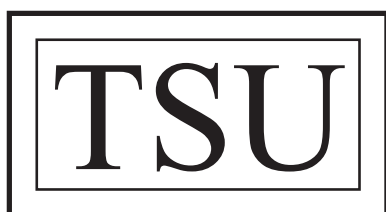




Undergraduate Catalog 2014 - 2016

TEXAS SOUTHERN UNIVERSITY



TEXAS SOUTHERN UNIVERSITY

3100 Cleburne Street
Houston, TX 77004
www.tsu.edu

PROVISIONS OF THIS CATALOG

The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and Texas Southern University. Texas Southern University reserves the right to withdraw courses at any time and to change fees, calendars, curricula, graduation procedures, or other requirements affecting students. Changes will become effective whenever the proper authorities at the University so determine and will apply to both prospective students and those currently enrolled. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although every effort is made to assure that information is accurate, Texas Southern University does not assume responsibility for any misrepresentation that might arise through error in the preparation of this or any other of its catalogs or through failure to give notice of changes in its requirements, policies, tuition and fees, course offerings and other matters affecting students or applicants. To be assured of accuracy of information, students must regularly consult current publications and academic advisors.

GUIDE TO COURSE OFFERINGS

PREFIX	ACADEMIC DISCIPLINE	PREFIX	ACADEMIC DISCIPLINE
ACCT	Accounting	HSCS	Human Servs & Consumer Sci
AFLN	African Language	HSEH	Health Science - Envrn. Hlth.
AFS	African Studies	HSHA	Health Science - Health Admin.
AFSC	Air Force Science	HSHI	Health Science and Health Info
AJ	Admin of Justice	HSRT	Health Science - Resp. Therp.
ART	Art	INS	Insurance
AVST	Aviation Science & Technology	ITEC	Industrial Technology
BADM	Business Administration	JOUR	Journalism
BIOL	Biology	KIN	Kinesiology
CFDV	Child & Family Development	MATH	Mathematics
CHEM	Chemistry	MFG	Manufacturing
CHNS	Chinese	MGMT	Management
CIVT	Civil Engineering Tech	MGSC	Management Science
CLSC	Clinical Laboratory Sciences	MIS	Management Information Systems
CM	Communication	MKTG	Marketing
CMET	Computer Engineering Tech	MSCI	Military Science
COE	Cooperative Education	MTMS	Maritime Trans Mgmt Security
CONS	Construction	MUSA	Applied Music
COUN	Counseling	MUSI	Music
CS	Computer Science	NAVA	Naval Sciences
CT	Clothing / Textiles	PA	Public Affairs
DRAM	Drama	PAD	Public Administration
DRFT	Drafting / Design Technology	PADM	Pharmacy Administration
ECON	Economics	PAS	Pharmacology Applied Science
EDAS	Education Admin. & Supervision	PE	Physical Education
EDCI	Education Curriculum & Instr.	PHAR	Pharmacy
EDFD	Education Foundations	PHCH	Pharmaceutical Chemistry
EDHI	Higher Educations	PHIL	Philosophy
ELET	Electronics Engr Technology	PHS	Pharmaceutical Sciences
EMGT	Emergency management	PHYS	Physics
ENG	English	POLS	Political Science
ENGT	Engineering Technology	PSY	Psychology
ENTR	Entrepreneurship	RDG	Reading Education
ERM	Entertainment Record Indus Mgmt	READ	Reading-No Degree-Development
FCS	Family Consumer Sciences	REC	Recreation
FIN	Finance	RTF	Radio/TV/Film
FN	Foods & Nutrition	SC	Speech Communication
FORS	Forensic Science	SOC	Sociology
FR	French	SOCW	Social Work
GEOG	Geography	SP	Speech
GEOL	Geology	SPAN	Spanish
HED	Health Education	SPED	Special Education
HIST	History	SPMT	Sports Management
HMSC	Homeland Security	THEA	Theatre
HSCR	Health Science - Core		

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SUMMARY OF UNDERGRADUATE DEGREES OFFERED

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
Jesse H. Jones School of Business	Accounting	Bachelor of Business Administration (B.B.A.) in Accounting
	Finance and Economics	Bachelor of Business Administration (B.B.A.) in Finance
	Business Administration	Bachelor of Business Administration (B.B.A.) in Management
		Bachelor of Business Administration (B.B.A.) in Management Information Systems
		Bachelor of Business Administration (B.B.A.) in Marketing
School of Communication	Communication	Bachelor of Arts (B.A.) in Entertainment and the Recording Industry Management
		Bachelor of Arts (B.A.) in Speech Communication
	Journalism	Bachelor of Arts (B.A.) in Journalism
	Radio, TV and Film	Bachelor of Arts (B.A.) in Radio, TV and Film
College of Education	Curriculum and Instruction	Bachelor of Science (B.S.) in Interdisciplinary Studies
	Health and Kinesiology	Bachelor of Science (B.S.) in Health Studies
		Bachelor of Science (B.S.) in Human Performance
		Bachelor of Science (B.S.) in Human Performance/Athletic Training
		Bachelor of Science (B.S.) in Sport Management
College of Liberal Arts and Behavioral Sciences	English	Bachelor of Arts (B.A.) in English
	Foreign Languages	Bachelor of Arts (B.A.) in Spanish
	History and Geography	Bachelor of Arts (B.A.) in General Studies
		Bachelor of Arts (B.A.) in History
	Human Services and Consumer Sciences	Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Dietetics
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Child and Family Development
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Family and Consumer Science
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Foods and Nutrition
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Human Development and Family Studies
	Music	Bachelor of Arts (B.A.) in Music
	Psychology	Bachelor of Arts (B.A.) in Psychology
	Social Work	Bachelor of Arts (B.A.) in Social Work
	Sociology	Bachelor of Arts (B.A.) in Sociology
	Visual and Performing Arts	Bachelor of Arts (B.A.) in Art
Bachelor of Arts (B.A.) in Theatre		
Barbara Jordan - Mickey Leland School of Public Affairs	Political Science	Bachelor of Arts (B.A.) in Political Science
		Bachelor of Science (B.S.) in Public Affairs
		Bachelor of Science (B.S.) in Emergency Management and Homeland Security
	Administration of Justice	Bachelor of Science (B.S.) in Administration of Justice
College of Pharmacy and Health Sciences	Pharmaceutical Sciences	Entry Level Doctor of Pharmacy (Pharm.D.)
	Pharmacy Practice	
	Health Sciences	Bachelor of Science (B.S.) in Environmental Health
		Bachelor of Science (B.S.) in Health Administration
		Bachelor of Science (B.S.) in Health Information Management
	Bachelor of Science (B.S.) in Clinical Laboratory Science	
	Bachelor of Science (B.S.) in Respiratory Therapy	

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED	
College of Science and Technology	Biology	Bachelor of Science (B.S.) in Biology	
	Chemistry	Bachelor of Science (B.S.) in Chemistry	
	Computer Science	Bachelor of Science (B.S.) in Computer Science	
	Engineering Technology		Bachelor of Science (B.S.) in Civil Engineering Technology
			Bachelor of Science (B.S.) in Computer Engineering Technology
			Bachelor of Science (B.S.) in Electronics Engineering Technology
	Industrial Technology		Bachelor of Science (B.S.) in Industrial Technology - Construction Technology
			Bachelor of Science (B.S.) in Industrial Technology - Design Technology
	Mathematics	Bachelor of Science (B.S.) in Mathematics	
	Transportation Studies		Bachelor of Science (B.S.) in Maritime Transportation Management and Security
		Bachelor of Science (B.S.) in Aviation Science Management	

NOTE: Many of the degrees offered have multiple tracks leading toward their completion. Consult contents of this bulletin related to the various departments and the respective degrees offered for detailed information on these tracks. Texas Southern University does not offer an undergraduate degree in nursing; however, students interested in pursuing this degree elsewhere may earn lower level credits needed for this degree at the University. The Department of Biology administers a pre-nursing program, and students choosing to pursue this course of study should consult that department's section of this bulletin for more information.

ABOUT THIS BULLETIN

The statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and Texas Southern University. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although the provisions of this bulletin will ordinarily be applied as stated, Texas Southern University reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. However, every effort will be made to keep students advised of any such changes. Information concerning changes in policies, procedures, and requirements will be available in the Office of the University Registrar and the offices of the various academic advisors, the academic departments, and the major schools and colleges. **It is especially important that each student note that it is his or her responsibility to be aware of current graduation requirements for a particular degree program.**

This undergraduate bulletin contains information on academic and non-academic policies, procedures, and requirements with which each student must become familiar. Students should consult the Table of Contents for guidance. Provisions in this bulletin will not be valid after August 2018.

ABOUT THE UNIVERSITY

MISSION

Texas Southern University is a student-centered comprehensive doctoral university committed to equality and offering innovative programs that are responsive to its urban setting and transform diverse students into lifelong learners, engaged citizens, and creative leaders in their local, national, and global communities.

In order to achieve this mission, Texas Southern University provides

- quality instruction in a culture of innovative teaching and learning;
- basic and applied research and scholarship that is responsive to community issues;
- opportunities for public service that benefit the community and the world.

VISION

Texas Southern University aspires to become a premier metropolitan university.

Core Values

- Urban Serving Institution
- Student Centered Institution
- Excellence
- Fairness
- Collegiality and Collaboration
- Innovation
- Inclusiveness
- Leadership and Responsibility

ORGANIZATION FOR INSTRUCTION

The University is organized for academic instruction as ten colleges and schools. The names of these instructional units appear below:

The Jesse H. Jones School of Business

The College of Education

The Thurgood Marshall School of Law

The School of Communication

The College of Liberal Arts and Behavioral Sciences

The Barbara Jordan - Mickey Leland School of Public Affairs

The College of Pharmacy and Health Sciences

The College of Science and Technology

The Graduate School

The Thomas F. Freeman Honors College

CAMPUSES

Texas Southern University is located in Houston, TX, the fourth largest city in the US and one of the fastest-growing and forward-moving cities in the world. Nestled upon a sprawling 150-acre campus, Texas Southern University is located in the heart of the city in Houston's historic Third Ward, giving its students and faculty easy access to the Museum District, neighboring educational institutions, the Texas Medical Center, City Hall, downtown Houston, and all of the city's major freeways.

The Northwest Campus of Texas Southern University opened in Fall 2010. Texas Southern University partners with Lone Star College System to offer higher level degree programs in Northwest Houston. Currently, Texas Southern University offers nine degree programs and two concentrations at the Northwest Campus.

The College of Pharmacy and Health Studies occupies approximately thirty thousand square feet of space at the John P. McGovern campus in the Texas Medical Center. Faculty, staff and students utilize this space for offices, classroom instruction and research. The location facilitates interactions and collaborations with other medical center institutions and organizations in the internationally recognized Texas Medical Center.

REGENTS AND ADMINISTRATION

BOARD OF REGENTS

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Dionicio Flores, Vice Chairman	El Paso
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Erik Salwen	Houston
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Faran Foy, Student Regent	Houston

OFFICER OF BOARD RELATIONS

Karen Griffin	Executive Director
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OFFICERS OF ADMINISTRATION

John M. Rudley	President
Sunny E. Ohia	Provost/Vice President for Academic Affairs and Vice President for Research
Andrew C. Hughey	General Counsel
William T. Saunders	Vice President for Student Services & Dean of Students
Wendy H. Adair	Vice President of University Advancement
Jim C. McShan	Vice President for Administration and Finance
Leonard Spearman	Jr Vice President of Governmental Affairs
Hasan Jamil	Associate Vice President of Enrollment Management / Special Assistant to the President
Charles F. McClelland	Director of Athletics
Janis J. Newman	Chief of Staff

OFFICERS OF ACADEMIC ADMINISTRATION

Elizabeth Brown-Guillory	Associate Provost/Associate Vice President for Academic and Faculty Affairs
Adebayo Oyekan	Associate Provost/Associate Vice President for Research
Ronald Johnson	Dean, Jesse H. Jones School of Business
James W. Ward	Dean, School of Communication
Lillian Poats	Dean, College of Education
Dannye Holley	Dean, Thurgood Marshall School of Law
Danille K. Taylor	Dean, College of Liberal Arts & Behavioral Sciences
Robert Bullard	Dean, Barbara Jordan–Mickey Leland School of Public Affairs
Edward Stemley	Dean, College of Pharmacy and Health Sciences
Lei Yu	Dean, College of Science and Technology
Gregory Maddox	Dean, Graduate School
Humphrey Regis	Dean, Thomas F. Freeman Honors College

POLICIES AND ACCREDITATION

NOTICE OF NONDISCRIMINATORY POLICIES

Texas Southern University is in compliance with Title VI of the Civil Rights Act of 1964 and does not discriminate on the basis of race, creed, color, or national origin. It is also in compliance with the provisions of Title IX of the Educational Amendments of 1972 which prohibit discrimination on the basis of sex. Further, the University is in compliance with the Americans with Disabilities Act (ADA) of 1990 and with Section 504 of the Rehabilitation Act of 1973 as amended.

It is the policy of the University that sexual harassment as defined in the EEOC Guidelines will not be tolerated among members of the Texas Southern University community. Any complaint of sexual harassment should be reported immediately to the appropriate person designated by the Provost/Vice President for Academic Affairs and Vice President for Research.

NOTICE OF NO WEAPONS POLICY

Under Texas Penal Code, Section 46.03, citizens may obtain licenses to carry concealed handguns. However, firearms, fireworks, and explosives of any kind are NOT PERMITTED on the Texas Southern University campus or other state-owned property, except in the possession of state law enforcement officers. Violators will be dismissed from the University and are subject to legal sanctions.

UNIVERSITY COMMITMENT AND STUDENT RESPONSIBILITIES

Student Responsibilities

Texas Southern University provides a student-centered learning environment in which students are afforded opportunities to practice self-discipline, to assume responsibilities as maturing adults, and to enjoy certain freedoms. When students elect to enroll at the University, they also accept and agree to abide by the rules, regulations, and policies by which the University is governed. Inasmuch as enrollment is voluntary, acceptance is voluntary. On this basis, students cannot, without great personal liability to their continued association with the University, obstruct, hamper, disrupt, or otherwise interfere with the institution's attainment of its lawful mission. The institution, therefore, has both the right and the obligation to promulgate rules and regulations designed to promote attainment of its purpose.

Mission

Texas Southern University is a student-centered comprehensive doctoral university committed to equality and offering innovative programs that are responsive to its urban setting and transform diverse students into lifelong learners, engaged citizens, and creative leaders in their local, national, and global communities.

In order to achieve this mission, Texas Southern University provides

- quality instruction in a culture of innovative teaching and learning;
- basic and applied research and scholarship that is responsive to community issues;
- opportunities for public service that benefit the community and the world.

Vision

Texas Southern University aspires to become a premier metropolitan university.

Core Values

- Urban Serving Institution
- Student Centered Institution
- Excellence
- Fairness
- Collegiality and Collaboration
- Innovation
- Inclusiveness
- Leadership and Responsibility

ACCREDITED PROGRAMS

Texas Southern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, and doctoral degrees. Contact the Commission on College at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas Southern University. The College of Education is accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the National Council for Accreditation of Teacher Education and is a member of the Association of Colleges for Teacher Education. The Thurgood Marshall School of Law is approved by the State Board of Law Examiners, is accredited by the American Bar Association, and holds membership in the American Association of Law Libraries.

The College of Pharmacy and Health Sciences is accredited by the American Council of Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

In the College of Liberal Arts and Behavioral Sciences, the Social Work Program is accredited by the Council of Social Work Education, and the Dietetics Program is accredited by the American Dietetic Association.

Four of the programs in the College of Science and Technology hold special certification and/or accreditation: the chemistry program is certified by the American Chemical Society; the electronics engineering technology program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET); and the industrial technology and airway science programs are accredited by the National Association of Industrial Technology (NAIT).

ADMISSION REQUIREMENTS, ENROLLMENT INFORMATION, AND ACADEMIC REGULATIONS

Undergraduate Admissions Requirements

Texas Southern University is an accredited higher education institution that provides equal educational opportunity. Entering freshman applicants must have earned a minimum cumulative 2.5 GPA on a 4.0 scale in high school. All entering freshman applicants must submit either ACT or SAT scores. All admitted students must meet the admission requirements outlined below, with a minimum combined SAT critical reading/math test scores of 820 or an ACT composite test score of 17 for unconditional admission to the University.

Candidates for undergraduate admission must identify the appropriate category below and follow the indicated steps:

- **(I) Freshman Admission - Citizens of the United States with diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never before enrolled for college credits must:**
 - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at www.applytexas.org.
 - B. Submit the required non-refundable \$42 application fee or approved fee waiver.
 - C. Submit an official transcript from an accredited high school that (1) includes the date of graduation, (2) the student's grade point average and class ranking, and (3) for Texas high school graduates, indication of successful completion of Texas Assessment of Knowledge and Skills (TAKS). Effective for fall 2015, the TAKS examination will be replaced by the State of Texas Assessments of Academic Readiness (STAAR) examination.
 - D. Submit either ACT or SAT scores.
 - E. Home-schooled students and students who have earned a GED will be individually reviewed for admission and must meet the minimum 17 ACT composite score or 820 SAT score (critical reading and math sections). Texas residents must also submit the Texas Private High School Certification completed by the certifying home-school official for admission.
 - F. Students seeking dual credit(s) must request an official transcript be sent to the Office of Undergraduate Admissions from the institution where the dual credit(s) was earned, in addition to the official high school transcript.
 - G. Students seeking credit based on Advanced Placement (AP) scores or International Baccalaureate (IB) scores must request from the testing agency an official score report be sent to the Office of Undergraduate Admissions prior to the start of enrollment of the requested enrollment semester.
 - H. All applicants who do not meet the University's admission requirement will be individually reviewed by the University Admissions Committee. Applicants considered for individual review may be required to submit additional documents (e.g., essays, personal statements) or attend an interview to gain admission to the University.
- **(II) Transfer Admission - Citizens of the United States who have attended another college or university prior to seeking admission to Texas Southern University must:**
 - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at www.applytexas.org.
 - B. Submit the required non-refundable \$42 application fee or approved fee waiver.
 - C. Submit an official transcript from each college or university previously attended. Transcripts should be sent from the issuing institution(s); however, they may be hand-carried and delivered in an envelope bearing the unbroken seal of the issuing institution(s).
 - D. Submit placement test scores or evidence of test exemption eligibility.
- **(III) Permanent Residents Freshman Admission – Permanent residents of the United States who have diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never previously enrolled for college credits must:**
 - A. Follow the same steps given above for citizens of the United States with diplomas from accredited high schools or GED equivalents.
 - B. In addition, students must provide proof of permanent resident status and complete *Documentation of Proof of Citizenship/Naturalization Form* from the Office of Undergraduate Admissions.
 - C. Submit all specifically needed documents to the Office of Undergraduate Admissions, Texas Southern University 3100 Cleburne Street, Houston, Texas 77004-9987.

- **(IV) Permanent Residents Transfer Admission - Permanent residents of the United States who wish to transfer from other accredited colleges and universities must:**
 - A. Follow the same steps given above for citizens of the United States.
 - B. In addition, student must provide proof of permanent resident status and complete *Documentation of Proof of Citizenship/Naturalization Form* from the Office of Undergraduate Admissions.
 - C. Evaluation of foreign transcripts. All foreign transcripts must be evaluated by one of the University's approved evaluation agencies and the evaluation be submitted to the Office of International Student Admissions.

- **(V) International Freshman Admission - Students who have diplomas from foreign high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never previously enrolled for college credits must:**
 - A. Complete application online and submit all required documentation along with the required \$78 non-refundable application fee.
 - B. Send proof of graduation from high school either in conjunction with the application or separately to the Office of International Student Admissions.
 - C. Provide a certificate of finance/affidavit of support either in conjunction with the application or sent separately to the Office of International Student Admissions.
 - D. Provide official proof of completion of the TOEFL examination, if applicable, to the Office of International Student Admissions. Applicants must have an earned a minimum TOEFL score of 61, IELTS score of 5.0, or other approved language proficiency exam to qualify for admission.
 - E. Submit ACT or SAT college entrance exam scores to the Office of International Student Admissions.
 - F. Request that the current or previously attended language program, if applicable, submit SEVIS information to the Office of International Student Admissions.

- **(VI) International Transfer Admission - Students who wish to transfer from other accredited colleges or universities must:**
 - A. Complete application online and submit all required documentation along with the required \$78 non-refundable application fee.
 - B. Request that official transcripts from all colleges and universities attended be sent directly to the Office of International Student Affairs. All foreign transcripts must be evaluated by one of the University's approved evaluation agencies and the evaluation be submitted to the Office of International Student Admissions.
 - C. Provide a certificate of finance/affidavit of support either in conjunction with the application or sent separately to the Office of International Student Admissions.
 - D. Provide official proof of completion of the TOEFL examination, if applicable, to the Office of International Student Admissions. Applicants must have an earned a minimum TOEFL score of 61, IELTS score of 5.0, or other approved language proficiency exam to qualify for admission.
 - E. Request that the current or previously attended college or university submit SEVIS information to the Office of International Student Admissions.

NOTE: The authenticity of transcripts is critical to the admissions process. It is the responsibility of all international students to have international transcripts translated by an approved accredited agency.

- **(VII) Post Baccalaureate Admission – Students who have earned a bachelor's degree from another college or university prior to seeking admission to Texas Southern University must:**
 - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at www.applytexas.org.
 - B. Submit the required non-refundable application fee or approved fee waiver.
 - C. Request an official transcript from each college or university previously attended. Transcripts should be sent from the issuing institution(s); however, they may be hand-carried and delivered in an envelope bearing the unbroken seal of the issuing institution(s). All foreign transcripts must be evaluated by one of the University's approved evaluation agencies and the evaluation be submitted to the Office of International Student Admissions.
 - D. International applicants must also request that the previous college or university submit SEVIS information and provide a certificate of finance/affidavit of support to the Office of International Student Admissions.

- **(VIII) Transient Admission - Students who wish to attend the University for a specific period of time without applying for regular admission must:**
 - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at www.em.tsu.edu.
 - B. Submit the required non-refundable application fee.
 - C. Request that an official transcript or letter of good standing from the college or university in attendance be sent to the Office of Undergraduate Admissions at the address above or by email at admissions@tsu.edu.
 - D. International applicants must also request that the current college or university submit SEVIS information to the Office of International Student Admissions.

- **(IX) Readmission of Former Students - Students who have not attended the University for more than one year and now wish to return must:**
 - A. Submit an application for readmission to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at www.tsu.edu/admissions.
 - B. Identify the category above that best fits your circumstances and complete the remaining listed steps.
 - C. Students on academic probation or suspension must request permission from their academic dean's office to gain readmission to the University.
 - D. International applicants must also request that the previous college or university submit SEVIS information and provide a certificate of finance/affidavit of support to the Office of International Student Admissions.

In admitting first-time freshmen, the University abides by the uniform admission policy as defined in accordance with Texas Education Code Chapter 51, Subchapter S. Students' high school grade point average, class ranking, and ACT/SAT test scores shall all factor into consideration for admission.

Students who are admitted by the University, but fail to enroll for a given semester, may request that their application be deferred and updated for a future semester. The application and associated fee will be honored for one (1) year from the original semester in which the application was made.

Effective October 1, 2013, all students under the age of 22 attending the university for the first time or returning to the university following a break in enrollment of at least one fall or spring semester, will be required to have the bacterial meningitis vaccination or an approved exemption prior to attending classes. To meet the immunization requirement, the student must provide proof of vaccination of bacterial meningitis during the five year period preceding and at least 10 days prior to the first day of classes. Students are also encouraged to consult with a physician about the need for the immunization against bacterial meningitis to prevent the disease.

ENROLLMENT INFORMATION

Advising

Academic advising is an integral and necessary part of the higher education process. Faculty advisors in the academic departments have the responsibility of advising those students who have met all admission requirements and have declared majors based on (1) the most current information available to them about departmental, college, and university requirements, and (2) students' interests, needs, and abilities. All students who have not declared majors are advised in the College of Liberal Arts & Behavioral Sciences on the third floor of the Public Affairs Building. Undecided students are those who are registered in Academic Foundation courses and have not decided on their majors. In general, students are not encouraged to declare majors until their individual TSI (Texas Success Initiative) or equivalent responsibility has been met. **Students who receive financial assistance are STRONGLY CAUTIONED that they must each have a declared major by the time that they have successfully completed 45 semester credit hours in order to remain eligible for this assistance.**

Specific responsibilities of advisors include

- Helping students to define and develop realistic goals.
- Matching students to available resources.
- Assisting students to plan programs of study consistent with their abilities.
- Helping students monitor their progress toward graduation.

Although academic advisors will assist students in every way possible, students are expected to accept full responsibility for their academic programs of study, including the satisfactory completion of all requirements.

Registration Policies and Procedures

All students must register prior to the first class day of each semester or term. Each student is assigned a faculty advisor, who assists in planning a program of study. Students are registered for and entitled to attend classes only when they have completed the prescribed procedures, including the payment of fees, which is a part of registration. **A student is not registered with the University, and therefore not entitled to University privileges, until fees are paid. All unpaid course selections will be purged from the database of student records after the twentieth class day during a regular semester and after the fourth class day during a summer term.**

Students planning to return to the campus after an absence of one year or after earning credits at another institution are required to notify the Admissions Office and have transcripts mailed from the schools attended.

Registration is not complete, and students with unpaid fees are not entitled to University privileges. Students are required to have sufficient funds to cover all required tuition, fees, and deposits.

Auditing

With the consent of both the chair of the administering department and the course instructor, a student may audit a course. Auditors shall be registered, shall receive no credit for audited courses, and shall pay the same fees as a student enrolled for credit.

Credit by Examination

A student may receive credit by examination for courses listed in this bulletin by showing proficiency gained in advanced high school courses, independent research, non-credit adult courses or professional development programs. Credit by examination shall not be given for a previously attempted or surpassed course, or for hours beyond published limits. The Pass (P) grade given is not calculated into the GPA. Students of any age currently or previously enrolled in Texas Southern University can demonstrate college-level achievement and receive credit for what they may have learned through advanced-high school courses, independent research, non-credit adult courses or professional development. To the extent that a student is successful in passing the prescribed examinations, he or she may use the maximum allowable credits received to shorten the length of time required to attain a degree. The student must submit the Credit by Examination form, such as the CLEP, to the academic department, the academic dean of the school or college involved, and the Provost for approval. Once approved for credit by examination, the student must pay applicable testing, administration, and per credit hour fees, earn a passing score on the national and/or departmental examination, and the approved application will be submitted to the Registrar's Office by the Office of the Provost.

Credit may be earned through the successful completion of one or more of the following examinations: College Entrance Examination Board (CEEB) specified achievement tests; CEEB Advanced Placement Examinations that are part of the Advanced Placement Examinations (AP); CEEB College Level Examination Program (CLEP); International Baccalaureate Examinations (IB); Modern Language Association Cooperative Foreign Language Examinations; departmental examinations prepared, administered and scored by Texas Southern University faculty members who teach the applicable course(s). In addition to any of the above, a department may require an essay and/or a laboratory and/or an oral examination. AP and IB examinations are normally taken while the student is in high school, preferably in the spring before expected college enrollment. Information on these examinations is available in high schools through the principals or the counselors. High school students may also take CLEP examinations. A listing of AP and IB credit-eligible scores is available at www.tsu.edu/creditbyexam.

Concurrent Enrollment

A student concurrently enrolled at Texas Southern University and another college or university may receive total credit for no more than the maximum allowable Texas Southern University load for any given semester or term. In each semester of concurrent enrollment, the student must verify with his or her advisor that the other institution's courses qualify for transfer, notify the Office of Financial Aid at both Texas Southern University and the other institution, and submit the signed agreement form to the Registrar's Office.

Discontinued Classes

The University reserves the right, when necessary, to discontinue classes or to otherwise alter the schedule. If a class is discontinued, students will be notified at the first scheduled class meeting, whenever possible, so that they may register for alternate courses. Students who are enrolled in a discontinued class must officially drop the course; students who wish to enroll in another section or another course must immediately and officially carry out the drop and add process.

Official Enrollment in Class

A student may not attend a class after the first week of classes unless he or she is properly registered for that course and section. Failure to follow proper registration procedures may jeopardize that student's good standing at the University and result in loss of funds and credit. Instructors' class rolls are prepared from the official enrollment records of the Registrar. A student whose name does not appear on the class rolls should contact the Registrar's Office to verify his or her proper registration.

TRANSFER CREDIT

Transfer of credit from another institution to Texas Southern University involves consideration of the institution's accreditation, the comparability of course work, and the applicability of that course work to a degree program at the University. The Office of Undergraduate Admissions is responsible for reviewing each course taken at another college or university and making an initial determination of transferability. Colleges and universities from which credits are to be transferred must have been granted membership or candidacy status in a regional accrediting association of the Association of Colleges and Schools, which does NOT include accrediting commissions for vocational or occupational training.

There are two transfer paths to consider. A student may transfer lower division (freshman and sophomore) level credits from a junior or community college.

The second transfer path allows a student from a four-year institution to transfer to TSU courses at the lower or upper division (freshman/sophomore or junior/senior) as designated by the sending institution's transcripts.

No limit is placed on the total amount of courses credit accepted in transfer from either junior- or senior level institutions; however students are required to complete the last thirty hours in residence at TSU. Additionally, academic deans in each college and school will determine which transfer credits will apply to the student's degree.

All academic courses, except developmental courses, whether passed, failed, or repeated, including those in which the student earned a grade below C, are used to compute the applicant's grade point average for admission purposes.

In order for the Office of Undergraduate Admissions to make a decision about the transferability of a course, the transfer student may need to provide materials such as school catalogs/bulletins, course descriptions, course outlines, class assignments, or textbooks to assure proper evaluation. The final determination of the applicability of credit transferred toward a degree sought at Texas Southern University is made by the chair of the student's major department and the dean of the school or college in which it is listed. The academic department of the student's major has the final authority for the transferability of courses to the University in adherence with university policy.

Courses accepted for transfer credit must be from a college or university accredited by one of the regional agencies for higher education and must be similar in character and content to courses offered at Texas Southern University.

Junior and community college courses may only transfer as lower-division (freshman or sophomore) credit. Undergraduate courses from senior colleges transfer at the same level, lower- or upper-division, as they were taken. Graduate-level coursework is not transferable as undergraduate credit.

In the transfer of core curriculum credits and field of study curricula credits from other public institutions of higher education in Texas to Texas Southern University, the University is subject to Texas Education Code Chapter 4, Subchapter B, Rule 4.27. These sections specifically address the resolution of transfer disputes for lower division courses between two public institutions of higher education in Texas and are quoted directly as follows:

- a. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower division courses:
 1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower-division courses as outlined in this section, accompanied by clear instructions outlining the procedure for appealing the decision to the Commissioner.
 2. A student who receives notice as specified in paragraph (1) of this subsection may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.

3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
 4. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution that denies the course credit for transfer shall notify the Commissioner of Higher Education of its denial and the reasons for the denial.
- b. The Commissioner or Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
 - c. Each institution of higher education shall publish in its course catalogs the procedures specified in subsections (a), (b), (d), and (e) of this section.
 - d. The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner's designee.

ACADEMIC FRESH START

Residents of the state of Texas are entitled to enroll at a state institution of higher education, including Texas Southern University, as new undergraduate students if the last college credits that they earned were earned ten (10) or more years ago. This provision is covered by the Texas Education Code Section 51.931. In electing to enroll under this provision, students will not receive any credit for courses taken ten (10) or more years ago prior to enrollment at Texas Southern University.

If a student earns a baccalaureate degree under this section and applies for admission to a graduate or professional program of study that is offered by a public institution of higher education in Texas, only the grade point average (GPA) that the student earned under this section is to be considered, along with any other criteria used for evaluating applicants for admission to these programs of study.

Students who qualify for an academic fresh start may petition the University for such through the use of the steps outlined below:

1. Submit an application for admission to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street; Houston, Texas 77004-9987, or electronically at www.applytexas.org. Students seeking readmission to the university can complete the application for readmission online at www.tsu.edu/admissions. The applicant must indicate their desire to apply for admission under the Academic Fresh Start policy on the application for admission (or readmission).
2. The Office of Undergraduate Admissions will determine whether or not the applicant is eligible for an academic fresh start.
3. The Office of Undergraduate Admissions will notify the applicant, in writing, of his or her status within a reasonable period of time.
4. The Director of Admissions has the final authority on determining whether an applicant meets the requirements for the Academic Fresh Start policy.

EARLY ADMISSION OF HIGH SCHOOL STUDENTS

Texas Southern University's early admission policy is designed to give high school students who demonstrate outstanding academic performance the opportunity to enroll in regular college courses for credit toward graduation while they are still enrolled in high school. The student retains high school status and has the option of enrolling either during the summer session following the junior year in high school or in the fall of the senior year. The student must take high school courses concurrently while enrolled as a part-time student at TSU.

Eligibility. All Early Admission applicants must satisfy the following requirements:

1. Successful completion of the 11th grade.
2. Evidence of a level of academic achievement that promises successful completion of college work. Applicants must have passed all portions of the Exit-Level Texas Assessment of Knowledge and Skills (TAKS) or State of Texas Assessments of Academic Readiness (STAAR) examinations.
3. Recommendation from a high school guidance counselor or principal.
4. Either (1) a minimum GPA of 3.10 on a 4.0 scale, along with a minimum SAT combined score of 1000 or ACT composite score of 20; OR (2) a minimum GPA of 3.50 on a 4.0 scale, along with a minimum SAT combined score of 900 or ACT composite score of 18.

Applications. All documents pertaining to early admission must be submitted to the Office of Undergraduate Admission and must include the following:

1. Completed application form
2. Non-refundable \$42 application fee or approved fee waiver.
3. Official high school transcript showing successful completion of the TAKS or STAAR examination. Exemptions do not qualify for early admission.
4. Official SAT-I, PSAT or ACT scores report (Test scores posted on a high school transcript are considered official)

Enrollment. A student who is admitted under the Early Admission Program:

1. May enroll in up to six (6) semester credit hours per eligible semester for up to two (2) years while being concurrently enrolled in high school
2. Must follow University rules and regulations
3. Will be classified as an Early Admit student

Financial Aid. Inasmuch as early admission students are considered to be in college and high school at the same time, federal regulations prohibit eligibility for any form of federal financial aid (grants or loans).

Change of Status. A high school student admitted under the early admission policy who remains in good standing through high school graduation will automatically have his or her status upgraded to “unconditional undergraduate admission.” However, the student must provide an official copy of the final high school transcript with evidence of date of graduation

ORIENTATION PROGRAM FOR NEW STUDENTS

All undergraduate students entering the University for the first time are required to take part in a series of mandatory orientation activities, which are conducted prior to the opening of their semester of residence. Orientation programs are planned for each of the two semesters on specific dates prior to registration.

TEXAS SUCCESS INITIATIVE (TSI)

The Texas Success Initiative was developed by the 78th State Legislature on September 1, 2003 to guarantee student success at institutions of higher education. The program involves two major components: (1) measuring students’ academic skills in reading, writing and mathematics and (2) advising the student into the appropriate developmental course for any academic skill that needs improvement. In accordance with the Initiative, all applicants must have successfully completed the following number of high school credits:

- 4 in English
- 3 in mathematics
- 2 in natural science
- 2 in social science
- 6 selected from a group consisting of foreign languages, computer science (or keyboarding), speech, journalism, and fine arts

Academic Advisement and Counseling Center The professional staff persons in this area have a significant impact on the first two years of entering students. They assist the students in planning class schedules by helping them select appropriate classes in keeping with their major areas of study. The advisors meet with their advisees at least twice per semester to monitor students’ academic progress as well as other issues of concern. The advisor makes referrals to all available services for students as needed. These counselors/advisors are quite essential to the success of students in matter of class attendance, course completion, and student retention.

Planning, Evaluation, Assessment, and Retention Within the Division of SAES is the Office of Planning, Evaluation, Assessment, and Retention. The primary purpose of this office is to study current and pertinent qualitative and quantitative retention-related data. These data-driven results subsequently serve as the foundation for ongoing evaluation, assessment, and plans to continue improving the student retention and graduation rates at TSU.

Academic Laboratories: The College of Liberal Arts and Behavioral Sciences (COLABS) and College of Science and Technology (COST) provides support to students by way of academic laboratories through the MATH 101, READ 101 and WRIT 101 classes.

ACADEMIC REGULATIONS

Course Scheduling Policy

The primary goal of the Academic Scheduling Process is to maximize the probability that all students receive their choice of courses required for graduation on a timely basis (within the prescribed number of semesters) by providing a conflict-free resource environment (staff, space, and courses) which minimizes operating and capital costs.

The length of the academic week and variations in time patterns used in constructing a schedule of classes play important roles in the effectiveness of the academic schedule. Time patterns are the configurations of days and hours to be used in setting up the schedule of classes. If a standard set of patterns is chosen, with compatible starting and ending times, schedules will fit together more easily. If patterns are dissimilar, more conflicts will occur within a given academic week. In addition, when courses are concentrated at one time, students have minimum course selectivity, no scheduling flexibility and will require maximum staff and space resources.

The probability of a student obtaining a conflict-free schedule can be greatly increased when the courses are distributed throughout the hours of the day and the days of the week. Thus, it is highly desirable to distribute course offerings evenly over an academic week, thus providing for the largest number of non-conflicting time patterns.

- General Policy Regarding the Academic Scheduling Process.
 - o The policy for class scheduling is established by the Office of the Provost and implemented by the Office of The University Registrar.
 - o General objectives in building the Schedule of Classes include providing workable schedules for students by departments, ensuring access to courses by students, and making efficient use of educational buildings.
- Scheduling Strategies:
 - o Departments must strictly adhere to the approved standard set of time patterns.
 - o All classes are to be scheduled to start at the hour or half-hour.
 - o Departments must schedule all multiple lecture and laboratory sections so that student course enrollments will be distributed approximately equally between mornings and afternoons and between the different meeting patterns (TR vs. MWF).
 - o Since the goal is to provide all students with the largest number of opportunities to register for as many courses as possible, departments should make efforts to schedule courses during non-peak hours. Peak hours are between 9:00 AM and 3:00 PM.
 - o Because the standard meeting lengths are in 50- and 75-minute time blocks, non-standard sections should be offered in multiples of these times to avoid end times that preclude students from registering for courses that may follow the non-standard section.
 - o Colleges will have the ability to schedule rooms they manage first. After this, the Registrar's office will utilize all available classrooms to assist other departments in need of space.

Required Class Meeting Length (note this table is based on contact hours not semester credit hours):

Contact time for courses	Meeting Sequences	Required Length of Each Class Meeting
For 4 hour classes	MTWR	50 min
For 4 hour classes	MW* or TR	1 hour 50 min
For 3 hour classes	MWF	50 min
For 3 hour classes	MW* or TR	1 hour 15 min
For 3 hour classes**	T or R	2 hours 50 min
For 2 hour classes	MW or MF or TR or WF	50 min
For 2 hour classes	T or R	1 hour 50 min
For 1 hour classes***	M or T or W or R or F	50 min

* *Courses may only be scheduled using these sequences after 3:00 pm.*

** *Laboratory courses only*

*** **Before 9 AM or after 3 PM or at Noon (12PM) if the courses 300-level or higher. This will lessen the impact on student's schedules and room utilization.**

- Graduate courses, taught during peak hours (9AM-3PM), are exempt from this policy provided they meet in a room with a capacity of 15 or less. Graduate courses taught at non-peak hours are exempt regardless of their room capacity.
- The scheduling policy is not in effect for summer terms.
- Courses with designated laboratory/demonstration time built into the course may treat the lecture and laboratory contact hours as separate or combined courses
- Deviations from Approved Patterns

- o Courses that receive prior approval from the Registrar may deviate from the scheduled time patterns reflected. Approval will be granted on a case-by-case basis and will be approved only if a compelling argument can be made as to why the approved patterns will not meet the needs of the department.

Approved in Fall 2011

Load Limit

The normal load is **15 to 18 semester credit hours**. A regular student may not carry more than **18 hours** of course work in any long term or semester without the approval of his or her dean and the head of the department in which the student is a major. The maximum load for any student in a regular semester is **21 hours**. Students who are working may be required by the dean to reduce their loads. A student enrolled in a **6-week summer term** may not normally carry more than **7 hours**. Under special conditions a student may, with permission of his or her dean, carry **8 hours in one 6-week term** provided he or she carries no more than **6 hours during the other term of that summer**. Under no circumstances may a student earn more than **14 semester hours from any source in the two terms of one summer**.

Full-Time and Part-Time Status

The full-time or part-time status of students is determined by the descriptors listed in the table below.

	Undergraduate Fall/Spring	Undergraduate 6-week Summer term
Full-time	12 or more credit hours	6
3/4 time	9-11	4-5
1/2 time	6-8	3
Less than 1/2 time	1-5	0-2
1/4 time	1-3	X

Classification

Undergraduate students' classification is determined as follows:

Classification	Freshman	Sophomore	Junior	Senior
Credit hours earned	0-29	30-59	60-89	90+

Class Attendance Regulations

All students are required to be present for all class meetings of any course in which they are enrolled. Students are responsible for learning about, becoming knowledgeable of, and complying with the attendance policy stated in the catalog and/or faculty syllabus. Faculty members will provide details on the rules for attendance in their classes in their course syllabi. Faculty members will keep students' attendance records.

Record keeping

A record of excused and unexcused absences will be maintained by faculty members. When requested by the student, teachers must inform the student who has been absent whether or not make-up work is allowed and whether or not absences jeopardize the student's standing in a class.

Nonattendance

Students who register for courses for a particular semester must attend their classes starting on the first day of class. Students who have not attended classes up to the 12th day of classes will be reported to the Registrar's office for nonattendance. A student who is reported for non-attendance will be dropped from those classes which he or she has not attended.

Students who have supporting documentation offering explanation for their absence(s) must present their documentation to the instructor who reported them for nonattendance. The instructor may evaluate their supporting documentation and hear their case. If the request for consideration is denied, the student will have to re-register for the course as early as the next semester the class is available. If the instructor approves the student for re-instatement, the instructor will submit a written request for the student's reinstatement to the dean of the school or college. If the dean approves the request for reinstatement, he or she will submit a written request to the Registrar's Office for the student's reinstatement.

Change of Major

A student in an undergraduate department of the University who can satisfy admission requirements of another undergraduate department within the same college or school may transfer to it with the approval of the department chairs concerned.

Transferring from One Branch to Another

A student in an undergraduate college or school of the University who can satisfy admission requirements of another undergraduate branch may transfer to it with the approval of the department chairs and deans concerned.

Changes in Class Schedule (Adds, Drops, and Withdrawals)

A student may make changes in class schedules with the approval of his faculty advisor and of the department in which the course is offered. **A service fee is charged for each change in program.**

Course changes must be made in person under the following conditions:

- a. **Adding courses.** In adding courses, the student must obtain the approval of his or her faculty advisor and the department in which the course is offered.
- b. **Dropping courses.** A student may, for good cause, drop a course with the approval of his or her faculty advisor and the department in which the course is offered under the following provisions:
 - During the first twelve days of any semester or the first four days of a summer term, a student may drop a course without having a grade recorded for the course.
 - After the twelfth or fourth class day, a student may drop a course without penalty prior to the published deadline. A grade of W will be recorded. State legislation enforces a limit of six (6) recorded drops, excluding withdrawals, over the college career of a student who enrolls in a Texas public institution of higher education as a first-time freshman beginning fall 2007 or later. Documentation of good cause must accompany any request for exception.
 - After the published deadline, a student will be permitted to drop a course only upon approval of the student's dean and only for urgent and substantiated, nonacademic reasons acceptable to the dean.

Drop Policy: Documentation for the Unofficial Withdrawal of Students

Academic Pursuit:

A student is encouraged to attend classes regularly and has the responsibility for performance of the work of the course, including the taking of examinations at the time they are administered to the entire class.

Definition of Grade/Academic Progress Rosters:

- The Twelfth Day Roster is the faculty report of students that are attending classes as of the state reporting date.
- The Mid-Term Roster is the faculty report of the student's academic progress up to the mid-point of the semester.
- The 60% Roster is the faculty report of students that have stopped attending classes by the 60% mark of the semester, which is usually the week after midterm or the 10th week of the fall/spring session. The Office of the Registrar generates the 60% Roster by asking faculty to submit the names of students who have stopped attending classes. This roster is then generated to withdraw students from classes, thereby helping them to avoid earning "Fs" solely for non-attendance.
- The Final Grade Roster is the faculty report of the student's academic progress for the term, inclusive of the final examination period.

Policy:

1. Students are considered as non-attending when they have been recorded as ceasing to participate in academic-related activities, such as outlined in the University Catalog. Students may be reported as non-attending on any grade/academic progress report roster. Students failing to meet the attendance standards as outlined in the University Catalog will be administratively withdrawn (AW) from the course based on the last known date the student successfully completed an academic activity as documented in the course of record. The process is completed as follows:

- The Office of the Registrar will distribute the rosters to the respective instructors of record for the term.
 - o The instructors will record the students' status with the appropriate code or grade for the time frame.
 - o On the twelfth day roster, the instructor will indicate a non-attending (NAT) status for the student.
 - o The instructors will enter the last date of attendance (LDA) only for students that cease to be enrolled on the mid-term, 60% and final grade roster.
 - o Additionally, the instructor must enter a last date of attendance for any student receiving an "F" or "U" on the final grade roster.

Procedures for Implementing Grade/Academic Roster Drops

1. The Office of the Registrar will provide the college or school of the respective course(s) the names of students reported with a last date of attendance after the submission of the twelfth, mid-term, 60% and final grade rosters.
2. The Office of the Registrar will simultaneously forward an email to the student informing him/her of any drops occurring prior to the final examination period, thereby notifying the student that he/she has been reported as non-attending. Students will be encouraged to contact their instructors within five (5) business days.
3. The associate/assistant dean of each college or school will verify the roster by working with the department chair and his/her faculty instructors on the students' attendance status. The department chair will communicate the findings to the associate/assistant dean. The associate/assistant dean will review the grade/academic progress rosters and make requests for reinstatements of students no later than five (5) business days after the generation of the list by the Office of the Registrar.
4. The Grade/Academic Progress rosters will be used as documentation for drops and withdrawals.
 - a. The final grade report will include a record of the last date of attendance for any student receiving an "F" or "U" for the term. Prior to exiting the term, the instructor of record will be required to enter the date on the student's record. The last date of attendance will serve as the record of the student earning the grade for the term. Students will receive an electronic grade report containing final grades via the TSU MyWeb account.

Determination of Reinstatements

1. Once a student has been withdrawn or reported as attending and earning zero credit hours, the student will have an opportunity to offer supporting documentation that explains his/her reason(s) for non-attendance. This documentation must be presented to the instructor who reported the student for nonattendance within seven (7) working days or before the last day to drop or withdraw from classes – whichever date comes earlier.
2. The instructor may evaluate the student's supporting documentation and hear the case. The decision to reinstate or uphold the withdrawal will be forwarded to the student in writing and to the associate/assistant dean, with a copy to the department chair. The associate/assistant dean will communicate with the Office of the Registrar.

Determination of "Unofficial Withdrawal"

1. A student who is withdrawn for non-attendance from all courses is essentially considered an "Unofficial Withdrawal" and may owe a payment to the financial aid programs based on the length of time the student remained actively enrolled in the course. For additional information on the withdrawal calculation for Title IV aid, students may visit <http://em.tsu.edu/catalog/withdrawal.php>.
2. The Office Student Accounting will perform the withdrawal calculation and any balance resulting from the return of funds will be due and immediately payable to the university. The Office of Student Accounting will forward written notification (email or paper) to the address on file for the student's record and action.

Withdrawal

To insure his or her possible future standing with the University, a student has the right to withdraw officially. A student wishing to withdraw from the University for the remainder of a session should apply to the dean of his or her school or college for permission. Having secured the dean's permission, the student may receive honorable dismissal through the Registrar's Office after he or she has returned all library books, surrendered his or her activity books, and cleared himself or herself with all offices at the University. A student failing to do these things will not be eligible for restitution of any fees.

The term "honorable dismissal" will not be given unless the student's standing as to conduct and character is such as to entitle him or her continuance in the University. The grade to be recommended for the student will be in keeping with the regulation for dropping courses.

Reinstatement

Students who are administratively withdrawn from their classes because of nonpayment of tuition and fees may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Registrar's Office

and must return the petition with evidence of suitable payment options. The Registrar's Office reviews all such petitions on a case-by-case basis. All approved petitions are subject to a late payment fee and a reinstatement fee.

Course Numbering

Lower division undergraduate courses are numbered from 100 to 299, whereas upper division undergraduate courses are numbered 300 to 499. Upper division courses that may be taken by graduate students for graduate credit upon prior approval of the student's advisor and Dean of the Graduate School are listed in the Graduate Bulletin. Courses numbered 500 and above, except in pharmacy, carry graduate credit and are open only to graduate students.

Unit of Credit and Grade Point Average

1. The unit of credit is the semester hour. A semester hour represents the equivalent of one recitation or lecture hour per week for one semester.
2. The following grades and quality points per semester hour were used in evaluating the work of students in courses at the University in the past:

Grade	Meaning	Prior to Fall 1977	Beginning Fall 1977
A+, A	Excellent	3.00	4.00
B	Good	2.00	3.00
C	Average	1.00	2.00
D	Poor but Passing	0	1.00
I	Incomplete	0	0
F	Failure	0	0
W	Withdrawal	0	0
S	Satisfactory		0
U	Unsatisfactory		0
N	No Grade Submitted		0
P	Pass		0

3. Beginning the Fall of 1991, the following grades and quality points were and are now used:

Grade	Meaning	Grade or Quality Points Per Credit Hour
A+, A	Excellent	4.00
A-	Intermediate Grade	3.67
B+	Intermediate Grade	3.33
B	Good	3.00
B-	Intermediate Grade	2.67
C+	Intermediate Grade	2.33
C	Satisfactory	2.00
C-	Intermediate Grade	1.67
D+	Intermediate Grade	1.33
D	Marginal	1.00
D-	Intermediate Grade	0.67
F	Failure	0
I	Incomplete	0
P	Passing	0
R	In Progress	0
S	Satisfactory	0
U	Unsatisfactory	0
W	Withdrawal	0
WT	Withdrawal, Test Requirement NOT Fulfilled	0

4. The grade "R," meaning "In Progress," is given only when the work in a course extends beyond the semester or term. It implies satisfactory performance. The grade "R" will not alter the quality point average of the student inasmuch as hours attempted, hours earned, and quality points earned will not be entered in cumulative totals.
5. The grade of "I" is given only when a student's work is satisfactory in quality, but because of reasons beyond his or her control, the work has not been completed. The missing work may be a major quiz, a final examination, a term paper, or other work. It

is not given in lieu of an F. The instructor will stipulate, in writing, at the time the grade is given the conditions under which the “I” may be removed. This temporary grade of “I” is non-punitive and semester hours for the course are not considered in the computation of the quality-point average. Removal must be within one calendar year after the “I” is assigned, or the “I” grade shall become an “F.” The grade “I” is not assigned if the student must retake the course. In the event a student who earns a grade of “I” decides to retake the course, the student is required to pay for that course a second time.

6. The grade of “W” is given for a course officially dropped by the student after the twelfth class day of a regular semester or the fourth class day of a summer term and before mid-semester or midterm.
7. **In cases where students repeat courses, the last grade earned must be used in the determination of the student’s official grade point average at all stages and in the determination of eligibility for graduation.**
8. **The terms “grade point average (GPA)” and “quality point average” are used interchangeably. In all cases, these averages are calculated by dividing the total quality points earned (see chart above) by the total semester credit hours attempted.**

Grade Notification

Final grades are electronically disclosed to students at the end of each term, no later than fourteen (14) days after all final examinations have been completed.

Academic Standing Policy

The minimum grade point average (GPA) required by the University for awarding the baccalaureate degree is 2.00 for all credit work taken by the student as part of an approved program of study. The grade point average is computed by dividing the total number of quality points earned by the total number of GPA hours (See “Grading System,” University Catalog), except for credit hours in courses for which the student received a “W” or “I.” For any repeated course, the grade earned only in the last attempt is used in the grade point average calculation.

The academic standing is determined at the end of each semester based on the institutional cumulative grade point average at the end of that semester as well as the grade point average earned during the semester.

Good Academic Standing: A student who maintains an institutional cumulative grade point average of 2.00 or higher is in good academic standing. A student may still be considered in good academic standing if he/she has an institutional cumulative grade point average less than 2.00 but meets the condition described below.

Academic Probation: Students who start any semester in good academic standing but fail to maintain an institutional cumulative GPA of 2.00 or higher at the end of the semester will be placed on Academic Probation for the following semester. Students on Probation may be removed from Academic Probation at the end of the semester if they earn a cumulative GPA of 2.00 or higher. Students who fail to bring their cumulative GPA to 2.00 or higher at the end of the semester will be placed on Suspension. However, a student on Academic Probation will be considered in good academic standing and will not be suspended at the end of any semester during which a semester GPA of 2.25 or higher has been earned. Students on Academic **Probation:**

- May not register for more than 15 semester credit hours
- MUST seek advisement in the office of their major department
- Complete an Academic Agreement with their academic advisor.

Suspension: Students on Academic Probation at the beginning of the semester are suspended if they fail to bring their cumulative GPA to 2.00 or higher by the end of the semester unless they earn a semester GPA of 2.25 or higher. Additionally, any student enrolled in nine or more credit hours and who earns an “F” in all classes will be suspended from the University.

- A. The first academic suspension is for a period of **at least one long semester** (fall or spring).
 - Students placed on academic suspension at the end of a fall semester are suspended for the following spring and are not eligible to re-enroll until the following summer.
 - Students placed on academic suspension at the end of a spring semester are suspended for the following fall and are not eligible to re-enroll until the following spring.
 - Students placed on academic suspension at the end of a summer session are suspended for the following fall and are not eligible to re-enroll until the following spring.
- B. Any suspension after the first one will be for a period of one year. At the end of the suspension period, students will need to apply for re-admission to the University provided they can show evidence of increased academic maturity as explained below.
- C. While being on suspension, the student must enroll in another institution of higher learning and show evidence of academic maturity at the end of the suspension period. Such evidence may be grades from courses taken at that institution. Military

service and associated courses/training may also be used as evidence of maturity. The following are evidence of academic maturity based on the suspension period:

- **Academic maturity evidence for one semester suspension:** Completion of 12 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.
- **Academic maturity evidence for one year suspension:** Completion of 24 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.

Academic Suspension and Appeal:

Faculty and staff are committed to helping students achieve their academic goals. Nevertheless, some students fail to maintain an adequate grade point average and are academically suspended. Students who believe that extenuating circumstances contributed to their suspension may appeal their case to the University's Committee on Suspension and Readmission. To appeal, students must explain those circumstances in a letter submitted to the committee immediately after receiving notification of suspension. (See also "Grade Appeal, Retention Standards, and Academic Probation" in the Undergraduate Catalog.)

Readmission from Academic Suspension:

- Only the dean of the college or school may readmit students on academic suspension from Texas Southern University.
- Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit the following to the dean of the college or school in which they wish to earn their degrees:
 - A written petition justifying their readiness to resume their studies at the University.
 - Transcripts showing at least a 2.50 grade point average on all college work completed elsewhere while on academic suspension from Texas Southern University.
 - Transcripts of all other completed college work.
 - Students seeking to change their majors from the college from which they were suspended to another college must submit a "change of major" request along with a petition for readmission from academic suspension to the college of the intended major.

Colleges or schools may have additional policies and procedures pertaining to readmission from academic suspension; therefore, students seeking readmission should consult the appropriate college section in this catalog or request information from the office of the academic dean for specific college requirements.

When re-admitted, the student will enter the University with probationary status. Another suspension at the end of the semester of re-admission may be avoided by achieving the minimum cumulative grade point average according to the above standards.

NOTE: Each college or school may adopt its own set of "Academic Progression Standards" to address the particular academic needs of its students. These standards, however, may be higher than the standards of the University, as set out above, but they may not be lower.

Semester Academic Honors

Academic honors are earned for performance **during each fall and spring semester of enrollment** in accord with requirements summarized below. **Academic honors are not bestowed during summer terms.** Distinctions earned as a result of academic performance become a part of students' permanent records.

Academic Distinction	Required GPA for Semester	Conditions for Designation of Academic Distinction
President's List	3.75 to 4.00	A minimum of 12 semester credits completed; a minimum cumulative GPA of 3.00 earned; no grades earned below "B"; and no grades of "I", "W", "P", or "S" earned
Deans' List	3.50 to 3.74	A minimum of 12 semester credits completed
Honor Roll	3.00 to 3.49	A minimum of 12 semester credits completed

Correspondence Courses

Texas Southern University offers no correspondence courses. A student in residence at this institution will be permitted to receive credit for correspondence courses from other institutions only when written permission to take the courses has been granted in advance by the dean of the school or college in which the student is enrolled. Each request made by a student of the University for credit in courses taken by correspondence will be considered on its own merits by the registrar and the dean involved. Credit earned

in a course completed by correspondence will be accepted only if the final examination is taken under the supervision of the Registrar of Texas Southern University.

Not more than twelve (12) semester hours of credit taken in correspondence work may be applied toward the requirements for an undergraduate degree. (No graduate credit will be given for work done by correspondence.) **Further, inasmuch as the last thirty (30) semester hours of credit for an undergraduate degree must be taken in residence, no credit earned by correspondence may be applied toward the requirements for an undergraduate degree after the student has earned ninety-four (94) semester hours of credit applicable toward the requirements for a degree. Any exceptions to this rule must be made by the appropriate undergraduate dean.**

Scholastic Dishonesty

Students must maintain a high standard of honesty in their academic work. They should avoid all forms of academic dishonesty, especially the following:

- **Plagiarism.** The appropriation of passages, either word for word (or in substance) from the writing of another and the incorporation of these as one's own written work offered for credit.
- **Collusion.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless such collaboration is specifically approved in advance by the instructor.
- **Cheating on an Examination or Quiz.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or testing situation is expressly forbidden. On examinations and quizzes students are expected (a) to remain in the examination room until the examination is finished, (b) to refrain from talking, and (c) to refrain from bringing notes and books into the examination room.
- **Impersonation.** Allowing another person to attend classes, take examinations or to do graded assignments for an enrolled student under his or her name is strictly forbidden.

A violator of any of the above offenses will incur severe disciplinary action ranging from suspension to expulsion from the University. Specific guidelines will be administered by each dean.

Academic Grievances

Purpose. The following procedures are designed to provide a means for undergraduate students to petition for review of final course grades alleged to be incorrect. Before filing a formal appeal, students are urged to resolve grievances informally with the instructor of the course. Students filing a written appeal shall be expected to abide by the final decision of the committee, as provided for in these procedures. This decision precludes any further review under any other procedure within the University.

Conditions. A student may seek a review of a final grade if he or she feels that one of the following conditions applies:

- A grade was assigned on some basis other than performance in the course, or
- the standards applied to a grade were not the same as those applied to other students in the course, or
- the assigned grade represents a substantial and unannounced departure from the instructor's previously stated standards.

Procedures. A student who feels that his or her grade is incorrect should

- 1. Confer promptly with the instructor of the course.** If the instructor is unavailable and cannot be reached by the student after a reasonable effort, then the student shall consult with the chair of the department offering the course. If the student and instructor or department chair are unable to arrive at a mutually agreeable solution, the student may file an appeal within twenty (20) days after the first day of class of the next semester (not including summers) with a standing committee of three (3) tenured faculty members of the department offering the course. If the instructor of the course is a member of the committee, he or she shall be replaced by a tenured faculty member selected by the chair of the department.
- 2. File an appeal by submitting to the departmental committee a detailed statement regarding the alleged improper grade, as well as any relevant evidence.** The appeal shall be dismissed if
 - a. the student has submitted the same or substantially the same complaint to any other grade review procedure,
 - b. the appeal **is not timely, or**
 - c. the student has not conferred with the instructor or department chair before filing the appeal.
- 3. Allow the departmental committee to take action.** If the appeal is not dismissed, the committee shall submit a copy of the student's written appeal to the instructor with a request for a prompt written reply.

4. **Work toward a mutually agreeable solution in concert with the committee and the instructor.** If a mutually agreeable solution is not achieved, the committee shall advise both the student and the instructor that the matter has been sent to the dean of the academic unit offering the course. The dean of the academic unit shall convene a committee of three (3) tenured faculty members from departments outside of the department offering the course. This committee shall hold an informal, non-adversarial fact-finding meeting concerning the dispute. Both the student and the instructor shall be entitled to be present throughout this meeting and to present any evidence deemed relevant, except the student shall not be present during the discussion of any other student. Neither the student nor the instructor shall be accompanied by counsel, an advocate, or a representative. The meeting shall be closed to the public. After the fact-finding meeting, if the majority of the committee finds that the evidence supports the student's complaint, the committee shall take any action thought to rectify the situation, including, but not limited to
- directing the instructor to re-grade the student's work,
 - directing the instructor to administer a new final examination or paper in the course,
 - directing the cancellation of the student's registration in the course, or
 - if no reasonable alternative is available, directing the instructor to award a grade of "pass" in the course.

The committee is not authorized to award a letter grade, or to reprimand, or otherwise take disciplinary action against the instructor. **The decision of the committee is final** and shall be promptly reported in writing to the parties involved. The dean of the academic unit has the responsibility for implementing the decision of the committee.

GENERAL EDUCATION CORE CURRICULUM

TSU General Education Core Curriculum

Fall 2014

The core curriculum is central to the intellectual mission of Texas Southern University. It is designed to equip students in each major field or concentration with a broad knowledge base and a set of college-level competencies to support lifelong learning and the attainment of their academic and career goals.

Texas Southern University's undergraduate degree programs comply with the mandates of the Texas Higher Education Coordinating Board, which requires all students to complete a General Education Core Curriculum. Texas Southern University requires students to complete 42 credit hours in the following foundational component areas:

- Communication
- Mathematics
- Life and physical sciences
- Language, philosophy, and culture
- Creative arts
- American history
- Government/political science
- Social and behavioral sciences

The goals of the core curriculum at Texas Southern University are to prepare students to examine their values; to become aware of the values, perspectives, and contributions of other individuals, groups and cultures; to integrate knowledge; and to understand the interrelations of the scholarly disciplines. Students will accomplish these goals through intensive reading and frequent writing, critical analysis, computational and hands-on experiences, active discussion and collaborative projects.

TSU Core Curriculum Objectives

The objectives of the core curriculum are to guide students to develop the following essential competencies:

- **Critical Thinking Skills**, which include creative thinking; innovation; inquiry; and analysis, evaluation and synthesis of information
- **Communication Skills**, which include effective development, interpretation and expression of ideas through written, oral and visual communication
- **Empirical and Quantitative Skills**, which include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- **Teamwork**, which includes the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

- **Personal Responsibility**, which includes the ability to connect choices, actions and consequences to ethical decision-making
- **Social Responsibility**, which includes intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

TSU CORE CURRICULUM COURSES (FALL 2014)

COMPONENT AREA	SCH REQUIRED	COURSES	TCCNS EQUIVALENT
Communication	6	ENG 131 (3) and ENG 132 (3)	ENGL 1301 and ENGL 1302
Mathematics	3	MATH 132, MATH 133, MATH 135, or MATH 136	MATH 1332, MATH 1314, MATH 1324, or MATH 2312 respectively
Life and Physical Sciences	6	One from the following two courses:	
		CHEM 131 (3)	CHEM 1311
		BIOL 143 (3)	BIOL 1308
		Plus one from the following courses:	
		CHEM 132 (3)	CHEM 1312
		BIOL 135 (3)	BIOL 2301
		GEOL 141 (3)	BEOL 1303
		PHYS 101 (3)	PHYS 1315
		PHYS 237 (3)	PHYS 1301
		PHYS 238 (3)	PHYS 1302
		PHYS 251 (3)	PHYS 2325
Language, Philosophy & Culture	3	One from the following courses:	
		ENG 230 (3)	ENG 2332
		ENG 231 (3)	ENGL 2333
		ENG 235 (3)	ENGL 2326
		ENG 244 (3)	ENGL 2326
Creative Arts	3	One from the following courses:	
		MUSI 131 (3)	MUSI 1301
		MUSI 136 (3)	MUSI 1306
		MUSI 239 (3)	HUMA 1315
		THEA 130 (3)	DRAM 1310
		ART 135 (3)	ARTS 1301
		ART 137 (3)	HUMA 2323
American History	6	HIST 231 (3) and HIST 232 (3)	HIST 1301 and HIST 1302
Government / Political Science	6	POLS 235 (3) and POLS 236 (3)	GOVT 2305 and GOVT 2306
Social and Behavioral Sciences	3	One from the following courses:	
		ECON 231 (3)	ECON 2301
		ECON 232 (3)	ECON 2302
		SOC 157 (3)	SOCI 1301
		SOC 158 (3)	SOCI 1306
		SOC 221 (3)	SOCI 2306
		SOC 238 (3)	ANTH 2346
		GEOG 132 (3)	GEOG 1303
		PSY 131 (3)	PSYC 2301

COMPONENT AREA	SCH REQUIRED	COURSES	TCCNS EQUIVALENT
Institutional Options	6	Two courses from two different categories:	
		African American Studies:	
		HIST 281 (3), or	HIST 2381
		ART 139 (3), or	HUMA 2319
		ENG 244 (3), or	ENGL 2326
		SOC 254 (3)	SOCI 2319
		Communication and Foreign Language:	
		<u>Speech Communication</u>	
		SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315
		<u>Foreign Language</u>	
		CHNS 131 (3), or	CHIN 1311
		FR 131 (3), or	FREN 1311
		SPAN 131 (3)	SPAN 1311
		Computer Science:	
		CS 116	(3), or COSC 1301
		MIS 204 (3) (School of Business), or	BCIS 1305
ART 233 (3) (Visual Arts Majors), or	ARTS 2313		
EDCI 210 (3) (School of Education)	COSC 1301		
Total	42		

- Communication Option: - Speech Communication SC 135 (3) or SC 136 (3) - Foreign Language: CHNS 131 (3) or higher, or FR 131 (3) or higher, or SPAN 131 (3) or higher	Two out of the following three categories:	
	SPCH 1321 or SPCh 1315	Speech Communication
CHIN 1311 FREN 1311 SPAN 1132		
- African American Studies: - HIST 281 (3) - ART 139 (3) or - ENG 244 (3) or - SOC 254 (3)	HIST 2381	
	ENGL 2376	

GRADUATION REQUIREMENTS

General Requirements for Undergraduate Degrees

It is the student's responsibility to plan his or her program with the assistance of a University advisor and to register for the proper courses so that all requirements will have been satisfied by the time for graduation.

All University advisors of undergraduate students are expected to review each advisee's registration respective to his or her curriculum of study. This review will ensure that courses are taken in proper sequence. All students who are to be classified as juniors must have successfully completed all traditional freshman and sophomore courses in their respective curricula, i.e., courses ordinarily in the 100 and 200 series that are normally taken by freshmen and sophomores.

General Policies and Procedures for Graduation

1. Degrees will be conferred only on dates that are publicly announced.
2. Application for graduation must be filed within the time period listed in the University calendar. The application form is secured through the office of the student's major department.
3. All candidates for degrees are expected to attend the convocation at which their degrees are to be conferred unless excused by their respective deans.
4. To receive an undergraduate degree, a candidate must complete a major and a minor or a composite major.
5. Reasonable and logical substitutions for required courses may be made within a department or area. Substitutions must be authorized by the student's academic advisor and the head of the student's major department and approved by the dean of the college or school in which he or she is enrolled. Students must submit a petition for substitution with their graduation application or as deficiencies are exposed at least two weeks before their intended graduation date.
6. **Not more than thirty (30) semester hours of course credit offered toward a degree may be earned through extension with no more than twelve (12) of these credits earned through correspondence courses (provided these 12 credits have been approved by the appropriate dean). Overall, at least twenty-five percent (25%) of the semester credit hours needed for degree conferral must be earned at the University.**
7. **A graduation fee is required, and students must purchase academic regalia for participation in the graduation convocation through the University Bookstore.**

Semester Hours and Quality Point Requirements for Graduation

1. A minimum of **120 credit hours** of college credit must be completed for an undergraduate degree.
2. A student must earn a quality point average or GPA of at least 2.00 for all college courses attempted.
3. A student must have grades of **"C" or better in all courses taken to fulfill the major requirements.**

Graduating Under a Given Bulletin

A student may expect to earn a degree in accordance with the requirements of the curriculum outlined in the bulletin in force when he or she first entered the University, provided the courses are being offered. He or she must complete these requirements within six years. In addition, he or she may graduate under any subsequent bulletin published while he or she is a student. If a student elects to meet the requirements of a bulletin other than the one in force at the time of his or her initial enrollment, he or she must meet all requirements of the bulletin he or she selects. The University reserves the right to impose changes in academic requirements upon any student in residence.

Residence Requirement

A candidate for graduation must earn, in residence, the last thirty (30) semester hours that are offered for the degree. Some instructional units have additional residency requirements. A transfer student from another institution must (1) spend at least two semesters in full-time residence work; (2) secure credit in residence for at least 12 semester hours of upper division courses in his or her major and six hours of upper division courses in his or her minor or 18 semester credit hours at the junior/senior level for a composite major.

Application for Intent to Graduate

Procedures for filing an application for intent to graduate:

1. The student must file an Intent to Graduate form with his/her major department the semester prior to his/her anticipated date of graduation.

2. During the semester prior to commencement selected by the student, the department will certify in writing to the academic dean and Office of the Registrar that the student has (a) completed all requirements, (b) that the student is enrolled in his/her last hours of work or will register for his/her last hours of work next semester and (c) that all requirements will be met prior to commencement.
3. Once the student's Intent to Graduate has been verified, the student will be encouraged to apply for graduation in the next semester. The academic department will issue the "Intent to Graduate" application form to the student.

Application for Graduation

A student expecting to graduate must file an application for graduation. The student should be within 30 hours of completion of the required hours for graduation and should file the application before the semester in which he or she intends to graduate. The filing deadline is printed each semester in the schedule of courses. Prior to applying for graduation, the student should review his or her academic records and his or her online degree audit, which matches completed coursework against listed degree requirements, with an academic advisor to verify he or she is eligible to apply for graduation. The student should then obtain an application with instructions for completion from his or her major department. Each applicant must submit a printed degree audit along with the completed application for graduation.

Students should keep their graduation filing fee receipts. These receipts must be presented at the time caps and gowns are purchased at the University Bookstore.

Financial Clearance

Students who are indebted to the University will not be allowed to participate in commencement exercises. Such obligations include traffic and parking fines, library fines, housing fees, and any miscellaneous fees. Students who are not sure about the status of their indebtedness should check with the Bursar's Office prior to final examinations. If there is a dispute concerning payment of a bill, receipts should be presented to verify payment.

Graduation Fees

Graduation fees are subject to change. They are due and payable at the time of one's application for graduation. These fees include cap and gown rental. Invitations are optional and may be ordered through the University Bookstore one month or more prior to commencement. Caps and gowns are also ordered through the University Bookstore.

	Doctoral	Law	Master's	Bachelor's	Pharmacy
Microfilm Service	\$40.00				
Binding Fee	\$28.00		\$12.50		
Postage & Handling	\$10.00				
Diploma Fee	\$16.50	\$16.50	\$15.00	\$11.50	\$29.75
Cap, Gown, Hood	\$95.00	\$16.50	\$27.50	\$11.50	\$29.75

Graduation with Honors

1. Special honors in three grades are awarded in recognition of superior scholarship in the work leading to the bachelor's degree. These honors are awarded at commencement and are shown on the diplomas of the recipients.
2. To be eligible for graduation honors, a student must have completed (exclusive of correspondence and extension work) at least 60 semester hours in the upper division of the University. The quality point average which shall be used for awarding graduation honors shall be the smaller of the following two quality point averages:
 - a. **The quality point average for all work taken in all colleges attended.**
 - b. **The quality point average for all work taken at Texas Southern University.**
3. The three grades of honors and the quality point averages for each are as follows:
 - a. **Summa Cum Laude** is awarded to the candidate for graduation whose quality point average is 3.75 or above.
 - b. **Magna Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.50 and 3.74 inclusive.
 - c. **Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.25 and 3.49 inclusive.

Commencement

Commencement exercises are held each year in May and December for students who qualify for graduation from Texas Southern University. All such students are expected to participate in one of these two exercises as appropriate. Juris Doctor and graduate students who are within six hours of completing their degree requirements and/or completion of required examination, and Doctor of Pharmacy students who are within two advanced pharmacy practice experiences (APPEs) and/or completion of required examination are eligible to participate in May commencement. Undergraduate students must be enrolled in the last hours (courses) required to earn the degree to participate during the May or December exercises. Undergraduate students completing all requirements in August of an academic year will participate in the December exercise.

Commencement is a solemn and special occasion in the lives of students, and they are expected to behave in a manner commensurate with the magnitude of the occasion. While attending commencement exercises, students and their guests are expected to maintain decorum that is reasonable and befitting of a public event of special significance. Because commencement exercises are formal events, graduates are expected to abide by the University's policy on appropriate attire that is announced in advance of the ceremonies, including no decorations on the mortarboard or bling on shoes, etc.

DUAL DEGREE AND DOUBLE MAJOR POLICY

Dual Degree Policy

Dual degrees can be applied for and earned by students interested in fulfilling requirements of two different majors in two different baccalaureate degree (e.g., B.A., B.S., B.B.A.) programs (e.g., a student fulfilling requirements for a B.S. in mathematics and a B.A. in psychology). Students should plan to graduate from the two degree programs simultaneously, and must identify one of the two majors as the primary major, the choice of primary major will determine the students' academic home of record and graduation-related activities. The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors in two different degree programs may earn two (2) separate degrees from the University.

Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees* for both fields and are encouraged to use the advising and student services provided by both majors. Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two Schools or Colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements (if required)	Other Requirements	Total Number of SCH
Primary Major	Required: 42 SCH	Minimum of 30 SCH as required by the primary major	As required by the department offering the minor**	As required by the primary major	Minimum of 120 SCH
Secondary Major	N/A	Minimum of 30 SCH as required by the secondary major	N/A	N/A	Minimum of 30 SCH

* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

** Courses required by the secondary major may be used to satisfy the minor requirements if the courses are also required by the minor.

Double Major Policy

Double majors can be applied for and earned by students interested in fulfilling requirements of two different majors (e.g., Journalism and Organizational Communication) that are either within the same discipline (e.g., communication) or of two different majors within the same baccalaureate degree (e.g., B.A., B.S., B.B.A.) program (e.g. a student fulfilling requirements for a B.S. in mathematics and a B.S. in elementary education). Students should plan to graduate from the two majors simultaneously and must identify one of the two majors as the primary major, the primary major will determine the students' academic home of record and graduation-related activities. The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors may earn one (1) degree from the University that lists both majors.

Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees for both fields and are encouraged to use the advising and student services provided by both majors. Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two schools or colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements	Total Number of SCH
Primary Major	Required: 42 SCH	Minimum of 30 SCH as required by the primary major	As required by the department offering the minor **	As required by the primary major	Minimum of 120 SCH
Secondary Major	N/A	Minimum of 30 SCH as required by the secondary major	N/A	N/A	Minimum of 30 SCH

* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

** Courses required by the secondary major may be used to satisfy the minor requirements if the courses are also required by the minor.

POST-BACCALAUREATE DEGREE POLICY

Post-Baccalaureate Degree Policy

A student who has received a bachelor's degree from Texas Southern University or another accredited college or university may enroll in a program leading to a second degree at the baccalaureate level provided (1) the field of study is different from the first degree earned and (2) the appropriate application for admission or re-admission is filed and approved. No honors are awarded for the second baccalaureate degree.

Students seeking a second baccalaureate degree after receiving the first degree must:

1. Be in residence for a minimum of two (2) semesters as a full-time student if the first or previous degree was not earned at Texas Southern University.
2. Complete no less than thirty (30) semester hours that satisfy the requirements for the field of study of the second degree. These hours should be beyond those applied to the first or previous degree and excluding transfer credits or substitutions and complying with requirements.
3. Achieve a cumulative minimum grade point average of 2.00 for all hours attempted for the degree.

Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements
N/A	All courses required by the major field of study.(No less than 30 semester hours)	N/A	N/A

GENERATION OF STUDENT TRANSCRIPTS

Students may request official transcripts at http://em.tsu.edu/registrar/req_a_transcript.php of coursework indicating each course attempted, each grade earned, and credit hours associated with each course. Each request requires a processing fee. Student Records (transcripts) will not be released under the following circumstances:

- The requesting student has not cleared all bills (academic or financial).
- The requesting student has a record hold imposed by the Office of Financial Aid, Student Accounting or the Office of General Counsel.

In the event that a student experiences a legal change of name, he or she should submit a completed Name Change Request Form and official documentation of the change. The Registrar's Office will record a copy of the required documentation, which may include, but is not limited to marriage license, divorce decree, court document, passport, and naturalization certificate.

RIGHT TO PRIVACY

Notification of Rights under the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student’s education records within 45 days after the day Texas Southern University (“University”) receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA.
A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.
If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to provide written consent before the University discloses personally identifiable information (PII) from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.
The University discloses education records without a student’s prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A University official is a person employed by Texas Southern University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of regents; or a student serving on an official committee, such as a disciplinary or grievance committee. A University official also may include a volunteer or contractor outside of Texas Southern University who performs an institutional service or function for which the University would otherwise use its own employees and who is under the direct control of the University with respect to the use and maintenance of personal identifiable information (PII) from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another University official in performing his or her tasks. A University official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Texas Southern University.
Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Texas Southern University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

**Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202**

At its discretion, Texas Southern University may provide “directory information” to the general public without the student’s consent. “Directory information” is defined by the Family Educational Rights and Privacy Act (FERPA) and the University as follows: name, address, telephone number, major and minor fields of study, e-mail address, date and place of birth, degrees/awards received, dates of attendance, participation in officially recognized sports and activities, most recent previous educational institution attended, height/weight (athletes only), enrollment status, certificates, type of award received, grade level, and photograph.

If a student does not want “directory information” regarding him or her to be released, the student must notify the Office of the Registrar, E. O. Bell Hall, 3100 Cleburne Avenue, Houston, TX 77004, in writing or by completing the Request to Withhold Public Information form, during the first twelve (12) days of class during a regular semester (fall or spring) or the first four (4) days of class during a summer term, to ensure that information is not released by the university or published in the Student Directory. Students are responsible for requesting the release of their information once a request for withholding “directory information” has been placed on record.

FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:

- To other University officials, including teachers, within Texas Southern University whom the University has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the University, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the University has designated as "directory information" under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the University determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))
- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

FEES AND EXPENSES

Resident Status

Students enrolled at the University can be classified as resident, nonresident, or foreign. All students attending Texas Southern University who are nonresidents of this state will be charged additional tuition in accordance with state law. The burden of registering under proper resident status is the responsibility of the student. Nonresidents are persons who are residing in the State of Texas fewer than twelve (12) months immediately preceding their initial registration.

A request for a change of resident status for tuition purposes should be made as soon as the student has met the requirements for residency change, but no later than the 4th class day for a summer session or the 12th class day for a fall or spring semester. Changes made after the 4th/12th class day will apply only for future semesters. All required documents must accompany the Residency Application form, which is available in the Office of the Registrar on the second floor of Bell Hall.

The determination of resident classification for tuition purposes is governed by statutes enacted by the Texas Legislature and by rules and regulations promulgated by the Texas Higher Education Coordinating Board. These regulations may be reviewed in the Robert J. Terry University Library in the Reserved Area.

Required Residency Documentation

The Texas Higher Education Coordinating Board requires that Texas Southern University document each student's residency. In order to apply for Texas residency status for tuition purposes, one must be either a U.S. citizen or permanent resident. The following documents indicating that the student has resided in the State of Texas for 12 continuous months prior to registration may be **REQUIRED**:

Documentation To Support Domicile And Residency

The following documentation may be requested by the institution in order to resolve issues raised by responses to the Core Residency Questions. The listed documents may be used to establish that the person is domiciled in Texas and has maintained a residence in Texas continuously for 12 months prior to the census date.

PART A: Documentation That Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months

1. An employer's statement of dates of employment (beginning and current or ending dates) that encompass at least 12 months. Other documents that show the person has been engaged in activities intended to provide an income to a person or allow a person to avoid the expense of paying another person to perform the tasks (as in child care or the maintenance of a home) may also be used, as well as documents that show the person is self-employed or employed as a homemaker, or is living off his/her earnings or through public assistance. Student employment such as work-study and the receipt of stipends, fellowships or research or teaching assistantships does not qualify as a basis for establishing a domicile.
2. For a homeless person, written statements from the office of one or more social service agencies located in Texas that attest to the provision of services to the homeless person for the 12 months prior to the census date of the term in which the person enrolls.

PART B: Documentation Which (if accomplished and maintained for the 12 months prior to the census date of the term in which the person enrolls and if accompanied by at least ONE type of document listed in Part C) Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months

1. Title to real property in Texas
2. Marriage certificate with documentation to support that spouse is a domiciliary of Texas
3. Ownership of business in Texas with documents that evidence the organization or the business as a partnership or corporation and reflect the ownership interest of the person or dependent's parent
4. State or local licenses to conduct a business or practice a profession in this state.

PART C: Documents That May Be Used to Demonstrate Maintenance of a Residence for 12 Months

These documents do not show the establishment of a domicile. They only support a person's claim to have resided in the state for at least 12 months. Activities in Part A and B of this Chart may be used to establish a domicile.

1. Utility bills for the 12 months preceding the census date
2. A Texas high school transcript for a full senior year of attendance preceding the census date
3. A transcript from a Texas institution showing presence in the state for the 12 months preceding the census date
4. A Texas driver's license or Texas ID card with an expiration date of not more than four years
5. Cancelled checks that reflect a Texas residence for the 12 months preceding the census date
6. A current credit report that documents the length and place of residence of the person or the dependent's parent
7. Texas voter registration card that has not expired
8. Pay stubs for the 12 months preceding the census date
9. Bank statements reflecting a Texas address for the 12 months preceding the census date
10. Ownership of real property with copies of utility bills for the 12 months preceding the census date
11. Registration or verification from licensor, showing Texas address for licensee
12. Written statements from the office of one or more social service agencies, attesting to the provision of services for at least the 12 months preceding the census date
13. Lease or rental of real property, other than campus housing, in the name of the person or the dependent's parent for the 12 months preceding the census date

Photocopies of the above items are required with the completed application. Students who do not provide required documentation will be charged nonresident tuition.

If there is a question of a student's legal resident status under state law and University rules, it is the duty of the student to obtain an opinion from the Student Resident Status Advisor prior to registration. **Any attempt on the part of the nonresident to evade the nonresident fee will be taken seriously and may lead to expulsion.** Nonresident students are given official notice of their nonresident classification at the time of admission. A student who is classified as a nonresident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of nonresident status will receive a penalty of loss of credit.

Tuition and Fees

The University reserves the right to adjust fees without prior notice. A list of tuition and regular fees to be paid by all students enrolled for any semester hours is available through the Office of the University Comptroller. In addition to these fees, one should add estimates of special laboratory fees and the cost of books and supplies to arrive at an approximate total amount needed at the time of registration.

All payments to the University should be made by cash, online payment, by credit card, or by cashier's check, money order, or personal check made payable to Texas Southern University. Personal checks will not be accepted for any amount in excess of the total amount due. Postdated checks will not be accepted. There will be a \$25.00 charge for each check returned for any reason. **Temporary checks are unacceptable.**

Tuition. In all colleges and schools of the University except the Thurgood Marshall School of Law, each student who is a resident of the State of Texas is required to pay tuition at a rate of not less than \$100.00 per semester or \$50.00 for each six-week term. A nonresident or foreign student is required to pay tuition per semester hour. Information on specific rates may be secured from the Office of the University Comptroller. This fee is refundable.

Designated Tuition. The Building Use Fee, of a prorated amount per semester hour, is charged to all students. This fee is used to construct, equip, repair, and renovate buildings and facilities. This fee is refundable.

Student Service Fee. The Student Service Fee is used to support certain extracurricular activities, such as student publications, special cultural programs, the marching band, and the athletic programs. This fee also provides for general health counseling, minor medication, and treatment in the Student Health Center. **It does not include special medicines, dental care, treatment by specialists, or hospitalization.** The amount of the fee depends on the number of credit hours for which the student is enrolled, and it is charged to all students enrolled at the University during a regular semester.

Students enrolled for 12 or more credit hours in each of both semesters of a school year are entitled to receive one copy of the University annual. Students enrolled full-time for only one semester may also receive the annual by paying an additional fee. **This fee is nonrefundable.**

Student Center Fee. The Student Center Fee is used for operating, maintaining, improving, and equipping the Student Center and acquiring or constructing additions to the Student Center. **This fee is nonrefundable.**

Library Service Fee. The Library Service Fee is used for operating, maintaining, improving, and equipping the Robert J. Terry Library and for providing library services to students. **This fee is nonrefundable.**

International Education Fee. The International Education Fee is used to assist students participating in international student exchange or study programs in accordance with guidelines jointly developed by the student governing body and University administration. **This fee is nonrefundable.**

Recreational Facility Fee. The Recreational Facility Fee is used for constructing, operating, maintaining and equipping the recreational facilities and programs. **This fee is refundable.**

Intercollegiate Athletics Fee. The Intercollegiate Athletics Fee is imposed by the Board of Regents of Texas Southern University on each student enrolled at Texas Southern University. This fee is used to develop and maintain an intercollegiate athletics program at the University. **This fee is nonrefundable.**

Medical Service Fee. The Medical Service Fee is used for operating, maintaining, improving, and equipping the medical service facility; acquiring and constructing additions to the medical service facility and providing medical services to students. **This fee is refundable.**

Computer Service Fee. The Computer Service Fee is assessed per semester to all students enrolled at the University to help support the provision of computer services to students. **This fee is nonrefundable.**

School Fee. The School Fee is assessed by each college or school to all students enrolled in its component major programs in order to support administrative costs. **This fee is nonrefundable.**

Late Registration Fee. Texas Southern University reserves the right to conduct registration according to students' last name, major area, or any other delimiting factor. Students are required to register at the time indicated by the class schedule. Failure to complete registration on the date specified, but before the absolute deadline, may result in a late fee assessment. **This fee is nonrefundable.**

Drop/Add Fee. A student making a course change or changes after payment of initial tuition and fees may be charged for each change. **This fee is nonrefundable.**

Installment Handling Fees. Tuition and fees during the fall and spring semesters may be paid by one of two options:

1. Full payment of tuition and fees by the twentieth day of class or
2. One-half payment of tuition and fees by the twentieth day of class, one-fourth by the start of the sixth week, and one-fourth by the start of the eleventh week.

Students electing to pay their tuition and fees on the installment plan will be assessed a handling fee for the three-payment plan. Students are also assessed a fee for each delinquent payment. **These fees are nonrefundable.**

A student who fails to make full payment or a first installment payment of tuition and fees, including any incidental fees, by the due date may be barred from classes until full payment is made. A student who fails to make full payment prior to the end of the semester may not receive credit for the work done that semester. University records may be adjusted to reflect the student's failure to enroll properly for that semester.

Late Payment Fee. A student who fails to pay tuition and fees by the posted deadline will be assessed a late payment fee. This fee is nonrefundable.

Laboratory Fee. Fees are assessed for studio and laboratory courses in the following academic disciplines: art, biology, chemistry, education, geology, human services and consumer sciences, music, pharmacy, human performance, physics, and technology. **This fee is nonrefundable.**

SEVIS International Fee. International students are required to pay an administration fee for University compliance with the federal student exchange system. **This fee is nonrefundable.**

Orientation Fee. First-time students are required to pay a fee for the orientation program and related activities. **This fee is nonrefundable.**

Health Insurance. The University provides minimal health care for students. All residence hall occupants are required to be covered by hospitalization insurance. For students without such coverage, a student hospital, medical, and surgical insurance policy is available through the Student Health Center.

Room and Board. Residence hall occupants will be required to sign a Housing-Food Service Contract for the entire academic year before being admitted to the facilities. The Housing-Food Services Contract is personal and may not be transferred or assigned to another person. Any violator will be subject to immediate disciplinary action. Room and Board charges are assessed on an annual basis.

Parking Fee. Students who need to park vehicles in designated student lots on the campus must pay for parking decals to attach to their vehicles. These decals will indicate the parking lot. This fee is assessed on a semester or term basis. Refunds for parking fees must be applied for separately through the Department of Public Safety.

Other Fee(s). Other fees, not specified in this section, may be charged by colleges, schools, departments, or other offices at the University. Students will be apprised of these fees and their designated purposes at the time that they are incurred.

REGULATIONS GOVERNING REFUNDS

Dropped Courses

Any student who drops courses within the first twelve (12) days of a fall or spring semester or within the first four (4) days of a summer term and remains enrolled in the University will receive refunds applicable to tuition paid for those courses.

Withdrawals

Refunds for courses enrolled in during a fall or spring semester by a student who officially withdraws from the University are calculated according to the following percentage schedule:

Refunds for courses enrolled in during a summer term by a student who officially withdraws from the University are calculated according to the following percentage schedule:

Refunds are granted for those fees designated as “refundable.” The refundable fees assessed at registration are tuition and designated tuition. These fees are calculated based upon the number of semester credit hours for which a student registers. Refunds of refundable fees are calculated based upon the total amount of these fees assessed at registration and not on the basis of the amount of the total that has been paid if a student is paying on an installment basis.

Students who are not indebted to the University should expect to receive checks by mail after the fourth week of class during a regular semester and after the third week of class during a summer term. Students who pay fees through financial aid/assistance (including Guaranteed Student Loans) will receive refunds only if the Office of Student Financial Assistance determines that refunds are due.

Students who register for courses that are either paid for directly or paid through the use of financial aid/assistance are considered enrolled at the University until they officially withdraw through the Office of the University Registrar. **Ceasing to attend classes or stopping payment of checks for fees owed without officially withdrawing from the University will result in semester grades of “F”. Thus, any remaining balance owed to the University by a student who ceases to attend classes, but who does not officially withdraw through the Office of the University Registrar, is still due and NOT subject to reduction.**

Refund of Room and Board Fees

Dormitory residents are required to sign a HousingFood Service Contract for the entire academic year. The University’s policy concerning refunds associated with room and board fees is stated in the contract. Where refunds are applicable, application for such refunds must be made within one year after official withdrawal.

Refund of Graduation Fees

Graduation fees cannot be transferred to another graduation period. Applications for refunds of the May diploma fee must be made in writing at the Bursar’s Office prior to March 1. No other refunds shall be granted. Summer graduates have no refund grace period inasmuch as orders are placed immediately upon receipt of their applications for graduation.

Financial Obligations

Persons who are indebted to the University in any amount may not be permitted to graduate, receive transcripts, reenroll at the University, or receive any refunds.

TUITION REBATE PROGRAM FOR UNDERGRADUATES

In accord with Section 54.0065 of the Texas Education Code, as authorized by Texas Senate Bill 1907, Texas Southern University provides tuition rebates of \$1000.00 each to undergraduates who complete baccalaureate degrees with no more than three semester credit hours attempted in excess of the minimum required for the major specified in the university bulletin under which they graduated. Specifically, a student qualifying for this rebate must meet the following conditions as set forth in the Texas Education Code:

1. The student took his or her first college course in Fall 1997 or later,
2. The student was a Texas resident at all times while pursuing his or her degree,
3. The student was entitled to pay resident tuition at all times while pursuing his or her degree,
4. The student not yet graduated, and
5. The student has not attempted more than three semester credit hours in excess of the minimum number of hours required for his or her degree. Hours attempted include for-cred developmental courses, repeated courses, courses dropped after the official census date, transfer credits, course credit by examination, and internship and cooperative education courses. Course dropped for reasons that the University determines to be totally beyond the student's control shall not count toward these attempted hours.

Students meeting the criteria referenced above who wish to take advantage of this program must complete a rebate application form and submit it to the Registrar's Office prior to graduation from Texas Southern University.

TYPES OF FINANCIAL AID AND ASSISTANCE

Pell Grant Program (Basic Educational Opportunity Grant)

The Pell Grant is a Federal Aid Program designed to assist students in pursuing their first undergraduate degree. Students should apply for a Pell Grant by completing and submitting the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA), preferably through online submission at www.fafsa.ed.gov. The student will receive an electronic e-mail response with instructions for viewing the FAFSA. He should immediately access the application, review it, and then correct any errors with the U.S. Department of Education. Pell Grant award amounts are calculated once all student data is complete and verified.

Awards depend on the expected family contribution, the amount of semester hours the student is enrolled in, the expected family contribution, and the number of semesters for which the student enrolls. **Students who already have a baccalaureate degree from any country are not eligible. International students seeking their first undergraduate degrees are not eligible, nor are early-admit high school students.**

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) is a federal grant for students that have not received a baccalaureate degree and who are eligible to receive a Federal Pell Grant and demonstrate financial need. Students must be enrolled at least half time to be considered.

Texas Public Education Grant (TPEG)

The Texas Public Education Grant is a state grant for resident and nonresident students with established financial need according to federal guidelines. Students must be enrolled at least half time to be considered.

Texas Grant

The Texas Grant requires the receipt of an official high school transcript indicating that the student graduated in the recommended or distinguished curriculum. The student must (1) be a Texas resident, (2) have an expected family contribution under \$4000, (3) register in a minimum of 12 hours per semester, and (4) not have graduated from high school prior to 1989. Continuing students must meet the state mandated satisfactory academic progress requirements. Complete grant information may be obtained at www.collegefortexas.org.

TEACH Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. In exchange for receiving a TEACH Grant, students must agree to serve as a full-time teacher in a high-need field in a public or private elementary or secondary school that serves low-income students. Recipients of a TEACH Grant must teach for at least four academic years within eight calendar years of completing the subsidized program of study. Complete grant information and program requirements are published on the Federal Student Aid Web site at <http://teachgrant.ed.gov>.

To receive the TEACH Grant, a student must meet the following criteria:

- Complete the Free Application for Federal Student Aid (FAFSA). Demonstrated financial need is not needed.
- Be a U.S. citizen or eligible noncitizen.
- Be enrolled as an undergraduate, post-baccalaureate, or graduate student in a postsecondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in coursework that is necessary to begin a career in teaching or plan to complete such coursework. Such coursework may include subject area courses (e.g., math courses for a student who intends to be a mathematics teacher).
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25).
- Sign a TEACH Grant Agreement to Serve.

As other grant programs become available at the University, students should directly contact the Office of Student Financial Assistance for pertinent information.

Federal Work-Study Program

Financial aid applicants may be eligible for assistance under the Federal Work-Study Program. These funds, however, are not available to international students or to high school students who have gained early admission to the University. Students may work an average of 20 hours each week. Students must attend a mandatory orientation prior to placement by the program coordinator and starting work. Students may contact the Support and Academic units within the University to determine availability of employment opportunities. Generally, a student may explore opportunities that meet the student's academic interest, skills, and work preference. Students are paid at a rate above the national minimum wage as approved by the University at the time that eligibility is established.

Loans

The loan programs described below are not available to international students or to high school students who have gained early admission to the University.

Federal Direct Loans are low-interest loans for students and parents to help pay for the cost of a student's education after high school. The lender is the U.S. Department of Education, though the entity dealt with, your loan servicer, can be a private business. With Direct Loans, the student borrows directly from the federal government and has a single contact, his or her loan servicer, for everything related to repayment, even if one receives Direct Loans at different schools. Federal Unsubsidized and Plus loans are available to students that may not qualify for more restrictive aid programs based solely on need. Federal Unsubsidized and Plus loans can be used to replace the expected family contribution. The loans may be awarded up to the total cost of attendance minus any other aid programs. Federal Direct Plus Loans are available to parent and graduate borrowers who do not have an adverse credit history.

Scholarships

The Scholarship Application is available at <http://em.tsu.edu/financialaid/scholarships/index.php> or by contacting the Scholarship Office, located on the second floor of the Recreation Center. The application should be completed and returned to the Scholarship Office with all supporting information a prior to April 15th for priority consideration. Once the application is received, the applicant is considered for all available scholarships by the Scholarship Committee, which operates in conjunction with the Office of Student Financial Assistance. The deadline for receipt of scholarship applications is determined annually by the Scholarship Office.

Prospective students may wish to address certain offices or departments for scholarship assistance.

Outstanding high school students who have been newly admitted to the University are encouraged to apply for scholarships through the Thomas Freeman Honors Program, as referenced earlier, at the time of their admission. Further information may be obtained by calling (713)-313-7458.

Students who are admitted to the University and who wish to participate in competitive sports may qualify for athletic scholarships. Detailed information on these scholarships (along with designated qualifications) may be obtained by calling (713)-313-7671.

The United States Army through its Army Reserve Officers' Training Corps (ROTC) Scholarship Program provides financial assistance for the undergraduate education of highly qualified and motivated young men and women who ultimately want to pursue careers as commissioned officers in the United States Army after graduation. Detailed information on this program may be obtained by calling (713)-743-3875.

Through a number of the instructional units at the University, various types of academic scholarships are available. These scholarships are awarded directly by the sponsoring units, which should be contacted directly through information numbers referenced in this document.

As other programs become available at the University, students should contact the Office of Student Financial Assistance directly for pertinent information.

Financial Aid Eligibility Requirements

The Office of Student Financial Assistance makes every effort to ensure that all awards and materials submitted remain confidential in accordance with the Buckley Family Right to Privacy Act of 1975. In order to initiate the process of review for financial aid awards, students must be U.S. citizens or permanent residents, registered for selective service, not in default on a federal or state student loan program and should do the following:

1. Complete the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov. After successful submission of the FAFSA, the student will receive a confirmation number for retention with their permanent records. The U.S. Department of Education will forward an electronic response within 48 hours containing a link that should be immediately accessed and the content reviewed for accuracy. Corrections to the electronic record, the Student Aid Report, may be made instantly generating a new record within three to five business days. For financial aid purposes, a student is considered "dependent" if he or she is under 24, unmarried, and has no legal dependents. (Exceptions for veterans, wards of the court, graduate/professional students, and other special circumstances exist. For additional information on these categories of students refer directly to the FAFSA or contact the Office of Student Financial Assistance.) If a student is considered dependent, then the income and assets of the parent, in addition to the student's information, must be reported on the FAFSA.
2. Submit any supporting documentation that may be required to the Office of Student Financial Assistance via the postal services or by fax to 713-313-1858. Hand deliveries or mailed items should be delivered to Texas Southern University, 3100 Cleburne Street, Office of Student Financial Assistance, Houston, TX 77004-9987 located in the E. O. Building first floor. All items should include the student's name and T-number on the document.
3. Secure Admission to Texas Southern University through the Office of Admissions via the process described in the "Admission Requirements, Enrollment Information, and Academic Regulations."
4. Once all documents have been received the Office of Student Financial Assistance (or other designated office), the applicant will be considered for a possible financial aid award. With the exception of the grant and scholarship programs, additional steps are required prior to the financial aid disbursing to the student's account. A student who applies for financial aid or assistance and is not awarded at the time of time of registration must be prepared to pay for tuition, fees, books and housing from personal funds as part of the registration process.

In order to maintain eligibility for consideration for financial aid, students must meet the standards set forth in Texas Southern University's policy on Satisfactory Academic Progress (SAP). There are three facets of the individual student record that determine financial aid eligibility: credit hours, grades, and time frame. The requirements in each facet vary in accordance with academic status (undergraduate, graduate, or professional student), the college or school of enrollment, and enrollment status (full-time, half-time, or less than half-time). Time frame is always included regardless of the level, enrollment status or degree objective for the student when considering the financial aid satisfactory academic progress standards.

Credit Hours and GPA

Students receiving financial aid must satisfy the quantitative component, credit hours attempted and earned (ratio) and qualitative component, the cumulative grade point average (GPA) needed based upon their individual academic classification to maintain eligibility. Students receiving aid have their overall enrollments at the University reviewed at the end of the spring semester. If they meet or exceed the minimum SAP standards, the student's next scheduled review will occur annually at the end of the subsequent spring term. If they fail to meet the minimum SAP standards, the student is placed on financial aid suspension and must appeal for reinstatement of eligibility to receive aid. If the student successfully appeals and is approved to regain eligibility to receive aid, the student is placed on financial aid probation and the student's SAP is measured at the end of each subsequent term. If the

student meets the minimum financial aid satisfactory academic progress requirements, the student regains eligibility to receive Title IV aid. If the student fails to meet the minimum requirements or the requirements outlined in the academic plan, the student is placed on financial aid suspension and may not automatically regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category. The student may appeal for reinstatement after earning a 2.0 in at least 6 hours at an accredited two-year or four-year University, junior or community college prior and meets other federal acceptable terms for reentry into the financial aid programs.

Time Frame

With regard to the **time frame needed** to maintain eligibility, students will be considered for financial aid for a limited time only. Their enrollment in all postsecondary institutions, regardless of financial aid support, is considered when determining the total number of credit hours that they are allowed to enroll in with the benefit of financial aid. **The Office of Student Financial Assistance should be contacted directly regarding the specifics of time frame limitations.** Students are notified when they are approaching enrollment in the maximum number of credit hours permitted. If students exceed this number before finishing their individual programs of study, then they will no longer be eligible to receive federal student assistance.

Financial Aid Probation

Students are placed on financial aid suspension with regard to the receipt of financial aid for their next semester of attendance. Students placed on financial aid suspension are required to submit an appeal containing a SAP appeal form, letter of explanation, plan of action for improving their academic performance and academic plan to regain eligibility to receive aid. Submission of an appeal does not automatically reestablish eligibility to receive aid. If they are successful in appealing the financial aid suspension the student is placed on financial aid probation. If the student has an established academic plan and meets the standards outlined in the academic plan, the student is continued on financial aid probation. To be removed from this probation, students must complete the requisite number of semester credit hours with the corresponding GPA to regain unconditional eligibility under the Satisfactory Academic Progress (or SAP) policy. Students who meet the conditions outlined in the approved appeal and an academic plan, but continue to fall below the minimum requirements continue to receive aid on probationary status. If these conditions are not met the student will be placed on financial aid suspension and may not regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category or meets other federal acceptable terms for reentry into the financial aid programs.

Financial Aid Suspension

Students who fail to earn the required semester credit hours and achieve the required GPA while on financial aid probation will be placed on financial aid suspension. Thus, they will no longer be eligible to receive federal student assistance. In order to return to financial aid probationary status, students must meet the minimum financial aid satisfactory academic requirements. Students failing to meet the minimum requirements must earn a 2.0 in at least 6 hours at an accredited two-year or four-year university prior to appealing for reinstatement of the financial aid eligibility. The student must submit a financial aid appeal for consideration of reinstatement of aid. Submission of an appeal after achieving a 2.0 does not automatically reestablish eligibility to receive aid; appeals will be considered on a case by case basis for reinstatement of aid.

Exclusions

The following types of registration or grades cannot be used to fulfill conditions for the removal of financial aid probation or suspension: advanced placement credits, credits earned through the credit by examination process, independent study courses, and grades of withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

Additional Academic Requirements

If a student applies for financial aid, their eligibility will be based on past performance as measured by the Satisfactory Academic Progress (SAP) standards for financial aid. If a student is a transfer student, he or she will be evaluated within the financial aid SAP maximum time frame based upon the number of semester credit hours accepted by Texas Southern University and subsequently enrolled in at Texas Southern University.

Other factors that students need to be cognizant of with regard to the assessment of financial aid status are as follows:

1. Semester credit hours earned from foreign institutions are included in the financial aid SAP evaluation if these credits are accepted by the University and the college/school in which a major is declared.
2. If a course is repeated, the semester credits earned will count toward the determination of enrollment status and maximum time frame. If a course is repeated due to a failing grade, financial aid may be applied until the student

- receives a passing grade in the course. If the student receives a passing grade, financial aid may only be applied for the first instance the course is repeated.
3. Courses in which grades of “I” (incomplete) are received do not earn credits to meet the academic year minimum, nor do they influence GPA’s in the semester in which they are taken; however, the credits are counted in the maximum time frame.
 4. Courses in which grades of “W” (withdrawal) are received do not earn credits to meet the academic year minimum, nor do they influence GPA’s in the semester in which they are taken; however, the credits are counted in the maximum time frame. Students may retake courses from which they withdraw, and retaken credits will count toward the determination of enrollment status and minimum credits earned.
 5. Credits earned from undergraduate developmental/remedial courses that students are required to take count toward the determination of enrollment status, minimum semester credits earned, and maximum time frame.
 6. Credits earned from undergraduate courses taken while students are enrolled as graduate students do not count toward the academic year minimum, nor do they influence GPA’s, nor do they count toward the determination of enrollment status or minimum credits earned, unless these credits are specifically required as prerequisites.
 7. All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.
 8. Summer terms are considered special semesters and are not automatically monitored to determine financial aid SAP. Students who attend summer terms and who want credits earned during these terms counted with fall and/or spring semester credit totals must make a request for such at the end of the summer terms of attendance.

Right to Appeal

Students placed on financial aid suspension may appeal this status by completing a Satisfactory Academic Progress Appeal Form in the Office of Student Financial Assistance within 30 days of receipt of notification.

Students who believe that they have been identified as not having met financial aid SAP requirements because of the late posting of grades should contact the Office of Student Financial Assistance once grades have been posted. A counselor will then review the information and determine whether or not the SAP requirements have been appropriately met.

Students who are placed on financial aid suspension should submit a Satisfactory Academic Progress Appeal Form, Letter of Explanation, Plan of Action and Academic Plan. The Academic Plan must be obtained from an academic advisor, or designated representative for the department. Students who fail to achieve financial aid SAP standards because of mitigating circumstances (such as illness, injury, family crisis, or credits earned from incomplete courses) should attach supporting documentation with the appeal. The Satisfactory Academic Progress committee will render a decision after reviewing the documentation presented.

Students who attend either one or both summer terms during a year when they have been placed on either financial aid probation or suspension and succeed in increasing their GPA’s and/or semester credit hours completed in order to meet the minimum financial aid SAP standards for the year should appeal their status in writing with supporting documentation to the following:

Satisfactory Academic Progress Appeals Committee
Office of Student Financial Assistance
Texas Southern University
3100 Cleburne Street
Houston, Texas 77004-9987

Decisions on these appeals will be made within 20 business days after their receipt. Students will be notified in writing of the decision.

WITHDRAWAL AND RETURN OF TITLE IV AID

Unexpected events may cause students to withdraw prior to the end of the semester. Federal regulations require that a Return of Title IV Aid calculation be performed on any student receiving federal aid during the semester. Federal aid includes the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Academic Competitiveness Grant, National SMART Grant, Federal Perkins Loan, Federal Stafford Loan, and Federal PLUS Loan.

The relationship of the Withdrawal Calculation and the Tuition Refund

The calculation of Title IV funds earned by the student has no relationship to the student’s incurred institutional charges. The institutional refund policy is located in the university catalog and on the web www.em.tsu.edu under Refund Policy and Schedule. Federal Student aid may not cover all unpaid institutional charges due to the institution upon the student’s withdrawal.

The Financial Services Office will perform a Return of Title IV funds for each student that withdraws for the semester and notify the student of any repayment of funds as a result of the calculation.

Earned Financial Aid and the Return to Title IV Calculation

According to federal guidelines, the student earns financial aid based on the length of time the student remains enrolled in the term.

- If the student withdraws a Title IV refund calculation will be process based on the last day of attendance and all federal aid will be calculated according to the federal regulation. If the student withdraws from school prior to completing 60% of the term, he or she may be required to repay all or part of financial aid received for that term.
- If the student initiates the withdrawal process after the completing over 60% of the enrollment term, he or she will have earned 100% of the federal financial aid for that term and no repayment is required.
- If the student unofficially withdraws or does not earn a passing grade in any class, federal regulations require a Return of Title IV aid calculation is performed for the student. The calculation will be based on the 50% point in the semester unless the student can document an official last day of attendance.

Repayment of Unearned Aid

The portion of the term that the student does not attend represents the portion of aid that is determined to be unearned. Earned federal financial aid is prorated according to the percentage of the semester completed. The amount of the unearned federal aid is the total amount of federal aid less the portion of earned federal aid. Unearned federal aid, other than federal work study, must be returned to the federal government. The responsibility to repay unearned aid is shared by TSU and the student.

TSU's share is the lesser of the total amount of unearned aid or the institutional charges multiplied by the percentage of aid that was earned. The student's share is the difference between the total unearned amount and the institution's share.

Earned financial aid is prorated according to the percentage of the semester completed. The return of funds is allocated among the Title IV programs, in an order specified by federal statute. TSU is required to return all unearned federal aid attributed to school charges. This means that a portion of your tuition and fees is no longer covered by financial aid and you are liable for paying the balance of your school charges. All unearned federal aid attributed to school charges is subject to immediate repayment by you unless you are eligible for a tuition and fee refund.

Proration of the Cost of Attendance

The average cost of attendance for students is the sum of the following: tuition and fees, room and board, books and supplies, transportation, personal expenses and (if applicable) loan fees

The cost of attendance may be adjusted to allow for exceptional expenses such as dependent care, study abroad, and on a case by case basis based on the submission of the Special Circumstances Form. Average expenses are utilized for students, with different sets of average costs for resident and non-residents students in the following categories: undergraduate, graduate, pharmacy and law. Undergraduate costs are initially based on 15 hours of enrollment. A graduate student is based on 10 hours and professional students are based on 15 hours.

Beginning with the 2012-2013 Award Year, the cost of attendance for students enrolled less than full-time as of the census date for the term will be adjusted based on a student's actual enrollment using the actual cost of tuition and fees and a percentage of books and supplies. Official census dates are as follows:

- 12th class day for the fall and spring terms
- 4th class day summer of second part of term, for those students attending the entire summer term
- 4th class day summer in first part of term, for those attending only first part of summer term
- 4th class day summer in second part of term; for students attending entire summer (10wk), first part of term and 10 week combination; or second part of term and 10 week combination; and for those who are attending second part of term only

Students that did not have a completed FAFSA/TASFA filed before the census date will have their cost of attendance based on their enrolled hours at census date. No further adjustments to the cost of attendance will be made after this packaging when subsequent enrollment updates occur. Concurrent Enrollment Agreements, Consortiums and Study Abroad will be reviewed and adjusted based on enrollment; per the minimum enrollment roster and consortia documentation. Adjustments to the cost of attendance may cause a reduction of aid and necessitate the return of funds to the Title IV programs.

RESIDENTIAL LIFE AND HOUSING PROCEDURES

The demand for student housing is quite large. Facilities may not be available for all students who apply. To process applications expeditiously, students must request and submit the appropriate application for the type of accommodation desired.

Texas Southern University (TSU) has launched a new learning and living program. The Urban Academic Village is available to a select group of incoming freshmen. Only 400 of our 1,200 incoming freshmen will be selected to participate in this pilot program that includes both an academic and a residential learning community.

To begin the housing reservation process, a student will submit an electronic housing application via the TSU Housing website at www.tsu.edu/housing. The student must remit a \$100 security deposit and a \$250 non-refundable application fee at all housing locations. The application fee will not be credited toward the amount of room and board to be paid at registration. The deposit will remain with the University as long as the student is under the terms of the Housing-Food Service Contract.

Housing Deposit/Application Fee Refund Policy

A housing/food service contract may be obtained by students for one academic year (that is, for the fall and spring semesters) and the aforementioned deposit. The deposit will be forfeited if contract is terminated. The deposit is refundable when the student cannot be accommodated. Refunds are made after verifying that the housing balance has been paid in full and the room has been vacated, left clean, and in good order. Cost for damages to facilities, furnishings, and special cleaning are charged to the student. Where responsibility cannot be determined, costs will be divided among the occupants of the room/floor/building involved in the damages.

Housing Reservations

Reservations are made on a priority basis. Freshmen will be served first priority at the Academic Village and the Lanier East and West Halls. You must be accepted into the Urban Academic Village (UAV) program to reserve housing at the Academic Village. All other incoming freshmen will reside at Lanier East and West Halls. Priority levels exist according to classification. Sophomores are accommodated at the 2nd level, followed respectively by juniors and seniors. Assignments depend on housing availability.

All domestic and international students should make applications with applicable fees as early as possible prior to the semester or term in which they wish to attend. **Applicants must be accepted to the University before applying for housing accommodations.**

Assignments are made beginning in April for the fall semesters, and are made in December for the spring semester. Every effort will be made to honor specific room requests; however, room/hall assignments are made on a space-available basis.

Housing Cancellations

All requests for cancellation of housing reservation must be in writing and submitted to the housing office within two (2) weeks upon receipt of your application. If the request is submitted in time, applicants are eligible to receive the deposit.

All requests for termination of housing/food contracts must be submitted in writing to the housing office located at 3505 Blodgett St, Houston, Texas 77004 by November 1st each calendar year.

Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, information bulletins, and housing/food service contracts. Students will be held accountable for adherence to the contents of all contractual information. Once a student is assigned to a room, he/she is responsible for its maintenance (i.e., keeping the room in good condition) and shall be held responsible to the University for damages to equipment and furnishings. Charges will be assessed for damages or defacements beyond normal wear and tear.

Texas Southern University strongly urges students to provide personal property insurance via a rider on the family's homeowners insurance or by purchase of a personal property insurance policy provided by a third party insurance provider.

All residents are expected to familiarize themselves with and abide by the Housing Rules and Regulations and the Student Code of Conduct. Violation of University Rules and Regulations could result in disciplinary actions taken by the Housing Judiciary Committee, Director of Residential Quality Control, and/or the Office of Judicial Affairs.

The Residential Life and Housing Office is located at 3505 Blodgett in the Tierwester Oaks leasing office, and the telephone number is (713)-313-7206.

Developmental Education Program The College of Liberal Arts and Behavioral Sciences (COLABS) and the College of Science and Technology select highly qualified and committed faculty to provide instruction for students in this Program. In addition, students enrolled in one or more of these courses have access to fully equipped laboratories which provide additional course-related academic support. Developmental courses, to be taken before or concurrently with related college-level courses, include ENG 130, MATH 130, MATH 131, and READ 130., Additional supports made available to students in the program are MATH 101, READ 101, and WRIT 101lab courses.

STUDENT SERVICES AND CAMPUS LIFE

COUNSELING SERVICES

The mission of the University Counseling Center (UCC) is to help students enhance their academic and personal well-being. The UCC seeks to provide crisis intervention, grief counseling, outreach, and other referral services to TSU students.

Confidential counseling services are made available for all currently enrolled TSU students at no charge. Our primary responsibilities are to alleviate distress and promote healthy functioning by providing either short-term or ongoing counseling services. These services include, but are not limited to individuals, couples, family and/or group consultation, referral for on-campus psychiatric services, and public presentations for campus organizations and/or academic classes.

The UCC staff consists of mental health professionals from diverse clinical backgrounds. Some members are licensed mental health professionals. The UCC consults with psychologists, psychiatrists, and physicians when necessary. This practice allows the staff to provide quality counseling, integrated care, appropriate referrals, consultation, and training. The UCC clinical staff are trained and experienced in responding to a variety of issues encountered by university students.

The UCC records are not apart of the student's academic record; and no one can get information from a student's record without the student's written consent or a court-ordered subpoena. A federal regulation, Health Insurance Portability and Accountability Act (HIPAA), requires our protecting the privacy of your health information.

The UCC is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call the UCC at 713-313-7804 either to make an appointment or for additional information.

STUDENT HEALTH SERVICES

Student Health Services offers medical care and educational programs to all students enrolled for the current semester. To receive services, students must be registered for credit courses and have a valid Tiger One Card. The clinic is designed and equipped to render service for minor and acute illnesses and injuries. nurses,, When students are referred for health care services outside of the health center,, expenses for these services are the responsibility of the student, not the University.

Health Services is located in the Student Health Center on Tierwester Street between Lanier East and the General Services building. The clinic is open Monday – Friday, from 8:00 a.m. to 5:00 p.m.

After Clinic hours and on weekend's students should contact TSUPD at 713 313-7000 for assistance. In addition, students residing in on-campus housing should report any emergency situation or illness to their Resident Assistant (RA). When the RA is not available students are advised to report all emergency situations or illnesses to the Graduate Assistant (GA), or the Residential Life & Housing Control Manager.

No one can get information from a student's medical record without the student's written consent or a court-ordered subpoena. A federal regulation, Health Insurance Portability and Accountability Act (HIPAA), requires our protecting the privacy of your health information.

Insurance

All domestic students taking 6 or more credit hours are eligible to enroll in the Student Health Insurance Plan on a voluntary basis. Enrollment is available online at www.collegiaterisk.com (enter TSU under school name). Students participating in any school sponsored activities must show proof of current insurance coverage.

International Students are required to have health insurance and are automatically enrolled and charged for the university sponsored student health insurance plan. To have the charge removed; students are required to show proof of comparable private health insurance by completing an online waiver by the 20th day of classes. The waiver can be found at www.collegiaterisk.com (enter TSU under school name), click on waiver and follow the instructions provided.

Health Awareness Programs. HIV and STD testing is available in the clinic every Wednesday, during the fall and spring semester. Health Services presents informative health programs throughout the year. Information regarding these programs will be posted campuswide. Brochures on HIV, STD's and other health related issues are available at the Health Center. Additional information about our services can be found on the web at www.tsu.edu/health or by calling the clinic at (713) 313-7173 .

UNIVERSITY CAREER SERVICES

The University Career Services Center has the major objective of assisting students and alumni with their employment-related needs. The Center staff seeks to assist students with choosing their majors and career interests and gaining relevant work experience, as well as to provide alumni guidance in their full-time professional job search. The Center encompasses four interlocking components: Career Awareness, Job Location and Development (JLD), Cooperative Education (Co-Op)/Internships, and Career Planning and Placement.

University Career Services also focuses on developing strong relationships with employers and assisting them in their recruiting needs. Provided services include career fairs, on-campus recruitment, and resume referrals that assist in meeting each organizations needs. If the need is filling internships, cooperative education, or full-time employment opportunities, University Career Services is dedicated to providing each organization personal and prompt service.

Whether a student, an alumnus, or an employer, University Career Services is committed to assisting you in meeting your goals. The Center is located in the Thornton M. Fairchild Building, room 152. Office hours are 8:00am – 5pm, Monday through Friday. For further information, students should call (713)-313-7541.

SUBSTANCE ABUSE PREVENTION, EDUCATION AND INTERVENTION PROGRAM (SAPEI)

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the work force. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU's Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students, among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances (e.g., National Collegiate Alcohol Awareness Week, health fairs, etc.). It also co-sponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7804, either to make an appointment or for additional information.

UNIVERSITY TESTING SERVICES

The University Testing Services program renders the following services.

1. The provision of local and national testing programs for its clientele.
2. The collection of relevant and reliable psychometric information about the learner.
3. The collection of relevant and reliable psychometric information about prospective students of Texas Southern University.
4. The provision of test services and test consultations for various components within the University.
5. The provision of counselors and admission officers with test profiles on all freshman students.
6. The provision of academic advisors with test profiles and other relevant test data compiled on their advisees.

University Testing Services offers two specific programs: national testing programs and institutional testing programs.

A. National Testing Programs are testing programs which are administered nationwide in terms of date and time. They are controlled by test service centers external to the University. Those national testing programs which are currently conducted by University Services are

- American College Testing (ACT) Program Test
- General Education Development (GED) Test
- Graduate Records Examination (GRE)
- Law School Admission Test (LSAT)
- Scholastic Aptitude Test (SAT)

- Test of English as a Foreign Language (TOEFL)
- Texas Educator Certifications (TExES)
- Texas Success Initiative Assessment (TSI)

B. Institutional testing programs are programs that are conceived, designed, implemented, and controlled by the University.

UNIVERSITY PROGRAM COUNCIL

The University Program Council is composed of students, staff, faculty, and administrators who work in collaboration with the Office of Student Services in implementing programs for the University community. The Council's charge includes sponsoring a comprehensive list of social, cultural, intellectual and recreational programs, which enhance the total development of students.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association is the supreme governing body of Texas Southern University students. Comprised of the three branches, Executive, Legislative, Judicial, the Student Government Association serves as a means whereby students' opinions, views and aspirations may be properly discussed and acted upon.

CAMPUS ORGANIZATIONS

The Office of Campus Organizations, which is housed in the Student Center, each year certifies over seventy (70) campus organizations serving the special interests of the campus community. Among those recognized organizations are undergraduate chapters of national fraternities and sororities and social, academic, recreational, religious and para-professional organizations.

STATEMENT OF ETHICAL PRINCIPLES TITLE IX GRIEVANCE PROCEDURES

I. PURPOSE AND SCOPE

It is the policy of Texas Southern University not to discriminate on the basis of sex in its educational programs and activities as required by Title IX of the Education Amendments of 1972. Title IX provides that "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Sex discrimination includes sexual harassment and sexual assault. This policy shall apply to all students, staff, faculty, contractors, vendors, and/or visitors to Texas Southern University.

As a student of the University you are protected from sex discrimination in areas including, but not limited to:

- Admission to schools/colleges
- Access to enrollment in courses
- Access to and use of school facilities
- Counseling and guidance materials, tests and practices
- Vocational education
- Physical education
- Competitive athletics
- Graduation requirements
- Student rules, regulations and benefits
- Treatment as a married and/or pregnant student
- Housing
- Financial assistance
- Health services
- School-sponsored extracurricular activities

As an employee of the University you are protected from sex discrimination in areas including, but not limited to:

- Employment, evaluation, wages, advancement, assigned duties and shifts
- Career advancement
- Other terms and conditions of employment

II. DEFINITIONS

A. Sex Discrimination. Sex discrimination can occur when conduct is directed at a specific individual or a group of identifiable individuals that adversely affects the education or employment of the individual or group because of sex. Behavior that may be sex discrimination include, but are not limited to:

- Exclusion from educational resources or activities because of one's gender
- Subjection to jokes or derogatory comments about one's gender; or
- Being held to different standards or requirements on the basis of one's gender

B. Sexual Harassment. Sexual harassment is a form of sex discrimination that can occur when there are:

- Unwelcome sexual advances;
- Request for sexual favors, whether or not accompanied by promises or threats relating to the employment or academic relationship, or that in any way influence any academic or personnel decision regarding a person's academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee's or student's submission to or rejection of sexual advances will in any way influence any personnel or academic decision regarding his or her academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee's ability to do his or her job or a student's academic standing, performance or development;
- Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working or educational environment; and
- Certain conduct in the workplace or educational environment, whether physical or verbal, committed by supervisors, non-supervisory personnel, or faculty, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures.

C. Sexual Assault. Sexual assault is a nonconsensual act involving psychological manipulation, physical force, or coercion. As defined by the Texas Penal Code, a stranger or acquaintance commits sexual assault through forcible sodomy, forcible sexual penetration, however slight, of another person's mouth, anal or genital opening with any object. These acts must be committed without the victim's consent either by force, threat of force or violence, intimidation or through the use of the victim's mental or physical helplessness of which the accused was aware or should have been aware.

III. REPORTING OF COMPLAINTS

Texas Southern University (TSU) encourages any student, employee or visitor who thinks that she or he has been subjected to sex discrimination, sexual harassment or sexual assault by another student, member of the faculty or staff, campus visitor or contractor, to report that action immediately to the University's Title IX Coordinator or a Deputy Coordinator.

Any complaint of sex discrimination, sexual harassment or sexual assault made under this procedure must be submitted in writing within 180 days after the occurrence (or the last of a series of occurrences) of the alleged discrimination.

All TSU employees are responsible for promptly reporting incidents of sex discrimination, sex harassment and sexual assault that come to their attention to the University's Title IX Coordinator or a Deputy Coordinator (unless the employee is statutorily barred from sharing such information). All other individuals (e.g. students, visitors) are urged to report to their supervisors or the University's Title IX Coordinator/Deputy Coordinators conduct that they believe violate the University policies prohibiting sex discrimination.

IV. NOTICE OF TITLE IX COORDINATOR/DEPUTY COORDINATORS

While compliance with the law is everyone's responsibility at the University, listed below are the University's Title IX Coordinator/Deputy Coordinators who have primary responsibility for Title IX Compliance.

Title IX Coordinator

Keisha David

Director of Human Resources
Office of Human Resources
Hannah Hall, Room 126
Texas Southern University
Houston, TX 77004
(713) 313-7037
David_KL@tsu.edu

Duties and responsibilities of the Title IX Coordinator include monitoring and oversight of overall implementation of Title IX compliance at the University, including, but not limited to coordination of training, education, communications, and administration of grievance procedures for faculty, staff, students and other members of the University community.

Title IX Deputy Coordinators

For students:

Corliss Rabb

Director of Judicial Affairs
Office of the Dean of Students
Recreation Center, Room 200
Texas Southern University
Houston, TX 77004
(713) 313-7956
rabb_ca@tsu.edu

William Thomas

Associate Dean of Students
Office of the Dean of Students
Recreation Center, Room 200
Texas Southern University
Houston, TX 77004
(713) 313-6816
thomas_wa@tsu.edu

If you have a complaint against a TSU student for sex discrimination, sex harassment or sexual assault, you should contact the Associate Dean of Students or the Director of Judicial Affairs.

The Associate Dean of Students and the Director of Judicial Affairs are responsible for Title IX compliance for matters involving students, including training, education, communication, and administration of the grievance procedure for all complaints filed against TSU students.

For faculty, staff and visitors:

Sanya Sinclair

Human Resources Generalist
Office of Human Resources
Hannah Hall, Room 126
Texas Southern University
Houston, TX 77004
(713) 313-7881
SinclairSA@tsu.edu

If you have a complaint against a TSU faculty member, staff member, visitor or contractor for sex discrimination, sex harassment or sexual assault, you should contact the Office of Human Resources.

The Human Resources Generalist is responsible for Title IX compliance for matters involving faculty and staff, including training, education, communication, and administration of the grievance procedure for all complaints against faculty, staff and visitors, including those complaints filed by students.

For Athletics:**Dr. Dwalah Fisher**

Senior Woman Administrator - Athletics
Health & Physical Education Building, Room
Texas Southern University
Houston, Texas 77004
(713) 313- 7272
Fisher_DL@tsu.edu

Complaints against TSU students and Employees in Athletics

If you have a complaint against a TSU student, coach or administrator for sexual discrimination, sexual harassment, or sexual assault, you may contact one of the offices listed above, or you may contact the Senior Woman Administrator - Athletics, who will facilitate the handling of the complaint with the appropriate office.

Gender Equity in Athletics

If you have a complaint about gender equity in TSU athletic programs, you should contact the Senior Woman Administrator - Athletics, who is responsible for Title IX compliance in matters relating to gender equity in TSU athletic programs.

For Sexual Assault:

To file a complaint of sexual assault, you may contact one of the offices listed above, and you may also contact:

TSU Department of Public Safety

Texas Southern University
3443 Blodgett Street
(713) 313-7000 (Emergency)
(713) 313-7001 (Non-emergency)

U. S. Department of Education, Office for Civil Rights

You may also file a complaint of illegal discrimination with the Dallas regional office of the U. S. Department of Education's Office for Civil Rights.

Confidentiality

Discrimination and harassment complaints will be handled in a confidential manner to the extent possible and consistent with principles of due process. Information will only be shared on a need-to-know basis and as provided for by University policy and applicable federal and state laws.

V. INFORMAL RESOLUTION PROCEDURES

Though not required, employees and students are encouraged to attempt initially to resolve complaints at the lowest level through the administrative structure of the employment unit or academic department.

If you would like to proceed informally, you should ask your supervisor, the other person's supervisor, the Title IX Coordinator or a Deputy Title IX Coordinator to intervene. Do not rely upon other co-workers or individuals who are not familiar with University policy to intervene on your behalf when discussing your concerns with the person whose behavior is unwelcome and/or offensive. In cases involving allegations of sexual assault, mediation is not appropriate, even on a voluntary basis.

You have the right to end the informal resolution process at any time and begin the formal resolution process.

Supervisors or administrators, including faculty, always should contact the Title IX Coordinator or a Deputy Coordinator before attempting to resolve any complaints.

VI. FORMAL RESOLUTION PROCEDURES

You may initiate formal complaint procedures by filing a complaint with the University's Title IX Coordinator or a Deputy Coordinator ("Coordinator") whether or not you have attempted resolution through informal procedures. The individual who files the complaint is referred to as the "Complainant". The individual against whom the complaint is filed is referred to as the "Respondent". Collectively these individuals are referred to as the "parties". The University will work to investigate all complaints as quickly and professionally as possible. When investigations confirm the discrimination and/or harassment allegations, appropriate corrective action will be taken to prevent the recurrence of any discrimination or harassment.

1. Filing of a Complaint.

The complaint must be submitted in writing, must be filed within one hundred eighty (180) days of the incident (or last of a series of incidents) that is the basis of the complaint, and must contain the following information:

- Complainant's name and contact information, including address, telephone number and e-mail address;
- Name of Complainant's Department Head/Dean/Vice President (if Complainant is an employee);
- Name of person(s) responsible for alleged violation(s);
- Date(s) and place(s) of alleged violation(s);
- Nature of alleged violation(s) as defined in this policy;
- Detailed description of the specific conduct that is the basis of alleged violation(s);
- Names of any witnesses to alleged violation(s);
- Action requested to resolve the situation;
- Complainant's signature and date of filing; and
- Any other relevant information/documents

The following communications do not constitute a complaint and will not be investigated or resolved pursuant to this complaint resolution process:

- Oral allegations
- E-mail correspondence
- Anonymous communications
- Courtesy copies of correspondence or a complaint filed with others/other entities
- Inquires that seek advice or information only
- Pre-complaint consultations and informal resolution activities

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex discrimination, harassment and sexual assault, of which it knows or reasonably should know.

2. Receipt of a Complaint.

Upon receipt of the written complaint, the Coordinator will meet with the Complainant within five (5) working days to review the complaint procedures, discuss the Complainant's allegations, and determine, if appropriate, whether the Complainant is amenable to resolving the complaint through informal procedures. If the Complainant is willing to first proceed informally, the Coordinator will temporarily postpone the complaint investigation and contact the Respondent to determine whether he or she is willing to participate in an informal resolution.

If the Complainant wishes to proceed directly with the formal complaint procedures, or the Respondent declines to participate in an informal resolution, or attempts to resolve the complaint through informal procedures are unsuccessful, the Coordinator will assess the Complainant's written complaint to determine whether the allegations state a potential violation of federal or state laws and/or University policies.

3. Acceptance of a Complaint.

Within five (5) working days of: 1) the Coordinator's receipt of the complaint; 2) the Coordinator's initial meeting with the Complainant; or 3) the Coordinator's determination that an informal resolution of the Complainant's complaint is no longer feasible – whichever is later, the Coordinator shall decide whether the written complaint states a potential violation of University policies or federal or state laws and shall notify the Complainant in writing of her/his determination.

If the Coordinator determines that the allegations of the complaint state a potential violation, the Coordinator will notify the Complainant that the complaint has been accepted and within ten (10) days thereafter provide written notice to the Respondent of

the complaint allegations. In addition to notice of the complaint being provided to the Respondent, the Coordinator shall provide notice to the Respondent's immediate supervisor and divisional vice president.

If the Coordinator determines that the allegations of the complaint do not state a violation of University policy or federal or state laws, the Coordinator will provide written notice of this decision to the Complainant. The notice shall explain why the complaint does not state a violation.

4. Complaint Investigation.

The allegations in all complaints will be investigated thoroughly to assure a resolution that is consistent with the facts. The investigation may include, but is not limited to:

- Interviewing the Complainant
- Interviewing the Respondent
- Interviewing witnesses and reviewing evidence presented by the parties
- Interviewing other material witnesses
- Reviewing relevant files and records;
- Comparing the treatment of the Complainant to that of others similarly situated in the department or unit; and/or
- Reviewing applicable policies and procedures

All interviews will be audio recorded. Parties and witnesses will be informed that their statements will remain confidential only to the extent allowed by laws.

Evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of University policy occurred).

5. Abandonment of Complaint.

The following acts may constitute abandonment of a complaint:

- Failing to respond or take an action required by the policy or procedure within the specified time limit;
- Failing to appear for a scheduled meeting/hearing without adequate cause; or
- Otherwise failing to advance the complaint in a timely manner.

No further action or appeal will be allowed following a Coordinator's determination that the Complainant has abandoned their complaint. The Coordinator will provide written notice to the Complainant of this determination.

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex discrimination, harassment and sexual assault, of which it knows or reasonably should know.

6. Report of Findings and Recommendation – Complaints Against Nonstudents.

The investigation shall normally be concluded within sixty (60) working days of the filing of the written complaint, at which time the Coordinator shall issue a written report to the Respondent's supervisor/department head. If a complaint is directed against a supervisor/department head who would otherwise act on a complaint, the function assigned to that supervisor/department head will be delegated to the next level supervisor in the Respondent's line of supervision. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

If the report determines a finding of a violation of University policy and/or federal or state law, within five (5) working days following receipt of the report of findings and recommendation, the supervisor/department head shall determine a disciplinary action that is appropriate for the severity of the conduct. Disciplinary action which may include sexual harassment, non-retaliation and/or managerial training, a letter of reprimand, a formal letter of apology to the Complainant, a reduction in administrative duties (e.g. removal as chair of department), unpaid suspension and/or termination of employment, will be taken in accordance with applicable University policies and procedures. Disciplinary action must be approved by the Office of Human Resources prior to the action being taken.

The supervisor/department head shall communicate the discipline decision in writing to the Coordinator and the Coordinator shall provide written notice to the parties of the outcome of the investigation.

7. Report of Findings and Recommendation – Complaints Against Students.

The investigation shall normally be concluded within sixty (60) days of the filing of the written complaint, at which time the Coordinator shall issue a written report. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

Any disciplinary proceedings involving a student will be conducted pursuant to the provisions of the University's Student Conduct Code. Disciplinary sanctions under the Code may include sexual harassment and non-retaliation counseling, disciplinary reprimand, disciplinary probation, suspension and expulsion.

The University will take necessary steps to prevent the recurrence of any discrimination found to exist.

The Coordinator shall provide written notice to the parties of the outcome of the investigation.

In all Student Conduct Code disciplinary proceedings initiated pursuant to this Policy the Complainant will be provided with the same procedural protections provided to the Respondent, including but not limited to the right to:

- Receive notice of the hearing;
- Select and be accompanied and assisted by an advisor;
- Attend a pre-hearing disciplinary conference;
- Present witnesses and evidence in support of her/his position;
- Appeal the determination of the hearing panel;
- Notice of the outcome of the complaint and any appeal

Further, the Complainant and Respondent will not be allowed to personally question or cross-examine each other during disciplinary hearings/proceedings. Finally, all evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of the Student Conduct Code occurred).

As required by Federal law, any disclosure of the findings and decision in regards to student disciplinary proceedings will be governed by the provisions of the Family Educational Rights and Privacy Act.

8. Protective Measures.

At times the Title IX Coordinator/Deputy Coordinator may deem it necessary to recommend steps before or during an investigation to protect the rights and interests of the Complainant and/or the Respondent. Those measures may be designed to reduce or eliminate contact between the Complainant and Respondent so that both parties feel safe in their work or educational environment. Protective measures may also guard against further actual or perceived discrimination or retaliation.

Protective measures may include but are not limited to temporary changes in working conditions (such as changes in supervisor, shift, job site, or office location), changes in class schedule, changes in living arrangements, directives to the Complainant and Respondent to avoid personal contact or refrain from such contact without a third party neutral person present, and in severe cases interim suspension.

9. Effect of Criminal Proceedings.

Because sexual assault may constitute both a violation of University policy and criminal activity, the University encourages students to report alleged sexual assaults promptly to University and/or local law enforcement agencies. Criminal investigations may be useful in the gathering of relevant evidence, particularly forensic evidence. Because the standards for finding a violation of criminal law are different from the standards for finding a violation of this Policy, criminal investigations or reports are not determinative of whether sexual assault, for purposes of this Policy, has occurred. In other words, conduct may constitute sexual assault under this Policy even if law enforcement agencies lack sufficient evidence of a crime and therefore decline to prosecute.

The filing of a complaint of sexual assault under this Policy is independent of any criminal investigation or proceeding, and (except that the University's investigation may be delayed temporarily while the criminal investigators are gathering evidence) the University will not wait for the conclusion of any criminal investigation or proceedings to commence its own investigation and take interim measures to protect the Complainant and the University Community, if necessary.

10. Retaliation Prohibited.

It is contrary to Title IX, and other federal and state civil rights laws, and to University policy, to retaliate against any person for asserting his/her civil rights, including filing a claim of discrimination or participating as a witness in an investigation. Retaliation or reprisals against any participant in an investigation will not be tolerated by the University. Retaliation against a person who files

a claim of discrimination (including sexual harassment or sexual assault) is grounds for a subsequent claim by that person under the University's Retaliation policy (MAPP 02.05.14). If a person believes that he or she has been retaliated against as a result of filing a grievance or participating in the investigation of a grievance, he or she may pursue a separate complaint charging retaliation.

11. Filing of False Complaints.

Any employee or student who knowingly and intentionally files a false complaint under this procedure is subject to disciplinary action up to and including dismissal from the University/termination of employment.

12. Time Frames.

Time frames referenced in these procedures may be extended by the Coordinator for good cause, such as holidays or when classes are not in session, or when it is necessary to complete an investigation due to difficulties reaching witnesses or parties to the complaint.

VII. TITLE IX GRIEVANCE PROCEDURES.

This procedure shall constitute the grievance procedures for complaints alleging unlawful sex discrimination required under Title IX of the Education Amendments of 1972. As used herein, "complaint" is synonymous with "grievance".

VIII. OTHER DISCRIMINATION GRIEVANCES/COMPLAINTS

Complaints and grievances by faculty, staff and students alleging other forms of unlawful discrimination and harassment by faculty or staff, including but not limited to unlawful discrimination/harassment based on race, color, religion, national origin, age, disability, sexual orientation or veteran status, are subject to the procedures set forth in the University's "Complaint and Grievance Policy" – MAPP 02.05.01.

ANTI-RETALIATION

Policy. It is the policy of Texas Southern University that positive employee relations and morale can best be achieved and maintained in an environment that promotes ongoing open communication among administration, staff, faculty, and students, including open and candid discussions of problems and concerns. The University encourages staff, faculty and students to express their issues, concerns or opinions without fear of retaliation or reprisal. Therefore, the University wishes to make clear that it considers acts or threats of retaliation to constitute a serious violation of University policy.

Retaliation is any action that has the effect of punishing a person for engaging in a legally protected activity, such as alleging discrimination, making a discrimination or harassment complaint, or assisting in a discrimination or harassment investigation. The EEOC has determined that there are three essential elements of a retaliation claim: 1) participating in a legally protected activity, 2) an adverse employment action, such as suspension, demotion, or termination and, 3) a causal connection between engaging in the protected activity and the adverse employment action. Other examples of adverse employment actions include but are not limited to harassment, intimidation, threats or coercion.

Retaliation against any person who seeks assistance from the Offices of General Counsel, Internal Audit, Institutional Compliance or Human Resources or who files a claim of discrimination, including sexual harassment, is prohibited. Direct or indirect retaliation against anyone who, in good faith, raises or points out compliance-related violations or issues is also prohibited. There shall be no retaliation against any participant or witness in an investigation of a complaint, grievance or compliance violation. Any employee who retaliates against a fellow employee or a student in violation of the law and/or this policy is subject to disciplinary action, up to and including termination of employment.

Procedures. All administrators, managers and faculty should take proactive measures to assure staff or students that the University encourages the reporting of problems and prohibits retaliation or reprisal for reporting such problems. Allegations of retaliation will be investigated pursuant to the University's Retaliation Investigation Procedures. Any employee who is found to have retaliated against a fellow employee or a student in violation of the law and/or this policy is subject to disciplinary action in accordance with the University's Discipline and Termination Policy, up to and including termination of employment.

An employee, who has a complaint of retaliation by anyone at work, including any supervisor, co-worker, or visitor, should report such conduct to his or her supervisor. In addition, the employee should report the retaliation to the University's Employment Compliance Manager. If the complaint involves the employee's supervisor or someone in the direct line of supervision or if the employee for any reason is uncomfortable in dealing with his or her immediate supervisor, the employee should go directly to the

Compliance Manager. If the complaint involves the Compliance Manager, the employee should make a report to the University's Office of Human Resources. For more information, call the Office of Human Resources at (713) 313-7520.

SEXUAL HARASSMENT

Policy. It is the policy of Texas Southern University that all employees have the right to work in an environment free of discrimination and sexual harassment. As such, the University has a no-tolerance policy on sexual harassment. That means that any employee who sexually harasses a fellow employee or a student is subject to discipline, up to and including termination of his or her employment.

The University's sexual harassment policy is designed to apply to employment and academic relationships among faculty, administrators, staff, and students and prohibits male-to-female, female-to-male, faculty-student and same-sex harassment. Every employee of the University must avoid offensive or inappropriate sexual and/or sexually harassing behavior at work. Furthermore, the University's guidelines apply to all sexual advances, regardless of whether or not they are made in the office, outside the office, or during social or business occasions.

Definitions. Texas Southern University has adopted and incorporated the regulations of the Equal Employment Opportunity Commission (EEOC) and case law that define sexual harassment and hostile work environment. Prohibited conduct and activities include

1. Unwelcome sexual advances;
2. Requests for sexual favors, whether or not accompanied by promises or threats relating to the employment relationship or in any way influencing any personnel decision regarding a person's employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment or career development;
3. Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee's submission to or rejection of sexual advances will in any way influence any personnel decision regarding his or her employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment or career development;
4. Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee's ability to do his or her job;
5. Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working environment;
6. Certain conduct in the workplace, whether physical or verbal, committed by supervisors or non-supervisory personnel, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures; and
7. Retaliation against employees who report sexual harassment or assist the University in investigating a complaint. Such action is illegal and prohibited. Retaliation includes, but is not limited to, refusing to recommend an employee for a benefit for which he or she qualifies, spreading rumors about the employee, encouraging hostility from co-workers, and escalating the harassment.

Prohibitions

1. It is a violation of the University policy for anyone to engage in sexual harassment as defined above.
2. It is a violation of the University policy for anyone who is authorized to effectively recommend or take personnel or academic actions affecting faculty, staff members or students to engage in sexual harassment as defined above.
3. It is a violation of University policy for anyone to offer sexual favors in order to obtain preferential treatment with regard to conditions of employment or academic standing.
4. It is a violation of the University policy for an administrator/supervisor to take personnel or academic actions as a reprisal or in retaliation against an individual for reporting sexual harassment.
5. As with other University policies, it is also a violation of University policy for anyone to make false accusations of sexual harassment or other misconduct.

Responsibilities of the University

1. Whenever there is a violation of this policy, prompt corrective action shall be taken by the University consistent with existing rules, regulations, and policies. The University shall take preventive and corrective disciplinary action, up to and including termination of employment, against any employee who engages in sexual harassment.
2. The University's Compliance Officer shall be responsible for the coordination, dissemination, and implementation of this policy and shall work closely with senior academic and non-academic administrators to assure compliance with the

provisions of this policy. The Office of General Counsel and the Human Resources Department shall serve as resources with regard to sexual harassment-related matters.

3. Each dean, director, department chairman and/or administrative officer of an operational unit shall cooperate with the Compliance Officer in the implementation and dissemination of this policy and in providing an environment free of sexual harassment. Such officials shall refer complaints arising under this policy to the Compliance Officer.
4. It is the obligation of every faculty, student and staff member of the University to adhere to this policy. Failure of supervisors promptly to investigate and report allegations of sexual harassment or failure to take timely corrective actions is a violation of University policy and may be considered a violation of the law. The University shall take appropriate disciplinary action, up to and including termination of employment, against any supervisor who fails to investigate, report and/or take timely corrective action in cases of sexual harassment.
5. The University shall exercise reasonable care to prevent and promptly correct any sexual harassing behavior, to safeguard against sexual harassment, and to prevent any harm that could have been avoided.
6. The person affected by sexual harassment from another must make an attempt to take advantage of a reasonable preventive or corrective opportunity provided by the University or otherwise to avoid harm.
7. Retaliation against an employee who reports sexual harassment or assists the University in investigating a complaint is prohibited; any individual who retaliates against an employee under these circumstances will be subject to appropriate disciplinary action, up to and including termination of employment.

Complaints. An employee who has a complaint of sexual harassment by anyone at work, including any supervisor, co-worker, or visitor, should report such conduct to his or her supervisor. In addition, the employee should report the harassment to the University's Compliance Officer. If the complaint involves the employee's supervisor or someone in the direct line of supervision, or if the employee for any reason is uncomfortable in dealing with his or her immediate supervisor, the worker should go directly to the Compliance Officer. If the complaint involves the Compliance Officer, the employee should make a report to the University's Office of Human Resources. The University will work to investigate all complaints as quickly and as professionally as possible. When investigations confirm the allegations, appropriate corrective action will be taken.

In the event the University learns that an employee has made a sexual harassment complaint in bad faith or has knowingly provided false information regarding a complaint, appropriate disciplinary action may be taken against the individual who provided the false information.

Confidentiality. The University will make every attempt to keep the information provided in the complaint and investigation process confidential to the fullest extent permitted by the circumstances and allowed by law. However, confidentiality cannot be guaranteed.

AMERICANS WITH DISABILITIES ACT (ADA)/SECTION 504 POLICY

A. Purpose

The purpose of this operating policy/procedure is to ensure understanding of the University's responsibilities regarding the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 as amended (Section 504). It is the policy of Texas Southern University (TSU) to provide reasonable accommodations upon request for qualified individuals with a disability who are students, employees, or applicants for employment. TSU will adhere to all applicable state and federal laws, regulations and guidelines with respect to providing reasonable accommodations as required in an effort to offer equal opportunities to qualified disabled individuals. The provost and the dean of students will review this policy on an annual basis and forward any recommendations for revisions to the Human Resources Department.

B. Introduction

The Americans with Disabilities Act (ADA) of 1990 mandates equal opportunities for persons with disabilities in all public facilities, programs, activities, services and benefits derived from them. Section 504 of the Rehabilitation Act of 1973, as amended, mandates equal opportunity for qualified persons with disabilities in all programs, activities and services of recipients of federal financial assistance. Both the ADA and Section 504 are civil rights statutes which prohibit discrimination on the basis of disability, obligate colleges and universities to make certain adjustments and accommodations, and offer to persons with disabilities the opportunity to participate fully in all institutional programs and activities.

Section 504 states "a handicapped person is anyone with a physical or mental impairment that substantially impairs or restricts one or more major life activities, such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning and working."

For federally assisted programs or activities operated by post-secondary education recipients, the specific obligations with regard to handicapped or disabled students, faculty or staff, include but are not limited to the following:

- All programs and activities must be offered in the most integrated setting appropriate.
- Academic requirements must be modified, on a case-by-case basis, to afford qualified handicapped or disabled individuals an equal educational and/or work opportunity;
- A recipient may not impose upon disabled individuals rules that have the effect of limiting their participation in the recipients' education program or activity; for example, prohibiting tape recorders in classrooms or guide dogs in campus buildings.
- Students with impaired sensory, manual or speaking skills must be provided auxiliary aids such as taped texts, interpreters, readers and classroom equipment adapted for persons with manual impairments.

Texas Southern University provides all educational and other university-sponsored programs and activities to persons with disabilities in the most integrated setting appropriate. Students, employees, applicants and other individuals with disabilities served by TSU are not segregated, separated or treated differently. TSU does not require persons with disabilities to take advantage of all adjustments, accommodations or special services.

C. Scope

This policy applies to students, staff, faculty, job applicants, and other beneficiaries of the programs, services, and activities of TSU.

D. Definitions

1. **ADA/Section 504 Coordinator.** The University's Employment Compliance Officer acts as the ADA/Section 504 Coordinator for faculty, staff and students and ensures the University's compliance with relevant federal and state laws regarding the ADA.
2. **Disability.** A disability is defined as a physical or mental impairment that substantially limits one or more major life activities.
3. **Qualified individual with a disability.** An individual who has a physical or mental impairment as defined above, has a record of such impairment, or is regarded as having such impairment, who possesses the requisite skills, education, experience and training for a position, and who can, with or without a reasonable accommodation, perform the essential functions of the position the individual desires or holds.
4. **Reasonable Accommodation.** A modification or adjustment to the job application process or the work or academic environment that enables a qualified person with a disability to be considered for a position, perform the essential functions of a position, or enjoy the same benefits and privileges of employment and academics as are enjoyed by similarly situated employees or students without disabilities. Reasonable accommodations include, but are not limited to modifying written examinations, making facilities accessible, adjusting work schedules, restructuring jobs, providing assistive devices or equipment, providing readers or interpreters, and modifying work sites.
5. **Substantial limitation.** An impairment that prevents the performance of a major life activity that the average person in the general population can perform, or a significant restriction as to the condition, manner or duration under which an individual can perform a particular major life activity as compared to the average person in the general population.
6. **Undue hardship.** An action that is unduly costly extensive, substantial, disruptive, or an act that would fundamentally alter the nature or operation of the business. An "undue hardship" is determined in accordance with the Americans with Disabilities Act (ADA), the Texas Commission on Human Rights Act, and relevant case law. Factors to consider in determining whether or not an accommodation would impose an undue hardships include, but are not limited to, the nature and cost of the accommodation, financial considerations, the impact of the accommodation upon the nature and operation of the department and how the request affects the health and safety of other employees or students.

E. Information

Any communications from the University concerning ADA and Section 504 related information shall be made accessible to all students and employees. This term includes student and employee policies, procedures, emergency evacuation plans, and other related information that shall be published in the student course selection booklet, student catalogs and handbooks, employee handbooks, and the University's Staff Operating Manual.

F. ADA Oversight Committee

The ADA oversight committee has been charged by the president with overseeing all aspects of the University's compliance with ADA laws. The members of the committee serve for a term of two (2) years. The president may appoint new members at the expiration of the two year term. Representation will include an individual from the Office of the General Counsel, Student Affairs, and Human Resources, as well as the Thurgood Marshall Law School, Maintenance and Operations, and Department of Special Events. Also included are three members from the student and faculty body, totaling nine (9) members for the ADA Oversight Committee.

The Oversight Committee will ensure that TSU makes such modifications to its campus, classrooms and testing requirements as are necessary to ensure that such requirements do not discriminate or have the effect of discriminating on the basis of disability. Specifically, the procedures will address the following:

1. certifying that an individual has a disability;
2. undertaking reasonable steps to obtain a professional determination of whether or not academic adjustments/auxiliary aids are necessary and if they are, what kind;
3. determining, on an individual basis, what academic or workplace adjustment(s)/auxiliary aid(s) TSU will grant and ensuring that the academic or workplace adjustment(s)/auxiliary aid(s) granted is/are of an acceptable level of quality and effectiveness for each student/employee making such a request on the basis of a disability;
4. providing students/employees a justification for denial of an academic or workplace adjustment/auxiliary aid or for the selection of another academic or workplace adjustment/auxiliary aid if the provided academic or workplace adjustment/auxiliary aid is different from that requested by the student/employee;
5. providing students/employees a reasonable opportunity to submit additional information to TSU if their initial documentation does not support the request for academic or workplace adjustments/auxiliary aids; and
6. ensuring that decisions regarding requests for academic or workplace adjustments/auxiliary aids are made in a timely manner.

G.ADA/Section 504 Coordinator

The University's ADA/Section 504 Coordinator, in conjunction with the ADA Oversight Committee and ADA Hearing Committee, is responsible for ensuring that the University is in compliance with all applicable state and federal laws regarding the ADA and responding to requests for information from outside agencies regarding ADA concerns and/or complaints.

H. ADA Hearing Committee

The ADA Hearing Committee is responsible for hearing all ADA complaints submitted by students or employees. The Committee is composed of three students, two faculty members and two administrator/staff members. The two faculty members who serve on the Committee shall be appointed by the Faculty Senate at the beginning of the academic year and shall serve for the entire fiscal year (September 1 – August 31). One of the faculty members or administrator/staff members shall serve as Chair of the Committee.

I. ADA Building Representative

A designated representative in each building (Hannah Hall, Bell, Fairchild, School of Business, Library, Student Center, etc.) serves as the point-of-contact for all ADA and Section 504 accessibility issues. That individual is responsible for ensuring that all residents in the building are properly notified regarding ADA and Section 504 announcements and emergency evacuation plans. The representative also works with the Maintenance and Operations Department to ensure that the buildings that the University owns and/or operates are maintained within the standards of compliance required by the relevant provisions of the ADA and Section 504.

PROCEDURES FOR REQUESTING ACCOMMODATIONS

A. Introduction

All offices and individuals responsible for reviewing and analyzing the request shall maintain the confidentiality of all medical and ADA information. Records and information obtained about employees as part of a request for accommodations shall be maintained in a secure location in the ADA/Section 504 Coordinator's office. Student records and information obtained on students as part of an accommodations request shall be kept in a secure location in the Office of Disabled Student Services (ODS). All information shall be kept confidential, to the extent allowed by law, and shall be shared on a limited need-to-know basis to implement the accommodation request.

The University may, at the University's expense, request an independent medical opinion concerning the impairment for which an employee or student seeks an accommodation. This decision is based on a number of factors, and each case is assessed individually. Failure of an employee or student to cooperate in obtaining such an opinion will result in the cancellation of the request for accommodation.

B. Student Requests

Students requesting eligibility for accommodations and services may initiate this request for accommodation(s) by contacting the Office for Disability Services (ODS) in the Student Health Center. Students will be required to provide a recent medical statement that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Records and information obtained about our students as part of an accommodations request shall be kept in a secure location in the Office of Disability Services (ODS). Students may be asked to submit additional medical information if the information previously provided is incomplete, outdated, unclear, or inconsistent according to the guidelines set forth by the ODS.

All documentation and information submitted with a request for accommodations shall be reviewed and considered by the University. The University may consult with an outside expert, who will assess the request and make recommendations for modifications. If a student is dissatisfied with the determination on accommodations, he or she may initiate a request for reconsideration with the ODS and may be required to submit additional information. The ODS and/or its consultant will review the determination and consider any additional information. The ODS will then issue a written notice regarding the outcome of reconsideration of the student's request. If a student remains dissatisfied with the determination, he or she may file an ADA complaint under the procedures outlined in Section II below.

ODS is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call ODS at 713-313-4210, either to make an appointment or to obtain additional information.

C. Staff/Faculty Employee Requests

Staff/faculty employees of TSU may request an accommodation by notifying the ADA/Section 504 Coordinator in writing stating the nature of their disability and the accommodation requested. Employees may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Employees may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the employee does not provide the required documentation and information within thirty (30) days, the request for accommodations may be cancelled for lack of necessary information.

In the event that a supervisor receives a request for accommodation, the supervisor shall immediately notify the ADA/Section 504 Coordinator so that the request may be processed in a timely manner. Any supervisor who, in the course of job performance counseling, is informed by an employee that a physical or mental condition may be affecting the employee's work performance shall refer the employee to the ADA/Section 504 Coordinator.

The ADA/Section 504 Coordinator will analyze the request and confer with the employee and the supervisor to ascertain the employee's requirements and input on a reasonable accommodation and make a determination regarding which accommodations are necessary. If the employee is unable to demonstrate a disability or does not request a reasonable accommodation under the guidelines set forth in this policy, the request may be denied.

Employees or supervisors may obtain information concerning disabilities and accommodations from the ADA/Section 504 Coordinator in the Office of the General Counsel. Employee requests for information and the provision of information by an Office of General Counsel staff member concerning disabilities and accommodations is not considered a part of the accommodation process.

D. Job Applicants

Applicants for employment may request accommodations by contacting the Office of Human Resources in Hannah Hall 126, the department in which they will be interviewing, or the chair of the search committee, when applicable. Upon receipt of a request, the chair of the department or search committee shall immediately notify the Office of Human Resources or the ADA/Section 504 Coordinator regarding the request. If the Office of Human Resources receives a request, the request should be forwarded to the ADA/Section 504 Coordinator, who will assist the Office of Human Resources in determining what reasonable accommodations may be offered to a potential job applicant.

Applicants may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Applicants may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the applicant does not provide the required documentation and information within thirty (30) days, the request for accommodations may be cancelled for lack of necessary information.

E. Beneficiaries of Programs, Services and Activities

Beneficiaries of programs, services and activities may request accommodations by contacting the department or organization hosting the event, program, or activity. A designee of the event, service, or activity shall immediately notify the ADA/Section 504 Coordinator regarding the request. The ADA/Section 504 Coordinator shall determine, on a case-by-case basis, what reasonable accommodations may be offered.

Individuals may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Individuals may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the individual does not provide the required documentation and information within a reasonable time prior to the event, service, or activity, the request for accommodations may be cancelled for lack of necessary information.

COMPLAINT AND HEARING PROCEDURE

A. Purpose

The purpose of this procedure is to provide the primary process for addressing student and employee complaints based on disabilities under the ADA and Section 504 of the Rehabilitation Act of 1973. Texas Southern University has adopted an internal complaint procedure providing prompt and equitable resolution of complaints alleging any action prohibited by Title II of the ADA and/or Section 504 of the Rehabilitation Act. Any individual who believes he or she was denied a reasonable accommodation or received insufficient accommodations in violation of this policy or disability laws may file an ADA complaint with the appropriate University official.

B. Complaints

All student ADA complaints should be addressed to the

Dean of Students
TSU Office of Student Services
Student Recreation Center, Room 212
3100 Cleburne
Houston, Texas 77004
(713) 313-1038

All other ADA complaints should be addressed to:

ADA/Section 504 Coordinator
Texas Southern University
Office of General Counsel
3100 Cleburne Avenue
Hannah Hall, Suite 310
Houston, Texas 77004
(713) 313-7950

C. Complaint and Hearing Procedure

1. A complaint should be filed in writing, contain the name, address and telephone number of the complainant, and briefly describe the alleged violation of the regulations. The complaint should be filed within thirty (30) days after the complainant becomes aware of the alleged violation.
2. After receiving an ADA complaint, the University's ADA/Section 504 Coordinator shall schedule a hearing before the ADA Hearing Committee and submit a copy of the complaint and any other relevant documents to the committee. The hearing shall be scheduled within twenty-one (21) days from the date the ADA/Section 504 Coordinator receives the complaint.
3. The hearing shall consist of opening statements, if desired, by the complainant, the institution or their representatives, and testimony by any witnesses called by the complainant or the institution. During the hearing, both parties and the members of the ADA Hearing Committee shall have the right to question witnesses and introduce any relevant exhibits to the committee. The complainant shall have the responsibility of presenting relevant facts and circumstances to establish the validity of the complaint. Formal rules of evidence will not apply during the hearing. The proceeding shall be non-adversarial in nature.

4. The Chairperson shall control the hearing and take appropriate action to ensure an equitable, orderly, and expeditious hearing. As presiding officer, the Chairperson may remove anyone not complying with the rules and/or disrupting the hearing. Witnesses will be heard one at a time and may be excused from the hearing by the Chairperson after testifying.
5. At least ten (10) working days prior to the hearing, either party may request in writing that the proceedings be tape-recorded. At the conclusion of the testimony, both parties will be permitted to make a closing statement. Following the hearing, the Hearing Committee will retire to deliberate and will submit a written report of its recommendations to the ADA/Section 504 Coordinator within seven (7) days after hearing the complaint.
6. The complainant may request an appeal of the case in instances where he or she is dissatisfied with the resolution. The request for an appeal should be made within five (5) business days of receiving the decision of the Hearing Committee to:

ADA/Section 504 Coordinator
Texas Southern University
3100 Cleburne Ave.
Hannah Hall, Suite 310
Houston, Texas 77004

D. Appeals

The Dean of Students shall appoint the ADA Appeals Committee to hear appeals related to the ADA and Section 504. The Appeals Committee is composed of three students, two faculty members and two administrators/staff members. A faculty member or administrator/staff member shall serve as Chair of the Appeals Committee. The ADA Appeals Hearing shall be conducted in accordance with the hearing proceedings outlined in Section C above. Upon completion of the appeal, a copy of the final resolution resulting from the complaint procedure shall be provided to the ADA Coordinator who will notify the appropriate persons in the department where the violation has occurred.

SUBSTANCE ABUSE PREVENTION, EDUCATION AND INTERVENTION PROGRAM (SAPEI)

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the work force. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU’s Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students, among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances (e.g., National Collegiate Alcohol Awareness Week, health fairs, etc.). It also co-sponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7804, either to make an appointment or for additional information.

OFFICE OF CONTINUING EDUCATION (OCE)

OVERVIEW

The role of the College of Continuing Education is to provide programs and services that affirm the community service element of the University’s mission. Operationally, the Office of Continuing Education is Texas Southern University’s administrative unit for delivering non-credit courses. More specifically, this academic unit is designed to meet identifiable community needs in lifelong learning and professional development by providing educational opportunities for all citizens.

MISSION STATEMENT

To act as an agent through which our community may acquire continued knowledge and skills that enhance their ability to enter and remain fully engaged in the job market and enjoy lifelong learning.

ADMISSION INFORMATION

Applicant demographics include:

- TSU students seeking (the online function resides in a different part of the university, and COCE simply taps into that) alternative pathways to degree completion, especially where online options exist
- Working students seeking professional and/or personal enrichment
- Working students seeking non-traditional, evening and weekend-course offerings
- Military personnel and veterans seeking to utilize their educational benefits

An applicant's eligibility to enroll in the Weekend College credit courses is governed by the same criteria for admissions into the University and the following criteria:

- An earned high school diploma or GED
- No active scholastic or disciplinary dismissal from any institution of higher education
- Completion of the prerequisites listed for the course for which the student intends to register (see Course Prerequisites as specified by departments)
- Satisfactory completion of the THEA requirements (if applicable)
- Good financial standing, including no active holds with the University

DEGREE OFFERINGS

The course offerings for the Weekend College now lead to a Bachelor of Arts in General Studies.

OTHER TYPES OF OFFERINGS

Continuing Education Units

Texas Southern University's Office of Continuing Education (OCE) is committed to establishing and fostering relationships with organizations that share its commitment to the community by offering or partnering in conferences and/or workshops in which the OCE will offer CEU credits. To this end, the following parameters must be addressed:

- Submission of a letter of request along with a complete copy of the conference/workshop information.
- Submission of a copy of the biographical information of the presenter(s), including licenses and degrees held.

In the event the Office of Continuing Education agrees to issue CEUs for a conference/workshop, it must receive the following:

- A copy of the conference/workshop sign-in sheet for the day(s) of the event.
- The total contact hours to be offered.
- A list of names for the certificates along with the contact hours and CEU units to be issued per CEU participant.

The OCE will offer a wide variety of workshops and educational seminars for Continuing Education Unit (CEU) credits.

Certificate Programs and Preparation for Professional Qualifications

Pharmacy Technician Program

This comprehensive 50 hour course will prepare students to enter the pharmacy field and to take the Pharmacy Technician Certification Board's PTCB exam. Course content includes medical terminology specific to the pharmacy, reading and interpreting prescriptions and defining drugs by generic and brand names. Students will learn dosage calculations, I.V. flow rates, drug compounding, dose conversions, dispensing of prescriptions, inventory control, billing and reimbursement.

Dental Assistant Program

The dental assistant program covers key areas and topics exposing students to both classroom and hands-on instruction. The classroom instruction reviews the necessary anatomy, terminology, legal and ethical issues as well as the policy and guidelines necessary to understanding the scope of practice and the practical aspects of dental assisting. Topics include: instrument identification, equipment maintenance, tooth structure and oral cavity anatomy, dental anesthesia, sterilization, and charting. Program includes: review of tooth charting, restorations, bridge implants, bitewing, panoramic, and periapical x-ray and the mixing of dental cements.

Additionally, this 100 contact hour course includes a CPR certification course and covers the relevant material necessary to prepare students to take the State of Texas “TSBDE” Dental Assisting exam offered throughout the State of Texas.

Customer Service Certification Program

Customer service has become the major differentiating factor in the competitiveness of businesses. Texas Southern University is already playing an important role in showing the Houston business community the benefits of good customer service training through programs offered to executives, management level personnel and frontline employees. The OCE provides the opportunity to obtain a customer service certification issued by Texas Southern University. Certification will require attending a two-day course along with satisfactory completion of a summative assessment. All successful participants will be issued an official Texas Southern University certificate.

Certified Project Manager Program

Considering that 75% of all projects fail due to poor project management, PMPs are considered mission critical organizational assets by the companies that employ them. Recently, the federal government mandated any projects receiving government funding need to have certified project managers and most businesses in every industry with any level of success require their project managers to be certified. Certified project managers understand how to set up and execute projects so they are completed on time, use less resources to do so, better manage the risks encountered, and achieve a far better outcome. A person who holds the globally recognized credential of the Project Management Professional (PMP) or the Certified Associate of Project Management (CAPM) as awarded by the Project Management Institute through the OCE is highly sought after. Even during the toughest economic downturns, corporations continue to hire project managers.

Conversational Spanish Courses

There is a real need among residents of this state in which over 25% of the population speaks Spanish as their first language, for those in the services sector to have a working knowledge of Spanish. People with even a minimal level of understanding enhance their chances of getting hired into key positions. Through the OCE this course will offer students the following:

- The ability to save time and money with an increased understanding of a client’s or customers’ native language.
- A chance to create more opportunities for professional development.
- A better cultural understanding of Spanish speaking individuals.
- An even better understanding of English as many English words have Latin roots.

Enrichment Programs

For more than two decades now, the OCE has run an ever popular and highly sought after Youth Enrichment Program (YEP). The OCE is now expanding its offerings in that area, by broadening the mix of programs for youth and also making available new enrichment programs intended for the adult population. Listed below are examples of the major ones.

Youth Enrichment Program

In existence since 1997, the YEP is a six-week comprehensive academic/recreational program for elementary and secondary school students. The program offers core academic courses (reading, math, and science) as well as recreational classes designed to promote self-esteem and self-improvement. YEP provides students with specific class offerings to help reinforce academic and social skills for the next school year. All academic classes are taught by certified teachers from the greater Houston area and selected college professors from TSU.

In a continuous effort to meet community needs, the OCE may offer new certificates and/or enrichment and recreational programs that may not be listed above. Please contact the OCE at 713-313-7224 to receive updated information.

THOMAS F. FREEMAN HONORS COLLEGE

In our global community in which the future of each society is linked to the future of the other, the Thomas F. Freeman Honors College at Texas Southern University has an essential commitment: preparing the next generation of citizens and leaders of the world.

At the foundation of the Honors College is the recognition of the power of education in the cultivation of this new generation. The College has developed a program that combines a strong foundation in the liberal arts and sciences; optimum achievement in an academic, artistic and/or professional specialty; and the enrichment of the foundations and achievement with preparation for a career, further study, and global citizenship and leadership.

The product of this education is a graduate who is accomplished in his or her specialty; is connected and dedicated to his or her principal community; is well integrated into the national and global communities; secures the best from and contributes the best to each of these communities; and supports and leads the integration of them.

GUIDING PRINCIPLES

The Thomas F. Freeman Honors College upholds the motto of Texas Southern University: Excellence in Achievement. The College also seeks to make its own stamp on the character of its students by requiring them to hold five major Core Values – Honesty, Integrity, Creativity, Excellence and Community.

In addition, the College seeks to cultivate students into observers of the principles that guided relationships in one of the greatest civilizations of ancient times and should guide relationships today. These Seven Principles for the Age of Globalization and Globalism include Truth, Justice, Propriety, Harmony, Balance, Order and Reciprocity.

The Core Values give focus and direction to the achievement of Excellence by students within themselves. The Seven Principles give focus and direction to their achievement of Excellence in their relationships.

EXPECTATIONS OF SCHOLARS

Students must meet a number of expectations to maintain their status as scholars in the College and to continue to receive assistance from it. These expectations are in academic performance, College participation, and personal conduct.

Each semester, students must pass at least 15 semester credit hours with a C or better (with a grade of B or better in Honors College program courses), achieve a semester grade point average of at least 3.25, and maintain an overall grade point average at least 3.25. They also must attend the co-curricular and other activities the College organizes or endorses. In addition, they must uphold the Core Values in individual behavior, and observe the Seven Principles in their relationships with people in all arenas – the College, University, local, national and global communities.

COLLEGE ACADEMIC PROGRAM

The Thomas F. Freeman Honors College has developed a cutting-edge academic program that combines strong institutional foundations; an Honors College core that includes three themes and computer skills; accomplishment in an academic, artistic and/or professional specialty; and integration of the foundations, the core, and the specialty in an end-of-program activity that forms a bridge to a career, further study, and global citizenship and leadership.

The institutional foundations come from the general education curriculum of the University. They emphasize the fundamentals in such areas as language, mathematics, science, the arts and humanities, and the social sciences.

The Honors College core includes three themes, as well as computer skills, specifically designed to prepare students for their roles as educated and engaged global citizens and leaders.

The Interdisciplinarity theme includes multidimensionality (the understanding of the many aspects of subjects) and interdisciplinarity (the integration of insights from many specialties in the understanding of subjects). The Local/National/Global theme has a focus on the simultaneous location of subjects (people, phenomena or ideas) within integrated local, national and global contexts. The Ethics/Aesthetics/Philosophy theme includes ethical, aesthetic and philosophical ideals (including the Seven Principles for the Age of Globalization and Globalism) that may guide study and life.

The academic core also includes special computer skills: the utilization of computers in research; the preparation of multimedia reports, presentations and portfolios; and the dissemination (using traditional contemporary means) of these reports, presentations and portfolios.

In their specialties at the junior and senior levels, students apply the ideas and skills of the Honors College core, thus exceeding the command of their specialties that their non-honors peers may achieve.

The end-of-program activity includes an internship or a research/creative/professional project. The results students produce – their academic reports, creative works, or professional productions – help them in their pursuits of career opportunities, as well as in their applications for admission into graduate or professional programs.

The outputs from the project or internship also allow students to demonstrate their abilities as young professionals who are accomplished in their specialties, committed to their local communities, well integrated into their national and global communities, and observing of the Seven Principles for the Age of Globalization and Globalism.

The Thomas F. Freeman Honors College continues to develop the course and progression requirements of scholars in its program. These details are on the Web site of the College, at <http://www.tsu.edu/honorscollege>.

ADMISSION REQUIREMENTS

Since it is one of the premier units in Texas Southern University, the Thomas F. Freeman Honors College has special requirements for admission, retention and graduation. The requirements for admission reflect the emphasis on Excellence in Achievement in the College in particular and the University in general.

High school seniors who seek admission into the College, at a minimum, should have:

- a Grade Point Average of 3.5 or higher (on a 4.0 scale); and, ideally,
- an ACT composite score of 23 or above but preferably 24 or above, with at least 19 in each of the Verbal and Mathematics sections on the same test date; or
- an SAT combined score of 1070 or above but preferably 1200 or above in Mathematics and Critical Reading, with at least 500 in each of these subjects on the same test date.

The College may offer conditional admission to high school applicants who meet the GPA requirements but not the SAT or ACT requirements, but these students must meet requirements for the regular admission of continuing TSU freshmen at the end of their first year at the University.

Students continuing in or transferring to Texas Southern University, at a minimum, should have:

- (a) achieved a GPA of at least 3.5 overall, and in each of the two semesters before they enter the College;
- (b) passed at least 15 college credit hours, with a C or better in each course, in each of the two semesters immediately before they enter the College.

High school, continuing or transfer students submit applications directly to the College. Those who meet College requirements receive offers of admission into the College only after they receive admission to the University.

APPLICATION PROCEDURE

Students should be careful to submit the application information and materials appropriate to them.

High school seniors should submit the following:

- (a) the completed application form, available at <http://www.tsu.edu/honorscollege>;
- (b) copies of their high school transcripts (official copies go to the Office of Admissions with their applications for admission into Texas Southern University);
- (c) copies of their ACT or SAT score reports;
- (d) three recommendations (in sealed envelopes) – from teachers in English, Mathematics and one of the sciences;
- (e) an essay (about 300 words) on why they wish to study at, and receive financial assistance from, the College.

Continuing and transfer students should submit the following:

- (a) the completed application form, available at <http://www.tsu.edu/honorscollege>;
- (b) their unofficial transcripts (obtained from the web sites of their universities);
- (c) an essay (about 300 words) on why they wish to study at, and receive financial assistance from, the College.

Applicants should send materials to the Administrative Assistant for Admissions, Thomas F. Freeman Honors College, Robert J. Terry Library, Lower Level, Texas Southern University, 3100 Cleburne Street, Houston, TX 77004.

The application deadlines are: for high school seniors, March 15⁴; for continuing and transfer students, May 31.

HONORS COLLEGE SCHOLARSHIPS

The Thomas F. Freeman Honors College uses the limited funds at its disposal to award scholarships to its students. For these competitive awards, students should submit their application forms and supporting documents early, and before their respective application deadlines. They also should make sure that their personal statements and letters of recommendation make strong cases for their receipt of the awards. In addition, students who seek scholarships from the Honors College should expect to receive consideration for these scholarships only after they have submitted their completed Free Application for Federal Student Aid (FAFSA) forms. For current information, consult the College web site at <http://www.tsu.edu/honorscollege>.

In addition to awards from the Honors College, students may secure help from a number of other sources.

A. For residents of Texas, state sources include:

1. the Texas Grant, which, in general, pays for tuition and fees; and
2. the Top Ten Percent Scholarship, for applicants in the top 10 percent of their graduating classes.

B. For residents of all states, sources include the federal Pell Grant and private philanthropic organizations. The Honors College also may recommend that non-resident students receive out-of-state tuition waivers (about \$9,300 for students taking the minimum of 15 credit hours the College requires students to take each semester).

Honors College students also may apply for awards from their academic units, and from specialized programs such as Athletics. Details are at <http://em.tsu.edu/financialaid/scholarships/departmentscholarships.php>.

The total value of the scholarship and financial aid packages students receive depends on the number of sources from which they seek awards and the information they provide to these sources. Students who seek scholarships from the College must fill out and submit the Free Application for Federal Student Aid (FAFSA) form, because the sizes of their total packages depend on information they provide in the FAFSA. It also is extremely important that they use all available sources of financial assistance. For information on these sources, visit the web site of the Office of Student Financial Aid at <http://em.tsu.edu/financialaid/index.php?submenu=aid>.

Admission and Assistance Application Procedure

Students receive financial assistance from the College after they receive admission into the university and the College. They ideally would file their applications for the assistance from the College at the time they file their applications for admission into the College.

Students attending high school or another college or university, who meet admission requirements of the College, follow these steps:

- a. apply for admission into the university;
- b. receive an offer of admission from the university;
- c. receive an invitation to apply for admission into the Honors College (not absolutely necessary);
- d. submit the special application for admission into and assistance from the College;
- e. receive responses to their applications for admission (and for assistance) from the Honors College.

Freshmen attending Texas Southern University gain admission into the College through these steps:

- a. receive an invitation to apply for admission into the Honors College (not absolutely necessary);
- b. submit the special application for admission into and assistance from the College;
- c. receive responses to their applications for admission (and for assistance) from the Honors College.

Admission and Scholarship Deadlines and Priorities

The Honors College gives the greatest priority to admitting and supporting first-semester freshmen who enter the college immediately after their senior year in high school – especially those who apply for Honors College admission and Honors College assistance before March 15. The College considers admitting other students and providing assistance to them only after it has offered admission and given awards to high school seniors.

Conditions of Acceptance of Awards

A student receives a scholarship through the Thomas F. Freeman Honors College with certain conditions. One is that the student should first enroll in Texas Southern University in the fall semester of the academic year the scholarship covers. Another arises from financial aid policies: Federal and state financial aid programs require that students not receive financial aid in excess of their financial need, as determined by the Free Application for Federal Student Aid (FAFSA), which all applicants should fill out and submit. The University considers the Honors College scholarship to be part of a total financial aid package. Thus, the Office of Student Financial Assistance will determine whether the award from the Honors College necessitates a revision of the financial aid package. This revision may result in the adjustment of the Honors College award.

FACULTY ADMINISTRATORS IN THE HONORS COLLEGE

<p>Freeman, Thomas F. Dean, Emeritus (Professor, Dept. of Psychology) B.A., Virginia Union University B.D., Andover-Newton Theological School Ph.D., University of Chicago</p>	<p>Batiste-Roberts, Gloria Interim Coordinator of Student Services and Community Relations B.A., Texas Southern University M.S.W., Howard University School of Social Work Dr. P.H., University of Texas School of Public Health</p>
<p>Jemison Pollard, Dianne F. Associate Dean for Academic Affairs (Professor, Dept. of Visual and Performing Arts) B.A., Fisk University M.A., University of Wisconsin M.F.A., The Catholic University of America Ed.D., Texas Southern University</p>	<p>Miranda, Hector C. Interim Assistant Dean for Academic Affairs (Associate Professor, Dept. of Biology) B.S., University of the Philippines at Los Banos M.S., University of the Philippines at Los Banos Ph.D., University of Cincinnati</p>
<p>Ratliff, Candy H. Assistant Dean for Student Services (Assistant Professor, Dept. of Counselor Education) Certificate, Cyril Potter College of Education B.A., Texas Southern University M.A., Texas Southern University Ed.D., Texas Southern University</p>	<p>Regis, Humphrey A. Dean (Professor, Department of Journalism) Certificate, Saint Lucia Teachers College B.A., University of the District of Columbia M.A., University of Maryland at College Park Ph.D., Howard University (Mass Communication)</p>

THE ROBERT JAMES TERRY LIBRARY

The Robert James Terry Library supports the academic and research mission and vision of the University through the development of relevant resources and educational services designed to enhance and facilitate learning and research, as well as promoting information literacy and equipping 21st century individuals to be lifelong learners in the information age. The library's knowledgeable and experienced staff is dedicated to providing reference and research assistance, consultation and instruction.

The principal research resources consist of an extensive collection of print materials, media and microform resources covering a breadth of subjects to support curriculum instruction and research. In addition, an impressive collection of web-based electronic research resources are also available. Continuously increasing access to electronic resources, the library provides over 260 electronic databases accessing over 79,557 full text e-journals with additional electronic databases accessing over 100,735 e-books. Most of these electronic databases are accessible from off campus and through electronic mobile devices. To augment study, a number of closed study rooms, individual study carrels, and collaborative study areas are provided on most floors. With the exception of Special Collections, the library maintains open stacks. Materials are classified using the Library of Congress Classification System as presented on the Library of Congress website.

The five-story Terry Library provides six major public access service areas: Reference, Circulation/Reserve, and Special Collections on the first floor; the Serials Department on the second floor; the Learning Resources Center on the third floor and the Business and Economics Library on the fifth floor. A Pharmacy Reading Room is located on the first floor of the Gray Hall pharmacy building.

The Library has four Circulating Collections. All materials classified according to the Library of Congress Classifications A-K are located on the third floor; Classifications L-Z are located on the fourth floor; Classifications HB-HJ are located in the Business and Economics Library on the fifth floor; and the paperback collection is located on the first floor in the Heartman Collection. Non-circulating media resources and equipment, along with a media viewing room are located on the third floor in the Learning Resources Center.

The Terry Library has a link on the Texas Southern University website. Access all library resources from the library's webpage at http://www.tsu.edu/academics/Robert_J_Terry_Library/CatalogsDatabases.php. Within the library, online public access terminals are located on the first floor in the Catalog Alcove, on the second floor in the Serials Department, and on the fifth floor in the Business and Economics Library.

Services provided by the Terry Library include: bibliographic instruction, information literacy instruction, Ask A Librarian, information services, borrowing, faculty reserves, My Account, and interlibrary loan and document delivery. Distance Learning Services (See Terry Library webpage) and reciprocal borrowing from TexShare libraries are available for currently enrolled students, and faculty and staff. Individuals are eligible to borrow materials directly from most Texas state colleges and universities. Additional information regarding this service may be obtained from the Terry Library Circulation/Reserve Desk (713-313-7148). Other services offered include photocopying; free scanning; laptop computing; lockers; and services for persons with disabilities. For more information (See Terry Library web page or contact the Reference Desk at 713-313-7402)

Finally, one of the unique features of the Library is its Department of Special Collections, housing the "treasures" of the University. These unique holdings provide a varied repository of collections with international significance. The collections include **The Barbara Jordan Archives, The Traditional African Art Gallery, The Heartman Collection on African American Life and Culture, and The University Archives.**

THE OFFICE OF INFORMATION TECHNOLOGY (OIT)

The Office of Information Technology (OIT) managed by Texas Southern University provides a robust, cost-effective, user-friendly and secure information and instructional technology environment for the University community in support of the institution's vision, mission and core values. The office also has organized information technology support throughout the University to provide the leadership, guidance and technical skills required to establish and support the information technology architecture and accompanying services.

Its mission has been accomplished by taking a leadership role in university-wide strategic planning for information systems, creating user involvement, and recommending innovative uses of technology to meet the needs of the University. The OIT office works to expand and enhance the quality and quantity of information technology services. These services include administrative computing, Web content management services, database administration, network services, and the management of the University's customer service support. Additionally, it plays a vital role in facilitating the University's utilization of technology to improve services to the public at the lowest cost. OIT responsibilities related to these services fall within the following domains:

- **Information Technology Staff.** The Office of Information Technology includes Ellucian on-site staff, Ellucian corporation support, and University administrative staff.
- **Information Technology Resources.** OIT maintains information on supported hardware, software site licenses, cost-savings opportunities, customer service support, Web content management services, user group activities, project management, and training. The Office also works with consultants to identify and provide appropriate IT information to meet campus needs.
- **Infrastructure Services.** Infrastructure services are an array of utility, back office or foundation services including data, voice and video distribution networks, and administrative applications, which benefit institution-wide coordination.
- **Consulting and Expert Liaison.** OIT provides advice and consulting service on the implementation and use of computing, Web, and communication technologies. Departmental collaborations establish a pipeline for technical leadership and expertise in emerging technologies.

User Services

Telecommunications and Network Services, sub-units of Network Communications, have the primary responsibility of maintaining the administrative Sun/Solaris clusters and campus network (which includes LAN, WAN, and VPN), resolving operating system issues, maintaining PBX services, installing phone lines, setting up user accounts, resolving network performance problems, providing analysis and recommendations on new or emerging technologies, and providing planning assistance to campus management and the governance committee on information resource issues.

Specific user services are also provided directly to the user. This unit is divided into three areas: Customer Service Support, Academic Computing, and Desktop Support. The services provided include user customer service support, desktop support, training, documentation preparation, and evaluation and recommendation of desktop computing solutions.

Customer Service Support serves as the central contact point for users regarding academic and administrative information systems, networking, data communications, and desktop computing. Academic Computing is responsible for planning, implementation, and support of the computing needs for the academic units of the university. Specifically, it provides assistance in selection and implementation of appropriate personal computer hardware and software needed for faculty, students, and academic offices.

The Academic Computing area also provides on-going training for faculty and staff. This training is provided every academic semester and involves the use of existing equipment to perform tasks using software packages found in the TSU computing environment. Similar training is also provided to students and involves skill development in these same areas. Academic Computing also assists faculty members in the instructional environment. Specifically, it provides training to students within the classroom environment on the use of discipline-specific technology. This mainly includes both hardware and software use.

Web Services

The Office of Information Technology manages the University corporate Web presence through its Web Services Division, which includes hosting, security, software licenses, maintenance, technical support, content management training, project management, Web development, and contract oversight.

THE TSU OFFICE OF VETERAN AFFAIRS (OVA) AND TSU RESOURCE CENTER (VRC)

The Office of Veteran Affairs and Veterans Resource Center functions as part of the Division of Student Services and supports the educational process of servicemen/women and veterans of the Armed Forces of the United States, their spouses and/or dependents whom are eligible for educational benefits at the University. Basic educational eligibility requirements include the DD214 (Copy 4), Joint Services Military Transcript (JST), and Certificate of Eligibility (COE) from the Department of Veterans Affairs. The Center's primary mission is providing counseling and assistance to facilitate acquiring educational benefits from the Veterans' Administration (VA) and Texas Veterans Commission (TVC) programs and advisement for the Reserve Officers' Training Corps (ROTC) Programs of the U.S. Army, U.S. Air Force, U.S. Navy, and U.S. Marine Corps in connection with the Houston Corps of Cadets.

The Veterans Affairs Resource Center (VRC) (ICW SB 1538) provides numerous programs to assist with the transitional processes involved with our returning veterans and their families. TSU also has a certified post-traumatic stress disorder (PTSD), military sexual trauma (MST) and traumatic brain injury (TBI) facilitator in the Center along with assistance from the University Counseling Center and pending partnership with the PTSD Clinics at Riverside and the VA Medical Hospitals. Opportunities exist for employment with the VA Federal Work-study program and career resources through the TSU Career Services Department. Community Service projects also exist yearly along with the TSU Student Veterans of America (TSUSVA) chapter. To inquire about any benefits, programs, or resource assistance, please contact us at (713)-313-7862/7327 or via e-mail at veteransaffairs.tsu.edu or johnsont@tsu.edu. You may also find information at www.tsu.edu/veteransaffairs, TSU Office of Veterans Affairs Facebook page and TSUOVA Twitter account or through the Department of Veterans Affairs website at www.va.gov.

Affiliated Agencies

TSUOVA has formed numerous partnerships to enhance services for our veteran community. These services include Goodwill and Operation Good Jobs, USVets Inc, TexVet, Horizon Outreach, Grace After Fire, Buffalo Soldiers Museum, United Way, Female Homeless Veterans Reintegration Program, TACVPO, VCC, WAVES, TVC, The Job Xchange, Office of Congresswoman Sheila Jackson Lee, City of Houston Office of Veterans Affairs and Returning Veteran Initiative (RVI), Walmart Foundation, Wounded Warrior Project, Incarcerated Veterans Transitional Program (IVTP), Operation Endure and Grow, VWisE, Entrepreneurship Boot-camp for Veterans with Disabilities (in collaboration with JHJ School of Business)

Policies and Procedures

TSU is committed to our status as a Military Friendly School. With this designation, TSU also adheres to the basic principles of the Servicemembers Opportunity Colleges (SOC), American Council on Education (ACE), Department of Defense (DOD) Voluntary Education Partnership, and other federal, regional, and state regulations. For more information regarding policies please refer to the TSU Veterans Affairs website or in person in the TSU OVA/VRC in the Bell Building Suite 137.

ARMY ROTC PROGRAM

The U.S. Army ROTC program exists as a series of college elective courses and field training activities which, when successfully completed, leads to a commission as a second lieutenant in the active U.S. Army, the U.S. Army National Guard, or the U.S. Army Reserve. Military science courses are taken in conjunction with academic course loads. Participants must be full-time students to enroll in Army ROTC, and their securing of Army commissions is entirely separate from the pursuit of academic degrees. Participants may pursue those academic degrees which are offered by the various schools and colleges of the University; however, no degrees are offered in military science.

Most ROTC cadets first enroll in the two-year Basic Course (with no military obligation incurred), followed by enrollment in the two-year Advanced Course. Veterans may receive credit for the Basic Course and may earn commissions by enrolling in ROTC for two academic years in conjunction with the completion of one six-week summer camp. Four-year and three-year Green to Gold scholarship winners are also required to participate in the Basic Course military science courses. A baccalaureate degree must be conferred in order for a participant to return to active duty as a commissioned officer or to participate as a second lieutenant in the Reserve Forces.

There are monetary benefits to be derived from participation in the ROTC program. For each month of enrollment in the Advanced Course, participants will receive an allowance of \$150.00 up to \$1,500.00 per year for each of its two years. Participants are also paid for attending the six-week summer camp, usually between the junior and senior years of enrollment. Participants will also retain and receive all educational benefits earned while on active duty, even if they receive ROTC scholarships.

In the ROTC program, participants are not members of the Active Army, so they earn no Active Army benefits. As a Green-to-Gold scholarship cadet, participants may not be in a Reserve Component; however, a two-year Green-to-Gold non-scholarship cadet may be in a Reserve Component. For the latter case, participants will be entitled to reserve pay and certain benefits. To obtain detailed information on all scholarships available to students participating in the U.S. Army ROTC program, including the Green to Gold scholarships, call (713)-743-3875 or go on-line at www.uh.edu/rotc.

AIR FORCE ROTC PROGRAM

The Air Force Reserve Officer Training (ROTC) program prepares men and women of character, commitment, and courage to assume leadership positions as commissioned officers in the active duty United States Air Force. Upon completion of the curriculum, students will have a thorough understanding of the core values, leadership, teamwork, and other requirements to be an effective officer in the world's greatest Air Force. Although registration for these classes is done through Texas Southern University, the actual courses and physical training sessions take place at the University of Houston. Flight orientation occurs at airports in the Houston metropolitan area. For more information on the Air Force Science program, contact the Air Force Science Department at the University of Houston by calling 713-743-4932 or going on-line at www.uh.edu/afrotc.

NAVY ROTC PROGRAM

Students interested in becoming an officer in the U.S. Navy or U.S. Marine Corps enroll in the Naval Reserve Officers Training Corps (ROTC) program as scholarship or non-scholarship students. The Department of Naval Science is administered by a senior U.S. Navy officer, assisted by officers and enlisted personnel of the U.S. Navy and U.S. Marine Corps.

Scholarship Navy and Marine students are appointed as midshipmen, Navy Reserve or USMC Reserve, on a nationwide competitive basis. They receive stipend pay of \$250–\$400 per month for a maximum of four academic years, with all tuition, fees, and equipment paid for by the Navy. Additionally, students receive \$375 per semester for books. Midshipmen must complete the prescribed naval science course load (24 hours for Navy students and 18 hours for Marine students), participate in NROTC events, and attend three summer cruises. After graduating with a bachelor's degree, they accept a commission as an Ensign in the U.S. Navy or as a Second Lieutenant in the U.S. Marine Corps.

Non-scholarship Navy ROTC students enter into a mutual contract with the Secretary of the Navy to take naval science courses and to participate in NROTC events. This is known as the College Program—Basic. College Program—Basic students must be accepted into the College Program—Advanced Standing by the end of their sophomore year in order to continue in the NROTC program through their junior and senior years. The U.S. Navy pays Advanced Standing students \$300–\$400 per month during their junior and senior years, offering them a commission in the U.S. Navy or Marine Corps upon graduation. The program chair may recommend non-scholarship students, on a competitive basis, for scholarship status.

Naval Science Minor—Navy and Marine NROTC students, either scholarship or non-scholarship, may pursue a minor in Naval Science at the discretion of the Professor of Naval Science.

Students interested in opportunities with NROTC should email navy@rice.edu or call 713-348-3940.

Course Credit

ROTC classes may be taken for elective credit toward any degree offered at Texas Southern University. Freshman and sophomore level classes are open to all students. No military obligation is incurred as a result of enrollment in these courses. Junior and senior level courses are more restrictive and do require a military obligation. ROTC scholarship students also incur a military obligation.

Four-Year Program

The General Military Course (GMC) is the first half of the four year ROTC program and is taken during the freshman and sophomore years. This program allows the student to experience Air Force ROTC without obligation (unless the student is on an Air Force ROTC scholarship). Each semester of the GMC consists of one classroom hour of instruction as well as Leadership Laboratory once each week. During the first two years, the student will learn about the Air Force and the historical development of aerospace power. During the summer preceding the junior year, the student will compete for the opportunity to attend a four-week Field Training Unit. Successful completion of field training is mandatory for entrance into the Professional Officer Course (POC), the junior and senior years of the four year program. As a junior, the student will study the core values, leadership, teamwork, and management tools required to become an effective Air Force officer. During the senior year students study the national security policy process, regional and cultural studies, and complete final requirements for commissioning as second lieutenants.

AFROTC Scholarship Opportunities

Air Force ROTC offers various scholarship opportunities for students at Texas Southern University. The Express Scholarship Program is operated on a fully qualified basis; those who meet the qualifications are awarded the scholarship. Students who are fully qualified are eligible for a non-competitive scholarship up to 3.5 years. The express scholarship pays up to \$15,000 tuition per year and \$900 per year for books. Minimum qualifications to be eligible for this scholarship include attaining a minimum cumulative GPA of 2., and successfully passing the physical fitness test and the Air Force Officer Qualifying Test. The processing of the scholarship award is completed at the local detachment.

Stipend

All AFROTC scholarship recipients and POC cadets receive a nontaxable monthly stipend. The annual stipend amount ranges from \$2,000 per year to \$4,000 per year depending on the recipient's enrollment year.

Flight Orientation Program

All cadets can volunteer to participate in a joint Air Force ROTC/Civil Air Patrol flight orientation program. This program consists of eight flights, four in the front seat of a small passenger aircraft and four additional flights in the back seat as an observer. In addition, an abbreviated flying ground school course is taught in the ROTC classrooms using FAA textbooks. The flight orientation and ground school course are both free for all cadets.

Physical Fitness Training

Cadets meet two times per week at 0600 at the University of Houston Alumni Center to perform physical fitness training. The training is mandatory and emphasizes push-ups, sit-ups, and running in order to pass the USAF physical fitness test. Although registration for these classes is done through Texas Southern, the actual courses and physical training sessions take place at the University of Houston. Flight orientation occurs at airports in the Houston metropolitan area. For more information on the Air Force Science program, contact the Air Force Science Department at the University of Houston by calling 713-743-4932 or going on-line at www.uh.edu/afrotc.

U.S NAVY/MARINE CORPS ROTC

Students interested in opportunities with the US Navy or Marine Corps ROTC should contact 713 348-4825/3928.

Of special note, students who participate in the ROTC Programs at Texas Southern University are also cross-enrolled at the University of Houston (A/AF) or Rice University (N/MC).

Texas Hazelwood Act

Information and the application for the Hazelwood Act can be found at

<http://collegeforalltexas.com/index.cfm?objectid=6D14A588-F337-DE9F-C34472E57102FA06>

Current and prospective students are encouraged to begin the application processes and submission for any veterans' benefits at least 45 days prior to enrolling to prevent payment delays.

Veterans Tuition Rebate

Beginning in Fall 2012, Veterans have the opportunity to receive a \$1000 tuition rebate upon completion of their undergraduate degree. Please see or contact the TSU Office of Veteran Affairs for more information.



JESSE H. JONES SCHOOL OF BUSINESS

JESSE H. JONES SCHOOL OF BUSINESS

OVERVIEW

The Jesse H. Jones School of Business consists of three departments: (1) Accounting, (2) Business Administration, and (3) Finance and Economics. **Currently, the Department of Accounting and the Department of Finance and Economics are managed as one administrative unit. Through these three departments, six undergraduate degrees and three graduate degrees are offered. The six undergraduate degrees are the Bachelor of Business Administration (B.B.A.) in Accounting, the Bachelor of Business Administration (B.B.A.) in Finance, the Bachelor of Arts (B.A.) degree in Economics, the Bachelor of Business Administration (B.B.A.) in Management, the Bachelor of Business Administration (B.B.A.) in Management Information Systems, and the Bachelor of Business Administration (B.B.A.) in Marketing. The three graduate degrees are the Master of Business Administration (M.B.A.) in Business Administration, the Master of Science (M.S.) in Management Information Systems, and an Online Executive Master of Business Administration (eM.B.A.). The Bachelor of Business Administration (B.B.A.) in Accounting is administered through the Department of Accounting. The Bachelor of Business Administration (B.B.A.) in Finance and the Bachelor of Arts (B.A.) in Economics are administered through the Department of Finance and Economics, while the remaining three undergraduate degrees are administered through the Department of Business Administration. New students are no longer being admitted into the Bachelor of Arts (B.A.) in Economics as this program will be phased out by August 2016. Students should refer to the Graduate School Bulletin of Texas Southern University for information on the graduate degree programs.**

The School is administratively organized with a Dean who is assisted by an Associate Dean for Academics, an Assistant Dean for Business Student Services, an Assistant Dean for Administration and Assessment, two department chairpersons, and support staff. All administrative offices, including departmental offices, are located in the Jesse H. Jones School of Business building.

MISSION STATEMENT

Vision

The Jesse H. Jones School of Business will be a leading provider of quality business education, research and engagement in an innovative and student-centered community of continual learners.

Mission

The Jesse H. Jones School of Business is a constituent part of Texas Southern University, a comprehensive metropolitan university, located in Houston, Texas. We offer baccalaureate and masters degree programs to a diverse student population that is primarily first generation college students.

Our mission is to transform students into leaders in the global marketplace. To achieve this mission, we provide quality education in an entrepreneurial, global context through effective teaching, theoretical and applied research, and community engagement in a student-centered environment.

Core Values

Our actions are guided by fundamental values and flow from a commitment to:

Student-Centered Learning	Global Perspective
Community Engagement	Professionalism
Innovativeness	

ADMISSION POLICIES

General Information

Admission to the Jesse H. Jones School of Business is governed by the policies established for the Office of Enrollment Management and the various guidelines established by the departments in the School.

Admission of Undergraduate Transfer Students

Students who have been enrolled in other colleges or universities, who are admitted to Texas Southern University, and who wish to enroll in the Jesse H. Jones School of Business, are subject to the regulations pertaining to transfer credit as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

Students who wish to transfer credits from a two-year, regionally accredited institution should note the following conditions upon which such transfers are acceptable:

1. Only freshmen (100-level) and sophomore (200-level) business courses in which grades of “C” or better have been earned may be transferred.
2. The “first upper-level course” in each functional area (with associated credit) may be transferred if validated and if a grade of “C” or better has been earned. (Validation consists of passing a departmental examination).

Students who wish to transfer credits from four-year regionally accredited institutions may transfer courses equivalent to those offered through the Jesse H. Jones School of Business, provided grades of “C” or better have been earned and subject to departmental degree requirements.

Readmission of Former Students

Former students of Texas Southern University who wish to re-enroll in the Jesse H. Jones School of Business are subject to the regulations pertaining to readmission as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

GENERAL SCHOOL POLICIES

1. All students enrolled in the Jesse H. Jones School of Business are required to follow the sequence of courses outlined in their respective degree plans.
2. All students enrolled in the School must earn grades of “C” or better in English 131, English 132, Mathematics 133, Mathematics 135, and all transfer credits.
3. At least 50 % of the business semester credit hours required for the various business degrees must be earned at Texas Southern University.
4. Students may not enroll in advanced courses without satisfactorily completing the prerequisites required for such courses.
5. Students earning undergraduate degrees from the School are not required to declare a minor in a second academic discipline offered through the University.
6. Students must complete a comprehensive exit examination prior to graduation.
7. Proper professional conduct is required of all students enrolled. This includes dress, language, honesty, personal integrity, and personal ethics.

Good Academic Standing

To remain in good academic standing, students majoring in any area of business must maintain an overall grade point average (GPA) of 2.00.

ACCREDITATION

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. Additionally, the School of Business is accredited by The Association to Advance Collegiate Schools of Business (AACSB) International.

THE BUSINESS LIBRARY

The Business Library is located on the fifth floor of the Robert J. Terry Library and combines resources for accounting, business, and economics. The Business Library has over 52,500 volumes and subscribes to more than 300 serials. Extensive files of corporate financial reports and business and financial services are available. Computerized inter-library loan services link the Library with others throughout the nation and world. Electronic resources are substantial including more than 300 databases that provide a comprehensive list of scholarly journals with access to more than 63,000 full text articles covering a broad scope of disciplines. Also included are e-books, videos, newspapers, graphics and some reference materials. Off campus access to electronic resources is available. The TexShare Consortium provides access to faculty, students and staff to participating State university and college libraries including the University of Houston, Rice University, Houston Public Library and several other Houston area libraries.

STUDENT ORGANIZATIONS

Student organizations operating in the Jesse H. Jones School of Business contribute significantly to the student's total educational experience. They are important vehicles for creative interaction among students, between students and faculty, and between students and their counterparts on other campuses. They also provide linkages between the School and the business and professional community.

School-Wide Organizations

The Mack H. Hannah Junior Chamber of Commerce was named for a black pioneer business leader in Houston who also served as a University regent and benefactor of the School. This school-wide club is a central focus of extra-curricular efforts and serves as the student government organization within the Jesse H. Jones School of Business. In the latter function, it assures students a voice in all aspects of college life and affords them the opportunity to experience leadership and participatory governance.

Students in Free Enterprise (SIFE) creates and presents a wide variety of innovative community outreach projects. This provides an opportunity for students to make a difference and to develop leadership, teamwork, and communication skills through learning, practicing, and teaching the principles of free enterprise.

The Student Business Leadership Organization (SBLO) has as its mission the development of Jesse H. Jones School of Business students into community and corporate leaders by enhancing their skills, talents, and experiences. Membership qualifications include being an undergraduate major or minor in the Jesse H. Jones School of Business or pursuing the Master of Business Administration degree while having a grade point average of 2.70 or higher. The Graduate Student Association (GSA) has the following purpose:

Improve the quality of life for graduate students and enhance their profile both internal and external to the university community. Provide opportunities to further entrepreneurship and job placement. Establish a network with local, regional or national graduate business school chapters and graduate associations on the campus of Texas Southern University. Promote volunteerism and community awareness by establishing partnerships within the business community. Enhance and support the Texas Southern University, Jesse H. Jones School of Business graduate program student recruitment and retention.

Computer and Information Technology Student Organization (CITSO) has the following purpose: To be the governing body of the members mainly in Management Information Systems and Computer Science Departments at the Jesse H. Jones School of Business and the College of Science and Technology. To provide a channel for communication between the students and professional leadership in technology-focused positions.

To promote volunteerism and community awareness by establishing partnerships within the business community.

To coordinate and organize the annual Computer and Information Technology Week.

Beta Gamma Sigma is the honor society serving business programs accredited by The Association to Advance Collegiate Schools of Business (AACSB) International -. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International. The mission of Beta Gamma Sigma is to encourage and honor academic achievement in the study of business along with personal and professional excellence in the practice of business.

Accounting Organizations

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The Delta Xi Chapter was established at Texas Southern University in 1975 for the purpose of encouraging and recognizing scholastic and professional excellence in the field of accounting. To achieve this purpose or objective, Beta Alpha Psi fosters the following: the promotion of the study and practice of accounting; the

provision of opportunities for self-development and association among members and practicing accountants; and the encouragement of a sense of ethical, social, and public responsibilities. The minimum scholastic requirement for juniors and seniors to be members is a cumulative GPA of 3.00 in accounting courses. Also, students must have completed Accounting 231, 232, and 331 for admission.

The **National Association of Black Accountants(NABA)** is a national organization of accounting students. Its primary purpose is to promote professional development in accounting, to encourage and help members of minority groups entering the accounting profession, and to provide assistance in developing accounting education for members of minority groups. The student chapter at Texas Southern University was organized in 1975, and membership is open to all students majoring in accounting or those who have expressed a desire to enter the accounting profession.

Entrepreneurship Organization

The Entrepreneurship Club has the following purpose and mission:

To allow students with an entrepreneurial spirit to have a place to learn about entrepreneurship in a more personal and applied manner. To give student entrepreneurs the necessary and appropriate tools for starting and running a successful business of their own.

Finance Organization

The **Urban Financial Services Coalition** plans and executes activities designed to reinforce the theoretical base provided in the classroom with knowledge and insights gained through real-world exposure in the field of finance. This organization further serves as a forum for social and other extra-curricular activities designed to enrich the academic experience of finance majors.

Marketing Organization

The **American Marketing Association (AMA)** is a national organization that serves to instill a desire in students to develop excellence in marketing and to provide them access to the professional enrichment activities provided by the national organization.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that a student is enrolled. Courses are also subject to change.

DESCRIPTION OF DEPARTMENTS IN THE SCHOOL

The three departments housed in the Jesse H. Jones School of Business are described in detail on the pages that follow. They are described in the following order: Department of Accounting, Department of Finance and Economics, and Department of Business Administration.

DEPARTMENT OF ACCOUNTING

The Department of Accounting offers courses in Accounting (ACCT) at both the undergraduate and graduate levels. The Department of Accounting offers the Bachelor of Business Administration (B.B.A.) degree in Accounting. A minor in Accounting is offered through the Department. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suite 356.

The Department seeks to fulfill a primary mission of delivering quality instruction that provides students with:

- A general education foundation,
- A comprehensive understanding of general business concepts and principles,
- The requisite conceptual and technical knowledge of accounting, and
- The basis for multi-dimensional roles required of professional accountants.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Accounting are summarized in this section, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Accounting, a total of 120 semester credit hours are required. Students are not required to declare a minor in another academic discipline. Students seeking either a major or a minor in Accounting must first gain admission to the Department of Accounting through the procedures outlined below.

Students wishing to pursue a major or minor in Accounting must petition for admission to the Department of Accounting. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met ASSET requirements or equivalents to be considered for admission to the Department. Grades below “C” in Accounting courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their ASSET status through the Office of Student Success Services (SSS). Transcripts of all college work must be forwarded to or presented to the Office of Business Student Services. Once admitted to the Department of Accounting, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Accounting, twenty-one (21) semester credit hours are required. See degree program schedule of courses in the Accounting area. **Students are cautioned that grades of “C-” are not accepted for the twenty-one (21) semester credit hours referenced.**

Graduation requirements include the following: (1) grades of “C” or better in all major courses (grades of “C-” are not accepted); (2) no more than two grades of “D” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

The Texas Legislature has passed a bill regarding the requirements to sit for the Certified Public Accountant (CPA) examination. In its present format, Texas candidates for the CPA examination must meet the 150-semester credit hour requirement before applying to sit for the CPA examination. To help meet this requirement, the Department is offering an accounting concentration in the MBA program that will enable students to meet the education requirements for CPA licensure as well as provide an opportunity to earn a Master of Business Administration (MBA) degree. The requirements and course offerings for the MBA program is described in the Graduate School Bulletin of Texas Southern University.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major or minor in Accounting as specified in this section; (3) satisfy ASSET requirements or equivalent through the Office of Student Success Services (SSS); and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Departmental Office at (713) 313-7590 or (713) 313-7505.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Boyd, Joseph L. Distinguished Professor B.S., M.S., Ph.D. University of South Carolina CPA</p>	<p>Perkins, Carlton Associate Professor B.S., Norfolk State College M.B.A., J.D., Texas Southern University CPA</p>
<p>Desselle, Bettye R. Assistant Professor B.S. Louisiana State University M.B.A. University of Wisconsin, Madison Ph.D., University of Houston CPA</p>	<p>Pitre, Richard Distinguished Professor B.S., Southern University M.B.A., Atlanta University Ph.D., University of Houston CPA</p>
<p>Hyman, Ladelle M. Professor B.S., M.B.A., University of Arkansas M.A.S., University of Illinois Ph.D., North Texas State University CPA</p>	<p>Raghavan, Kamala Associate Professor B.Sc., Calcutta University M.S. Simmons College M.B.A. Northeastern University D.B.A., Cleveland State University CPA, CFP, CFF</p>
<p>O, Sewon Associate Professor B.A., Yonsei University M.S., Ph.D., Mississippi State University CPA</p>	<p>Wang, Kun Associate Professor B.S., Shanxi Finance and Economics University M.S., New Mexico State University Ph.D., Texas A&M University</p>

DEPARTMENT OF FINANCE AND ECONOMICS

The Department of Finance and Economics offer courses in Business Law, Economics (ECON), Finance (FIN), and Insurance (INS) at both the undergraduate and graduate levels. The Department offers the Bachelor of Business Administration (B.B.A.) degree in Finance and the Bachelor of Arts (B.A.) degree in Economics. The BA degree in Economics will be phased out by August 2016. Students currently enrolled in the BA in Economics program will have the opportunity to graduate by August 2016. New students are no longer being admitted into the BA in Economics program. Minors in Finance and in Economics are offered through the Department of Finance and Economics. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suite 356.

The Department seeks to fulfill a primary mission of delivering quality instruction that provides students with:

- A general education foundation,
- A comprehensive understanding of general business concepts and principles,
- The requisite conceptual and technical knowledge of finance and economics, and
- The basis for multi-dimensional roles required of financial managers.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Finance are summarized in this section, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Finance, a total of 120 semester credit hours are required; **students are not required to declare a minor in another academic discipline.** Students seeking either a major or a minor in Finance must first gain admission to the Department of Finance and Economics through the procedures outlined below.

Students wishing to pursue a major or minor in Finance must petition for admission to the Department of Finance and Economics. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met ASSET requirements or equivalents to be considered for admission to the Department. Grades below “C” in Finance courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their ASSET status through the Office of Student Success Services (SSS). Transcripts of all college work must be forwarded to or presented to the Office of Business Student Services. Once admitted to the Department of Finance and Economics, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Finance, twenty-one (21) semester credit hours are required. See degree program schedule of courses in the Finance area. **Students are cautioned that grades of “C-” are not accepted for the twenty-one (21) semester credit hours referenced.**

For a minor in Economics, 21 semester credit hours are required. The following three-credit Economics courses are required for 12 of the 21 credits needed: ECON 231, ECON 232, ECON 330, and ECON 336. In addition, Economics minors must take six credits of upper-level Economics electives and a three credit statistics courses, MGSC 239 or MATH 231. GEOG 332 (3 credits) may be substituted for one of the upper-level Economics electives.

Graduation requirements include the following: (1) grades of “C” or better in all major courses (grades of “C-“ are not accepted); (2) no more than two grades of “D” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major or minor in Finance as specified in this section; (3) satisfy ASSET requirements or equivalent through the Office of Student Success Services (SSS); and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Departmental Office at (713) 313-7590 or (713) 313-7505.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Ayadi, O. Felix JP Morgan Chase Professor of Finance B.S., M.S., University of Lagos Ph.D., University of Mississippi</p>	<p>Keleta, Ethiopia Professor B.A. Haile Selassie University, Addis Ababa M.A. University of Texas at Austin Ph.D., Rice University</p>
<p>Chatterjee, Amitava Professor B.S., M.S., University of Calcutta Ph.D., University of Mississippi</p>	<p>Norman, Emlyn A. Assistant Professor B.A. University of New Brunswick M.A. Harvard University</p>
<p>Iqbal, Zahid Professor Bachelor of Commerce, University of Dhaka M.B.A., East Tennessee State University Ph.D., University of North Texas</p>	<p>Saunders, William Associate Professor B.S., Southwest Missouri State University J.D., University of Indiana</p>
<p>Johnson, Ronald Professor B.A., M.B.A., Adelphi University M.A., Ph.D., Stanford University</p>	<p>Tai, Chu-Sheng Associate Professor B.S., National Cheng Kung University M.S., Golden Gate University M.A., M.A.S., Ph.D., Ohio State University</p>

ACCOUNTING COURSES

ACCT 231	Principles of Accounting I (3) Fundamental concepts of double-entry theory, recording procedures, worksheet techniques, and financial statement preparation. Accounting for cash, receivables, inventories, plant assets, liabilities, and equity. Three hours of lecture per week. Prerequisites: MATH 133 or MATH 135 and MATH 138. Listed as ACCT 2301 in the Texas Common Course Numbering System.
ACCT 232	Principles of Accounting II (3) Emphasis on the preparation of reports and the use of accounting data for internal management. Three hours of lecture per week. Prerequisite: ACCT 231 Listed as ACCT 2302 in the Texas Common Course Numbering System.
ACCT 300	Accounting Information Systems (3) Inquiry into the fundamental principles and concepts underlying accounting information systems. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
ACCT 331	Intermediate Accounting I (3) Techniques in adjusting, correcting, and revising accounting records and statements. Conventional standards and acceptable alternatives in accounting for cash, receivables, liabilities, and inventories. Three hours of lecture per week. Prerequisite: ACCT 231 with a grade of C or better.
ACCT 332	Intermediate Accounting II (3) Accounting procedures for plant assets and intangible assets, liabilities and equity requirements peculiar to corporate accounting, analysis and interpretation of accounting data, and current trends in the application of basic concepts. Three hours of lecture per week. Prerequisite: ACCT 331 with a grade of C or better.
ACCT 334	Federal Income Tax Accounting (3) Interpretation of the Internal Revenue Code and related regulations and instructions. Concepts of income tax determination and reporting requirements for individuals, partnerships, and corporations; payroll tax requirements and reporting procedures. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
ACCT 335	Income Tax Practicum (3) Preparation of federal income tax returns for individuals as part of the Voluntary Income Tax Assistance program. Students provide tax compliance services and prepare tax returns primarily for individuals who cannot afford professional tax services. Prerequisites: ACCT 334 with grade of C or better and approval by the Accounting Coordinator.
ACCT 336	Cost Accounting (3) Provision of a basis for using Accounting as a management tool through the development of knowledge of accounting techniques for planning, controlling, and product costing. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
ACCT 339	Business Law (3) Study of the basic legal concepts and principles pertaining to fundamental business transactions and of the Uniform Commercial Code. Three hours of lecture per week. Prerequisite: BADM 234.
ACCT 400	Introduction to Energy Accounting (3) Financial reporting and tax practices of the energy industry. Accounting for cost activities relating to, acquisition of mineral interest in properties, exploration, development and production of oil and gas. Designed to enhance knowledge and skill level of accounting students in order to improve their accounting skills and marketability in the global energy market. Prerequisite: ACCT 331.
ACCT 430	Ethics for Accountants (3) Philosophical understanding of ethical complexities of the modern business enterprise and a fundamental base of ethical knowledge necessary for a career in Accounting and Finance. Prerequisite: Senior standing.

ACCT 431	Advanced Accounting Accounting for mergers and acquisitions, multinational accounting, and translation of foreign currency financial statements. Three hours of lecture per week. Prerequisites: ACCT 331 with a grade of C or better and ACCT 332 with a grade of C or better.	(3)
ACCT 433	Auditing Introduction to general auditing objectives and study of auditing principles, techniques, and internal controls. Prerequisites: ACCT 331 with a grade of C or better, ACCT 332 with a grade of C or better and ACCT 300 with a grade of C or better.	(3)
ACCT 436	Federal Income Tax Accounting II Continuation of ACCT 334 with emphasis on research in taxation; accounting methods; payment of taxes; guides for partnerships, estates, trusts, and corporations; preparation and filing of required returns. Three hours of lecture per week. Prerequisite: ACCT 334 with a grade of C or better.	(3)
ACCT 438	Governmental and Not-For-Profit Accounting An introduction to budgeting, accounting, and financial reporting of governmental entities as well as private and public not-for-profit organizations. Prerequisite: ACCT 331 with a grade of C or better.	(3)
ACCT 445	Contemporary Topics in Accounting Applied study and research on emerging issues in the field of Accounting and Information Systems. Three hours of lecture per week. Prerequisites: Junior or senior status and consent of the instructor.	(3)
ACCT 446	Accounting Internship Faculty supervised work experience where written reports are required. Prerequisites: Junior or senior status and consent of the instructor	(3)

ECONOMICS COURSES

ECON 131	Introductory Economics An introduction to basic microeconomics and macroeconomic concepts and their application in the real world so that students can learn to appreciate what economics can do for them. One-semester course designed to satisfy requirements in other disciplines like Education, Medical Technology, Pharmacy, etc. Three hours of lecture per week. Listed as ECON 1301 in the Texas Common Course Numbering System.	(3)
ECON 231	Principles of Economics I An analysis of the economy as a whole including measurement and determination of aggregate demand and aggregate supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy and monetary policy. Three hours of lecture per week. Prerequisites: Six credits of college level math. Listed as ECON 2301 in the Texas Common Course Numbering System.	(3)
ECON 232	Principles of Economics II Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, pricing output decisions by firms under various market structures, factor markets, market failures, and international trade. Three hours of lecture per week. Prerequisites: Six hours of college level math. Listed as Econ 2302 in the Texas Common Course Numbering System.	(3)
ECON 315	Environmental Economics Introduction to the economic analysis of environmental problems. Emphasis placed on the cause of environmental problems, types of externalities, determination of the optimal rate of pollution, alternative strategies for solving environmental problems, and the current state of U.S. environmental policy. Three hours of lecture per week. Prerequisite: ECON 131 or ECON 232.	(3)

ECON 325	Health Economics Introduction to the economic analysis of health services and health policy. Emphasis placed on the effects of uncertainty and incomplete information on the market for medical care and alternative strategies for controlling the cost of health care. Three hours of lecture per week. Prerequisite: ECON 131 or ECON 232.	(3)
ECON 330	Intermediate Microeconomics Economic theories pertaining to business and household decision-makers and to market behavior under various degrees of competition. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 332	Labor Economics Economic theories and analyses of labor markets, wages, rates, collective bargaining, labor legislation, unemployment, and other labor problems. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 336	Intermediate Macroeconomics Economic theories pertaining to the determination of aggregate income, output, employment, and price level. Economic policies to achieve stability and economic growth analyzed. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 337	Monetary Theory and Policy Study of the money supply and the impact of monetary policies on interest rates, prices, and the level of aggregate income. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 339	Economics of Money and Banking Theory and analysis of money, banking, and the financial system. Emphasis on money creation and the Federal Reserve System's control of the money supply. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 431	Economics of Public Finance Study of the theoretical structure employed in examining the economic role of government and the use of this structure to explore a number of current policy issues. Three hours of lecture per week. Prerequisites: ECON 330 and ECON 336 or consent of the instructor.	(3)
ECON 436	Urban Economics Survey of urban economic problems, including those concerned with transportation, health services, and taxation. Analysis of alternative remedies for issues related to the urban economy addressed. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 437	Introduction to Econometrics Basic mathematical, statistical, and computer techniques used in estimating and testing relationships among economic variables. Three hours of lecture per week. Prerequisites: Six (6) semester credits in statistics.	(3)
ECON 440	Managerial Economics Application of economic theory to managerial decision making with emphasis on optimization, uncertainty, demand theory, production theory, cost theory, and profit analysis. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.	(3)
ECON 442	International Economics Analysis of problems and effects of international trade with emphasis on import-export imbalances, balance of payments, international flows of capital, foreign exchange rates, and international trade financing. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232. Offered as needed.	(3)

ECON 443 **Economics of Development** (3)
Analysis of the problems and issues involved in the economic modernization of developing and third world nations. Various theories of economic development and their applicability in specific instances examined. Three hours of lecture per week. Prerequisites: ECON 231 and ECON 232.

FINANCE COURSES

FIN 300 **Personal Finance** (3)
Various aspects of personal and family finances including financial goal setting, budgeting, use of credit, investments, insurance, estate planning, retirement planning, taxation and housing. Three hours of lecture per week. Prerequisites: ACCT 231 and ACCT 232.

FIN 301 **Basic Financial Management** (3)
Introduction to financial markets, mathematics of finance, capital budgeting, valuation, and international finance. Three hours of lecture per week. Prerequisites: ACCT 231, ACCT 232, and ECON 231.

FIN 302 **Management of Financial Institutions** (3)
Asset and liability management in the context of risk, liquidity, and profitability in the Financial Services Industry. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 303 **Treasury Management** (3)
Issues and current developments in cash and treasury management as a part of the Corporate Treasury Management (CTM) program. Successful completion of this course with a grade of "B" or higher will satisfy the eligibility criteria for students to sit for the Certified Treasury Professional (CTP) exam offered by the Association for Finance Professionals (AFP). Three hours of lecture per week. Prerequisite: FIN 301.

FIN 304 **Finance Boot Camp** (3)
This course is designed for students to develop an understanding of investment banking and the role played by financial analysts in the valuation of corporations. Three hours of lecture per week.

FIN 312 **Investments** (3)
Types of investments; securities exchanges; market indexes; quotations; practices, procedures, and evaluations relating to stocks, bonds, and mutual fund trading; the international financial environment. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 338 **International Finance** (3)
Introduction to the international financial environment and international financial tools and techniques, including the foreign exchange markets, exchange rates, financing international operations, and foreign investments. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 403 **Corporate Financial Management** (3)
In-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 405 **Real-World Financial Training** (3)
This course provides training on financial statement analysis, corporate finance, excel, financial modeling, valuation modeling and mergers and acquisition modeling. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 411 **Introduction to Derivatives** (3)
Introduction to derivative instruments such as forwards, futures, options, and swaps. Emphasis is placed on the framework for pricing derivatives and strategies used to achieve various hedging and risk management objectives. Three hours of lecture per week. Prerequisite: FIN 301.

FIN 412	Finance: Cases and Readings (3) Analysis of case problems in finance utilizing the tools and techniques developed in prior courses. Also includes readings on current financial events. Three hours of lecture per week. Prerequisites: FIN 301, FIN 312, and FIN 403.
FIN 413	Risk Management and Insurance (3) Fundamentals of risk management and insurance including the nature of potential loss exposures and alternative methods of managing them. Three hours of lecture per week. Prerequisite: FIN 301.
FIN 414	Real Estate Finance (3) Knowledge of basic real estate theory and practice. Emphasis is placed on applying this knowledge to different areas of modern day real estate business and to issues in real estate practice. Three hours of lecture per week. Prerequisite: FIN 301.
FIN 415	Small Business and Entrepreneurial Finance (3) Application of the theories and concepts of financial issues within the framework of small business and entrepreneurship. Topics include financial analysis and forecasting, valuations, investment and growth strategies. Three hours of lecture per week. Prerequisite: FIN 301.
FIN 417	Understanding Global Energy Markets (3) This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Three hours of lecture per week. Prerequisite: FIN 301.
FIN 418	Financial Derivatives for Energy Markets (3) The course provides comprehensive coverage of a wide range of financial derivative products including oil, natural gas, foreign exchange and interest rate markets. Three hours of lecture per week. Prerequisite: FIN 301.

INSURANCE COURSES

INS 300	General Insurance (3) Nature and function of the insurance mechanism and a survey of the principal characteristics of the several branches into which the insurance industry is divided. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
INS 301	Fundamentals of Life Insurance (3) Functions and mechanics of life insurance; the life insurance contract; the rights of the insured, beneficiaries, and creditors. Some emphasis placed on interpreting mortality tables. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
INS 400	Property Insurance Contracts (3) Provisions of property and casualty insurance contracts. Considerable attention paid to commercial policy forms. Some emphasis placed on insurance company operations. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
INS 401	Employee Benefits and Retirement Plans (3) Exposure to major components of most benefit plans; health coverage, retirement, and disability plans. Features of group insurance covered in detail. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
INS 402	Insurance Operations & Regulations (3) Fundamentals of insurance operations and regulations. Topics include underwriting, ratemaking, claim adjusting, and reinsurance. Some emphasis is placed on insurer financial statements and strategies. Prerequisite: 60 semester credits completed.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ACCOUNTING)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<u>Communication:</u>		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
<u>Mathematics:</u>		BADM 101 (3)	General Electives (12)*****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
<u>Life and physical sciences:</u>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<u>Language, philosophy, and culture:</u>		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
<u>Creative arts:</u>		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	Major Requirements	
<u>American history:</u>		ACCT 300 (3)	
HIST 231 (3)	HIST 1301	ACCT 331 (3)	
HIST 232 (3)	HIST 1302	ACCT 332 (3)	
<u>Government/political science:</u>		ACCT 334 (3)	
POLS 235 (3)	GOVT 2305	ACCT 336 (3)	
POLS 236 (3)	GOVT 2306	ACCT 433 (3)	
<u>Social and behavioral sciences:</u>		ACCT Electives (9)****	
ECON 231 (3)	ECON 2301		
<u>Institutional Options:</u>			
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** ACCT Electives must be 300- or 400-level accounting courses.

***** General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138	3
	MATH 135	3	MIS 204 Fundamentals of Info Systems	3
	SC 135 Business & Professional Comm	3	BADM 230 Advanced Communication Skills	3
	Creative Arts	3	Life and Physical Sciences	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture	3
	Life and Physical Sciences	3	ECON 231 Principles of Economics I	3
	15 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	ACCT 300 Information Systems	3
	MKTG 306 Principles of Marketing	3	ACCT 332 Intermediate Accounting II	3
	MGSC 239 Business Statistics I	3	ACCT 334 Federal Income Tax	3
	FIN 301 Basic Financial Management	3	MGSC 302 Operations Management I	3
	ACCT 331 Intermediate Accounting I	3	General Elective	3
	15 hrs		15 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ACCT 336 Cost Accounting	3	ACCT Elective	3
	ACCT 433 Auditing	3	ACCT Elective	3
	ACCT Elective	3	BADM 450 Organizational Policy & Strategy	3
	MGMT 300 Principles of Management	3	General Elective	3
	General Elective	3	General Elective	3
	15 hrs		15 hrs	

Accounting Minor for Non-Business Majors - Total Credits: 21	
ACCT 231	3
ACCT 232	3
ACCT 331	3
BADM 234	3
MGMT 300	3
Accounting Electives*	6
	21 hrs

*300- or 400-level accounting courses

**CURRICULUM SUMMARY FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (FINANCE)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)*****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	Major Requirements	
American history:		FIN 302 (3)	
HIST 231 (3)	HIST 1301	FIN 312 (3)	
HIST 232 (3)	HIST 1302	FIN 338 (3)	
Government/political science:		FIN 403 (3)	
POLS 235 (3)	GOVT 2305	MIS 304 (3)	
POLS 236 (3)	GOVT 2306	300- or 400-level ACCT (3)	
Social and behavioral sciences:		Restricted Electives (9)****	
ECON 231 (3)	ECON 2301		
Institutional Options:			
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****Restricted Electives must be 300- or 400-level finance or accounting courses.

*****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138	3
MATH 135		3	MIS 204 Fundamentals of Info Systems	3
SC 135 Business & Professional Comm		3	BADM 230 Advanced Communication Skills	3
Creative Arts		3	Life and Physical Sciences	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 234 Legal & Reg Envir of Bus		3	Language, Philosophy, and Culture	3
Life and Physical Sciences		3	ECON 231 Principles of Economics I	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 232 Principles of Economics II	3	FIN 312 Investments
MKTG 306 Principles of Marketing		3	FIN Elective	3
MGSC 239 Business Statistics I		3	MGSC 331 Business Statistics II	3
FIN 301 Basic Financial Management		3	MGSC 302 Operations Management I	3
MIS 304 Information Technology		3	General Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	FIN 302 Mgmt of Financial Institutions	3	FIN 403 Corporate Financial Management
FIN 338 International Finance		3	FIN Elective	3
FIN Elective		3	BADM 450 Organizational Policy & Strategy	3
MGMT 300 (Principles of Management)		3	General Elective	3
General Elective		3	General Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
Insurance Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (FINANCE)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135(3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	Major Requirements	
American history:		FIN 302 (3)	
HIST 231 (3)	HIST 1301	FIN 312 (3)	
HIST 232 (3)	HIST 1302	FIN 338 (3)	
Government/political science:		FIN 403 (3)	
POLS 235 (3)	GOVT 2305	MIS 304 (3)	
POLS 236 (3)	GOVT 2306	300- or 400-level ACCT (3)	
Social and behavioral sciences:		FIN 413 (3)	
ECON 231 (3)	ECON 2301	INS 400 (3)	
Institutional Options:		INS 402 (3)	
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
INSURANCE CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138	3
	MATH 135	3	MIS 204 Fundamentals of Info Systems	3
	SC 135 Business & Professional Comm	3	BADM 230 Advanced Communication Skills	3
	Creative Arts	3	Life and Physical Sciences	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture	3
	Life and Physical Sciences	3	ECON 231 Principles of Economics I	3
	15 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	FIN 312 Investments	3
	MKTG 306 Principles of Marketing	3	FIN 413 Risk Management & Insurance	3
	MGSC 239 Business Statistics I	3	MGSC 331 Business Statistics II	3
	FIN 301 Basic Financial Management	3	MGSC 302 Operations Management I	3
	MIS 304 Information Technology	3	General Elective	3
	15 hrs		15 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	FIN 302 Mgmt of Financial Institutions	3	FIN 403 Corporate Financial Management	3
	FIN 338 International Finance	3	INS 402 Insurance Operations & Regulations	3
	INS 400 Property Insurance Contracts	3	BADM 450 Organizational Policy & Strategy	3
	MGMT 300 (Principles of Management)	3	General Elective	3
	General Elective	3	General Elective	3
	15 hrs		15 hrs	

Finance Minor for Non-Business Majors - Total Credits: 21	
ACCT 231	3
ACCT 232	3
FIN 301	3
FIN 312	3
FIN 403	3
Finance Electives*	6
	21 hrs

*300- or 400-level finance or accounting courses.

DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration offers courses in Business Administration (BADM) and the following functional business disciplines: Management (MGMT), Management Information Systems (MIS), Management Science (MGSC), and Marketing (MKTG) at both the undergraduate and graduate levels. **The Department offers the Bachelor of Business Administration (B.B.A.) degree in Management, Management Information Systems, and Marketing at the undergraduate level and the Master of Business Administration (M.B.A.) degree in Business Administration, the online Executive Master of Business Administration (EMBA) degree, and, the Master of Science (M.S.) degree in Management Information Systems at the graduate level. Two minors are offered in Business Administration and Entrepreneurship at the undergraduate level. Also, one concentration is offered in Human Resource Management in the Management major and Entrepreneurship is offered as a concentration in the Management and Marketing majors. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suites 315 and 340.**

Students interested in the graduate degree programs should refer to the Graduate School Bulletin of Texas Southern University for details.

The mission of the Department of Business Administration is to prepare students for positions of leadership, trust, and responsibility in business, government, entrepreneurial, and community service organizations. The Department offers the foundation business courses (except Accounting, Business Law, and Finance) and provides the curriculum of study for Management, Management Information Systems, and Marketing majors.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Management, the Bachelor of Business Administration (B.B.A.) degree in Management Information Systems, and the Bachelor of Business Administration (B.B.A.) degree in Marketing are summarized in this section, including course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Management, Management Information Systems or Marketing, a total of 120 semester credit hours are required. **Students are not required to declare a minor in another academic discipline.** Students seeking a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship must first gain admission to the Department of Business Administration through the procedures outlined below.

Students wishing to pursue a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship should indicate their preference on the application for admission to the University. Students who seek to change their major to Management, Management Information Systems, or Marketing must petition for admission to the Department of Business Administration. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met TSI and or equivalent requirements to be considered for admission to the Department. Grades below “C” in business courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their TSI or equivalent status with the University’s TSI Testing Coordinator. Transcripts of all college work must be forwarded to or presented to the Office of Admissions where they will be routed to Business Student Services. Once admitted to the Department of Business Administration, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Business Administration or Entrepreneurship, twenty-seven (27) semester credit hours are required. See degree program schedule of courses in this section of the catalog. **Students are cautioned that grades of “C-” are not accepted for the twenty-seven (27) semester credit hours referenced.**

Graduation requirements include the following: (1) grades of “C” or better in the major courses (grades of “C-” are not accepted); (2) no more than two grades of “D” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major in Management, Management Information Systems or Marketing, or a minor in Business Administration or Entrepreneurship; (3) satisfy TSI requirements or equivalent with the University’s TSI Testing Coordinator; and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Department Office at (713) 313-7309 or (713) 313-7590.

Student Organizations

Marketing Club

The elite chapter of the American Marketing Association located on the campus of Texas Southern University is dedicated to promoting the awareness of marketing and its importance to the success of any business entity. We work toward developing the qualities of leadership and professionalism that drive academic excellence.

Goals:

1. Teach: We teach the importance of networking with our professional chapters to gain knowledge and reach them.
2. Success: Which is defined as our ability to attain goals we set each year, as well as, exceeding the initial goals.
3. This can only be achieved if we come together as ONE.
4. Unity: Unification will ensure that we deliver outstanding performance each year, and it will encourage our members to continue towards the success of our organization.

Computer and Information Technology Student Organization

Purpose:

1. To be the governing body of the members primarily in the Management Information Systems and Computer Science departments at the Jesse H. Jones School of Business and The College of Science and Technology.
2. To provide a channel of communication between the students and professional leadership in technology focused positions.
3. To promote volunteerism and community awareness by establishing partnerships within the business community.
4. To coordinate and organize the annual Computer and Information Technology Week.

The Entrepreneurship Club

1. Our Purpose: To allow students with an entrepreneurial spirit to have a place to learn about entrepreneurship in a more personal and applied manner.
2. Our Mission: To give student entrepreneurs the necessary and appropriate tools for starting and running a successful business of their own.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Brice, Jeff Associate Professor B.S., Tuskegee Institute M.B.A., Clark Atlanta University Ph.D., Mississippi State University</p>	<p>Sherif, Karma Professor B.A., American University in Cairo M.S., Texas A&M University, College Station Ph.D., Texas A&M University, College Station</p>
<p>Claiborne, Claudius B. Professor B.S., Duke University M.E., Dartmouth College M.B.A., Washington University Ph.D., Virginia Polytechnic Institute and State University</p>	<p>Smith, Marion Associate Professor B.S., Rensselaer Polytechnic Institute M.B.A., Rensselaer Polytechnic Institute Ph.D., University of Houston</p>
<p>Cooley, Delonia Associate Professor B.S., M.S., M.B.A., University of Arkansas Fayetteville Ph.D., University of Memphis</p>	<p>Srinivasan, S Professor M.A., University of Pittsburg M.S., University of Akron Ph.D., University of Pittsburg</p>
<p>Desai, Mayur Professor B.S., University of Bombay M.S., Texas A&M University, Kingsville, TX M.B.A., Harding Simmons University Ph.D., University of North Texas</p>	<p>Superville, Claude Professor B.B.A., Florida International University M.S., Ph.D., University of Alabama</p>
<p>Hansen, David E. Professor B.A., San Diego State University M.B.A., University of California at Los Angeles Ph.D., Duke University</p>	<p>Vanjani, Mahesh Professor B.Com., University of Calcutta M.B.A., M.A., University of Mississippi Ph.D., University of Mississippi</p>
<p>Ofori-Brobbe, Kwadwo Associate Professor B.A., University of Cape Coast M.B.A., M.P.A., Texas Southern University M.Tax, University of Mississippi Ph.D., University of Texas at Dallas</p>	<p>Wiley, Clara A. Instructor B.S., Texas Southern University M.B.A., Texas Southern University</p>
<p>Ojode, Lucy Associate Professor B. Com., University of Nairobi M.B.A., University of Nairobi Ph.D., University of Illinois, Urbana Champaign</p>	<p>Williams, John H. Associate Professor B.S., Prairie View A & M University M.B.A., University of Texas at Austin Ph.D., University of Texas at Austin</p>
<p>Parks-Yancy, Rochelle Associate Professor B.S., Central State University M.B.A., Howard University Ph.D., Rutgers University</p>	<p>Williams, Johnnie Associate Professor B.A., Rollins College M.S., University of Tennessee Ph.D., University of Tennessee</p>
<p>Ramaswamy, K. V. Professor B.E., University of Madras M.S., Texas Tech University Ph.D., Texas Tech University</p>	<p>Woldie, Mammo Professor B.A., Haile Selassie University M.S., Western Michigan University Ph.D., Oklahoma State University</p>
<p>Robinson, Sammie L. Assistant Professor B.B.A., Southwestern University M.B.A., Southern Methodist University Ph.D., The University of Kansas</p>	<p>Yorke, George G. Professor B.A., Howard University M.S., Howard University Ph.D., University of Virginia</p>

BUSINESS ADMINISTRATION COURSES

BADM 101	Introduction to Business and Entrepreneurship (3) Overview of the nature of business and its environment with focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week.
BADM 111	Leadership Development I (1) Emphasizes the development of communication skills necessary for receiving and transmitting information and concepts. One hour of lecture per week.
BADM 112	Leadership Development II (1) Development of research skills necessary to locate, obtain, and organize information to solve unstructured problems in unfamiliar settings. One hour of lecture per week.
BADM 230	Advanced Communication Skills (3) Development of written communication, oral communication, and presentation skills in the context of critical issues for business. Three hours of lecture per week. Prerequisites: ENG 131, ENG 132, and SC 135.
BADM 234	Legal and Regulatory Environment of Business (3) Legal systems of government, business, and society, including coverage of ethics, contracts, business organizations, creditor/ debtor relationships, international law, environmental issues, and business regulation. Three hours of lecture per week.
BADM 311	Leadership Development III (1) Development of skills necessary to exercise judgment; introduction to ethical precepts in business. One hour of lecture per week.
BADM 450	Organizational Policy and Strategy (3) Integrative, problem-solving course on domestic and international top management problems, strategy, policy formulation, and execution. Three hours of lecture per week. Prerequisites: MGMT 300, FIN 301, MGSC 302, MKTG 306.
BADM 466	Business Internship (3) Faculty supervised work experience where written reports are required. Prerequisites: At least Junior standing (60 semester hours completed) and consent of the instructor.

ENTREPRENEURSHIP COURSES

ENTR 300	Introduction to Entrepreneurship (3) A comprehensive introduction to entrepreneurship. Basic topics include entrepreneurship, entrepreneurs, and new venture development. Individual and team projects including the development of introductory-level business plans. Three hours of lecture per week. Prerequisite: Completion of at least 60 semester credit hours or consent of the instructor.
ENTR 330	New Venture Marketing (3) A study of the fundamentals of marketing research, planning, and strategy as applied to new ventures. Major emphasis on developing market planning and research skills. Three hours of lecture per week. Prerequisite: ENTR 300.
ENTR 335	Financial Foundations for New Ventures (3) Foundational accounting and financial analysis for new ventures. Major emphasis on the production, integration, and interpretation of financial information for use in business planning and capital budgeting. Three hours of lecture per week. Prerequisites: ACCT 231 and ENTR 300.
ENTR 420	Seminar in Entrepreneurship (3) Capstone course in the entrepreneurship concentration. Major emphasis on entrepreneurial skill integration, case analysis, and the development and presentation of an advanced-level business plan. Three hours of lecture per week. Prerequisites: ENTR 300, ENTR 330, and ENTR 335.

MANAGEMENT COURSES

- MGMT 300** **Principles of Management** (3)
Study of the processes of planning, organizing, directing, and controlling in the context of demographic diversity, globalization, and ethical decision making. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
- MGMT 301** **Personnel and Human Resource Development** (3)
Policies, procedures, and strategies for human resource management. Topics include recruitment, selection and utilization, employee appraisal, compensation systems, and career planning. Three hours of lecture per week. Prerequisite: MGMT 300.
- MGMT 330** **Organizational Behavior** (3)
Applications for managing people in modern organizations. Topics include decision-making, motivation, leadership, power, conflict, stress, understanding individual differences, and diversity. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
- MGMT 350** **Critical Thinking and Problem-Solving Skills** (3)
Critical thinking skills and the decision-making process with an emphasis on understanding and improving how we make effective and creative decisions. Three hours of lecture per week. Prerequisite: MGMT 330 or consent of the instructor.
- MGMT 395** **Teambuilding and Organizational Change** (3)
Effective group dynamics and understanding behavior in groups with attention to planning and managing change; individual, group, and system interventions; transformation; and re-engineering processes. Three hours of lecture per week. Prerequisite: MGMT 330.
- MGMT 400** **Small Business Management** (3)
Organizational and administrative problems of the small business manager with emphasis on the inner-city business person and urban development. Three hours of lecture per week.
Prerequisite: MGMT 300 or consent of the instructor.
- MGMT 401** **Leadership and Motivation** (3)
Development of management skills, self-assessment for organizational settings, and the nature of leadership and motivation in theory and practice. Three hours of lecture per week.
Prerequisite: MGMT 330.
- MGMT 402** **International Management** (3)
Management processes as they apply within different cultural environments with emphasis on contrasts among values, beliefs, perceptions, attitudes, and behavior, including consideration of their effects upon business. Three hours of lecture per week.
Prerequisite: MGMT 300 or consent of the instructor.
- MGMT 405** **Business, Government, and Society** (3)
Historical and contemporary views of business as a social institution with a focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
- MGMT 407** **The Legal Environment of Human Resource Management** (3)
Employment laws relevant to human resources professionals, as well as how to apply the laws in various circumstances. Three hours of lecture per week. Prerequisite: MGMT 300.
- MGMT 408** **Managing the Global Workforce** (3)
Managing human resources in global settings and distinguishing international HR practices from domestic HR practices. Three hours of lecture per week. Prerequisite: MGMT 300.
- MGMT 409** **Human Resources Information Systems** (3)
Human resources internet based and software applications. Students also learn contexts in which to apply the software and the importance of securing information. Three hours of lecture per week.
Prerequisites: MGMT 300 and MGSC 304.

MANAGEMENT INFORMATION SYSTEMS COURSES

MIS 204	Fundamentals of Information Systems (3) The management and use of Information Technology in business today by diverse individuals, groups, and organizations. Three hours of lecture per week.
MIS 304	Information Technology (3) Development of software skills and an appreciation of the role of information technology in modern organizations. Three hours of lecture per week. Prerequisite: MIS 204 or CS 116 and 60 semester credit hours completed
MIS 310	Programming Concepts (3) Basic concepts of software programming including the evolution of programming and its implications for businesses. Topics include design of programs using state of the art programming languages, object-oriented programming concepts, and problem-solving skills using software program. Three hours of lecture per week. Prerequisite: MIS 204.
MIS 320	Hardware and Networking (3) Basic understanding of the hardware components of information systems. The course will also address basic networking concepts and various networking approaches used in businesses. Three hours of lecture per week. Prerequisite: MIS 204
MIS 340	Database Design and Development (3) An introductory course in database technology. It provides students an understanding of developing data models and databases using Database Management Systems software. Three hours of lecture per week. Prerequisite: MIS 204.
MIS 350	Advanced Programming (3) Students will apply programming concepts learned in the first programming course to a business problem. Three hours of lecture per week. Prerequisites: MIS 310 and MIS 340.
MIS 410	Systems Analysis and Design (3) Information system development methods using state of the art software development tools. Three hours of lecture per week. Prerequisite: MIS 340.
MIS 420	Web Development (3) Web-based web development tools to design and develop a website. The course will help students develop basic skills to provide web-based solutions to business problems related to e-commerce. Three hours of lecture per week. Prerequisite: MIS 310.
MIS 450	Information Technology Security (3) A course that will expose students to information technology security concepts. Three hours of lecture per week. Prerequisite: MIS 320.
MIS 460	Enterprise Resource Planning (3) Enterprise Resource Planning (ERP) that will provide students with an understanding of integrating functional information systems in an organizational setting. Basic concepts of popular ERP software will also be introduced. Three hours of lecture per week. Prerequisite: MIS 410.
MIS 470	MIS Capstone (3) A capstone course that provides students with an overall understanding of information systems from different perspectives. Student will work on analyzing cases and developing an overall information systems solution using popular software. Three hours of lecture per week. Prerequisite: MIS 410.

MIS 480 **Current Topics** (3)
Current topics in the Management Information System discipline. Topics to be determined by the instructor. Three hours of lecture per week. Prerequisite: MIS 340.

MIS 490 **Internship** (3)
Internship in an information technology (IT) department within an approved organization. Prerequisite: Completion of 18 core hours in the MIS Program.

MANAGEMENT SCIENCE COURSES

MGSC 239 **Business Statistics I** (3)
Basic elements of classical statistical analysis, including descriptive statistics, probability theory, probability distributions, sampling, estimation, and testing in the analysis of business problems. Three hours of lecture per week. Prerequisites: MATH 133 or MATH 135 or higher (except MATH 231) and MATH 138.

MGSC 302 **Operations Management I** (3)
Introduction to organizational and managerial problems in the area of operations. Topics include forecasting, inventory, scheduling, operations planning, and control. Three hours of lecture per week. Prerequisites: MGSC 239 and 60 semester credit hours completed.

MGSC 303 **Operations Management II** (3)
Design, operation, and control of the transformation process in both service and production settings. Topics include: quality assurance, aggregate planning, and queuing analysis. Three hours of lecture per week. Prerequisite: MGSC 302.

MGSC 331 **Business Statistics II** (3)
Special topics in statistics, including regression, correlation, analysis of variance, time series, and non-parametric statistics as related to statistical decision theory applied to business problems. Three hours of lecture per week. Prerequisite: MGSC 239.

MGSC 440 **Supply Chain Management** (3)
A course in Supply Chain Management. Three hours of lecture per week. Prerequisites: MGSC 302 and MIS 340

MARKETING COURSES

MKTG 306 **Principles of Marketing** (3)
Marketing functions and environmental factors related to satisfying consumer needs. Legal, behavioral, ethical, competitive, economic, and technological factors discussed as they affect marketing decisions. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.

MKTG 307 **Marketing Channels and Institutions** (3)
Institutional, functional, and social aspects of distribution channel design and management with emphasis on retail management. Three hours of lecture per week. Prerequisite: MKTG 306.

MKTG 336 **Marketing Communications** (3)
Design and evaluation of marketing communications: communication theory, theories of persuasion and attitude change, promotion mix decisions, and advertiser-agency relationship. Three hours of lecture per week. Prerequisite: MKTG 306.

MKTG 430 **Marketing Decision Making: Theory and Practice** (3)
Role of information in marketing decision making with emphasis on the application of research concepts and methodologies to marketing problems. Three hours of lecture per week. Prerequisites: MGSC 239 and MKTG 306.

MKTG 431 **Entrepreneurial Marketing** (3)
Planning, developing, and implementing marketing programs for entrepreneurial opportunities. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.

MKTG 432	International Marketing	(3)
	Problems and procedures for marketing in foreign countries: effects of foreign cultures and marketing systems on design and execution of marketing. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.	
MKTG 435	Strategic Marketing Management	(3)
	Strategic marketing management concepts: market opportunity analysis; market segmentation, targeting, and positioning; marketing mix strategies; and the marketing control process. Three hours of lecture per week. Prerequisites: MKTG 430 and 90 semester credit hours completed.	
MKTG 444	Professional Selling	(3)
	The universal need for sales, improving sales skills, characteristics and tools needed for success in the profession. Three hours of lecture per week.	

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		TCCNS	MAJOR (MANAGEMENT)	OTHER REQUIREMENTS
42 credits		EQUIVALENT	57 credits	21 credits
Communication:			School Core Requirements	ECON 232 (3)
ENG 131 (3) **		ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)		ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:			BADM 101 (3)	General Electives (12)****
MATH 135 (3)		MATH 1324	BADM 230 (3)	
Life and physical sciences:			BADM 234 (3)	
CHEM 131 or BIOL 143 (3)		CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).			MGMT 300 (3)	
Language, philosophy, and culture:			MKTG 306 (3)	
ENG 2xx (3) ***			MGSC 302 (3)	
Creative arts:			BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137 (3)	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		Major Requirements	
American history:			MGMT 301 (3)	
HIST 231 (3)			MGMT 330 (3)	
HIST 232 (3)			MGMT 395 (3)	
Government/political science:			ENTR 300 (3)	
POLS 235 (3)			MGMT 401 (3)	
POLS 236 (3)			MGMT 402 (3)	
Social and behavioral sciences:			MGSC 303 (3)	
ECON 231 (3)			MIS 304 (3)	
Institutional Options:			MGSC 331 (3)	
SC 135 or 136 (3)		SPCH 1321 or SPCH 1315		
MIS 204 (3)		COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Business & Economics Analysis II	3	
	MATH 135 Math for Bus and Econ Analysis I	3	MIS 204 Fundamentals of Information Systems	3	
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3	
	Creative Arts	3	Life & Physical Sciences	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	BADM 230 Advanced Communication Skills	3	Language, Philosophy & Culture	3	
	Life & Physical Sciences	3	ECON 231 Principles of Economics I	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ECON 232 Principles of Economics II	3	MGMT 301 Personnel and Manpower Dev	3	
	MGMT 300 Principles of Management	3	MGSC 302 Operations Management I	3	
	MGSC 239 Business Statistics I	3	MGMT 330 Organizational Behavior	3	
	MIS 304 Information Technology	3	ENTR 300 Introduction to Entrepreneurship	3	
	FIN 301 Basic Financial Management	3	General Elective	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MGMT 395 Teambuilding and Org. Change	3	BADM 450 Organizational Policy & Strategy	3	
	MGSC 303 Operations Management II	3	MGMT 401 Leadership and Motivation	3	
	MGSC 331 Business Statistics II	3	MGMT 402 International Management	3	
	MKTG 306 Principles of Marketing	3	General Elective	3	
	General Elective	3	General Elective	3	
		15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
WITH ENTREPRENEURSHIP CONCENTRATION
TOTAL CREDITS REQUIRED:120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT WITH ENTREPRENEURSHIP CONCENTRATION)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137 or	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	Major Requirements	
American history:		Management Major	
HIST 231 (3)		Requirements (12)	
HIST 232 (3)		MGMT 301 (3)	
Government/political science:		MGMT 330 (3)	
POLS 235 (3)		MGMT 401	
POLS 236 (3)		MIS 304 (3)	
Social and behavioral sciences:		Entrepreneurship Concentration	
ECON 231 (3)		Requirements (12)	
Institutional Options:		ENTR 300 (3)	
SC 135 or SC 136 (3)		ENTR 330 (3)	
MIS 204 (3)		ENTR 335 (3)	
		ENTR 420 (3)	
		Management Electives (3 hours) from the following):	
		MGMT 395 (3)	
		MGMT 402 (3)	
		MGSC 303 (3)	
		MGSC 331 (3)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
ENTREPRENEURSHIP CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138 Math for Business & Economics Analysis II	3
MATH 135 Math for Bus and Econ Analysis I		3	MIS 204 Fundamentals of Information Systems	4
SC 135 Business & Professional Comm.		3	BADM 234 Legal & Regulatory Envir of Bus	3
Creative Arts		3	Life & Physical Sciences	3
		15hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills		3	Language, Philosophy & Culture	3
Life & Physical Sciences		3	ECON 231 Principles of Economics I	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 232 Principles of Economics II	3	ENTR 330 New Venture Marketing
MGMT 300 Principles of Management		3	MGSC 302 Operations Management I	3
MGSC 239 Business Statistics I		3	MGMT 330 Organizational Behavior	3
FIN 301 Basic Financial Management		3	MIS 204 Information Technology	3
ENTR 300 Introduction to Entrepreneurship		3	General Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MGMT 301 Personnel and Manpower Dev	3	BADM 450 Organizational Policy & Strategy
MKTG 306 Principles of Marketing		3	ENTR 420 Seminar in Entrepreneurship	3
ENTR 335 Financial Foundations for New Ventures		3	MGMT 401 Leadership and Motivation	3
Management Elective		3	General Elective	3
General Elective		3	General Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
WITH HUMAN RESOURCE MANAGEMENT CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT WITH HUMAN RESOURCES MANAGEMENT CONCENTRATION)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
American history:		H.R. Concentration	
HIST 231 (3)		Requirements (21)	
HIST 232 (3)		MGMT 301 (3)	
Government/political science:		MGMT 330 (3)	
POLS 235 (3)		MGMT 407 (3)	
POLS 236 (3)		MGMT 408 (3)	
Social and behavioral sciences:		MGMT 409 (3)	
ECON 231 (3)		MIS 304 (3)	
Institutional Options:		MGSC 331 (3)	
SC 135 or SC 136 (3)		Business Electives (6 hours from the following)	
MIS 204 (3)		MGMT 395 (3)	
		ENTR 300 (3)	
		MGMT 401 (3)	
		MGMT 402 (3)	
		MGSC 303 (3)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
HUMAN RESOURCE MANAGEMENT CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138 Math for Business & Economics Analysis II	3
MATH 135 Math for Bus & Eco Analysis I		3	MIS 204 Fundamentals of Information Systems	3
SC 135 Business & Professional Comm.		3	BADM 234 Legal & Regulatory Envir of Bus	3
Creative Arts		3	Life & Physical Sciences	3
		15hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills		3	Language, Philosophy & Culture	3
Life & Physical Sciences		3	ECON 231 Principles of Economics I	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 232 Principles of Economics II	3	MGMT 330 Organizational Behavior
MGMT 300 Principles of Management		3	MGMT 301 Personnel and Manpower Dev	3
MGSC 239 Business Statistics I		3	MGSC 331 Business Statistics II	3
MKTG 306 Principles of Marketing		3	MGMT 407 The Legal Envir of Human Resource Mgt	3
FIN 301 Basic Financial Management		3	General Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MGMT 408 Managing the Global Workforce	3	BADM 450 Organizational Policy & Strategy
MGSC 302 Operations Management I		3	MGMT 409 Human Resources Information Systems	3
MIS 304 Information Technology		3	Business Elective	3
Business Elective		3	General Elective	3
General Elective		3	General Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT INFORMATION SYSTEMS
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT INFORMATION SYSTEMS)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 131 or ART 135 or ART 137 or ART 202 (3)	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1316 or ARTS 1301 or HUMA 2323 or ARTS 2348		
American history:		Other Major Requirements (24)	
HIST 231 (3)		MIS 304 (3)	
HIST 232 (3)		MIS 310 (3)	
Government/political science:		MIS 320 (3)	
POLS 235 (3)		MIS 340 (3)	
POLS 236 (3)		MIS 410 (3)	
Social and behavioral sciences:		MIS 420 (3)	
ECON 231 (3)		MIS 460(3)	
Institutional Options:		MIS 470 (3)	
SC 135 or SC 136 (3)		MIS Electives (3 hours from the following):	
MIS 204 (3)		MIS 350 (3)	
		MGSC 440 (3)	
		MIS 450 (3)	
		MIS 480 (3)	
		MIS 490 (3)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN
MANAGEMENT INFORMATION SYSTEMS
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138 Math for Business & Economics Analysis II	3
MATH 135 Math for Bus & Eco Analysis I		3	MIS 204 Fundamentals of Information Systems	3
SC 135 Business & Professional Comm.		3	BADM 234 Legal & Regulatory Envir of Bus	3
Creative Arts		3	Life & Physical Sciences	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills		3	Language, Philosophy & Culture	3
Life & Physical Sciences		3	ECON 231 Principles of Economics I	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 232 Principles of Economics II	3	MGMT 300 Principles of Management
MIS 310 Programming Concepts		3	MIS 340 Database Design & Development	3
MIS 320 Hardware & Networking		3	MIS 420 Web Development	3
MGSC 239 Business Statistics I		3	MGSC 302 Operations Management I	3
MIS 304 Information Technology		3	General Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MIS 410 Systems Analysis & Design	3	BADM 450 Organizational Policy & Strategy
MIS Elective		3	MIS 460 Enterprise Resource Planning	3
MKTG 306 Principles of Marketing		3	MIS 470 MIS Capstone	3
FIN 301 Basic Financial Management		3	General Elective	3
General Elective		3	General Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MARKETING)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
American history:		Other Major Requirements (27)	
HIST 231 (3)		MKTG 307 (3)	
HIST 232 (3)		MKTG 336 (3)	
Government/political science:		MKTG 430 (3)	
POLS 235 (3)		MKTG 431 (3) or ENTR 330 (3)	
POLS 236 (3)		MKTG 432 (3)	
Social and behavioral sciences:		MKTG 435 (3)	
ECON 231 (3)		BADM 466 (3)	
Institutional Options:		BADM 466 (3)	
SC 135 or SC 136 (3)		MIS 304 (3)	
MIS 204 (3)		MGSC 331 (3)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138 Math for Business & Economics Analysis II	3
MATH 135 Math for Bus & Eco Analysis I		3	MIS 204 Fundamentals of Information Systems	3
SC 135 Business & Professional Comm.		3	BADM 234 Legal & Regulatory Envir of Bus	3
Creative Arts		3	Life & Physical Sciences	3
	15 hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills		3	Language, Philosophy & Culture	3
Life & Physical Sciences		3	ECON 231 Principles of Economics I	3
	15 hrs		15 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 232 Principles of Economics II	3	MKTG 307 Marketing Channels and Institutions
MKTG 306 Principles of Marketing		3	MKTG 336 Marketing Communications	3
MGSC 239 Business Statistics I		3	MGSC 331 Business Statistics II	3
MIS 304 Information Technology		3	MGSC 302 Operations Management I	3
FIN 301 Basic Financial Management		3	General Elective	3
	15 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	BADM 466 Business Internship	3	BADM 450 Organizational Policy & Strategy
MKTG 430 Marketing Decision Making: Theory and Practice		3	MKTG 432 International Marketing	3
MKTG 431 Entrepreneurial Marketing; or, ENTR 330 New Venture Marketing		3	MKTG 435 Strategic Marketing Management	3
MGMT 300 Principles of Management		3	General Elective	3
General Elective		3	General Elective	3
	15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
WITH ENTREPRENEURSHIP CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MARKETING WITH ENTREPRENEURSHIP CONCENTRATION)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
Mathematics:		BADM 101 (3)	General Electives (12)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	
Life and physical sciences:		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
Language, philosophy, and culture:		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
Creative arts:		BADM 450 (3)	
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
American history:		Other Major Requirement (27)	
HIST 231 (3)		MKTG 307 (3)	
HIST 232 (3)		MKTG 336 (3)	
Government/political science:		MKTG 430 (3)	
POLS 235 (3)		MKTG 435 (3)	
POLS 236 (3)		Entrepreneurship Concentration	
Social and behavioral sciences:		ENTR 300 (3)	
ECON 231 (3)		ENTR 330 (3)	
Institutional Options:		ENTR 335 (3)	
SC 135 or SC 136 (3)		ENTR 420 (3)	
MIS 204 (3)		Business Electives (3 hours from the following):	
		MIS 304 (3)	
		MGSC 331 (3)	
		MKTG 432 (3)	
		BADM 466 (3)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
ENTREPRENEURSHIP CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Business & Economic Analysis II	3	
	MATH 135 Math for Bus & Eco Analysis I	3	MIS 204 Fundamentals of Information Systems	3	
	SC 135 Business & Professional Comm.	3	BADM 234 Legal & Regulatory Envir of Bus	3	
	Creative Arts	3	Life & Physical Sciences	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	BADM 230 Advanced Communication Skills	3	Language, Philosophy & Culture	3	
	Life & Physical Sciences	3	ECON 231 Principles of Economics I	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ECON 232 Principles of Economics II	3	MKTG 307 Marketing Channels and Institutions	3	
	MKTG 306 Principles of Marketing	3	MKTG 336 Marketing Communications	3	
	MGSC 239 Business Statistics I	3	MGSC 302 Operations Management I	3	
	ENTR 300 Introduction to Entrepreneurship	3	ENTR 330 New Venture Marketing	3	
	FIN 301 Basic Financial Management	3	General Elective	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MGMT 300 Principles of Management	3	BADM 450 Organizational Policy & Strategy	3	
	MKTG 430 Marketing Decision Making: Theory and Practice	3	ENTR 420 Seminar in Entrepreneurship	3	
	ENTR 335 Financial Foundations for New Ventures	3	MKTG 435 Strategic Marketing Management	3	
	Business Elective	3	General Elective	3	
	General Elective	3	General Elective	3	
		15 hrs		15 hrs	

**BUSINESS ADMINISTRATION MINOR
FOR NON-BUSINESS MAJORS
TOTAL CREDITS REQUIRED: 27**

27 credits
ECON 231 (3)
ECON 232 (3)
ACCT 231 (3)
ACCT 232 (3)
BADM 234 (3)
FIN 301 (3)
MGMT 300 (3)
MKTG 306 (3)
Business Elective (3)*

*300- or 400-level business course

**ENTREPRENEURSHIP MINOR
FOR NON-BUSINESS MAJORS
TOTAL CREDITS REQUIRED: 27**

27 credits
ECON 231 (3)
ENTR 300 (3)
ACCT 231 (3)
ACCT 232 (3)
BADM 234 (3)
ENTR 330 (3)
ENTR 335 (3)
FIN 301 (3)
ENTR 420 (3)



THE SCHOOL OF COMMUNICATION

THE SCHOOL OF COMMUNICATION

The primary mission of the School of Communication is to prepare students who declare majors and minors in departmental curricular offerings for entry into the workforce, and for graduate study. A secondary mission is to ensure that all students matriculating through the university have an understanding of the impact of communication skills upon all aspects of society.

The School of Communication offers courses in five (5) academic disciplines: Communication (CM), Entertainment and the Recording Industry Management (ERM), Journalism (JOUR), Radio, Television, and Film (RTF), and Speech Communication (SC). In addition to course offerings, four undergraduate or baccalaureate degrees are offered through the School: the Bachelor of Arts (B.A.) in Entertainment and Recording Industry Management; Journalism; Radio, Television and Film; and Speech Communication. It offers one graduate degree: the Master of Arts (M.A.) in Communications. For students who major in disciplines in which the declaration of a minor is required the School offers the following minors: Entertainment and Recording Industry Management; Journalism; Radio, Television, and Film; and Speech Communication. Please refer to The Graduate School Bulletin of Texas Southern University for detailed information on the M.A. in Communications.

In pursuing the Bachelor of Arts (B.A.) in Speech Communication, students may select from two different curriculum concentrations: Intercultural-Interpersonal Communication or Organizational Communication. **Students who are first-time degree seekers in either of the Speech Communication concentrations are required to declare a minor in a second academic discipline.**

Students pursuing a degree in Journalism may select from three concentrations: Print Journalism (minor required), Advertising-Public relations (minor required), and Broadcast Journalism (no minor required).

Selecting a concentration is not required for students seeking a degree in Radio, Television, and Film. In consultation with academic advisors, students may select a combination of radio, television, and film courses (RTF electives only) that are available in the current inventory of courses. Degree plans with and without a minor are available for students interested in radio, television, and film.

The Entertainment and Recording Industry Management degree will be offered as an independent degree in the Fall of 2014, with a required minor in one of the following areas: Music; Business Administration; Accounting; Finance; Human Performance; Radio, Television, and Film; Social Sciences, or any minor approved by the academic advisor. Qualified transfer students may transfer up to thirty (30) credit hours from a degree program from a community college or an accredited institution in any technical area related to Entertainment and the Recording Industry in lieu of declaring a minor.

Students are cautioned that grades less than "C," including "C-," are unacceptable in courses designated as major or minor courses in the pursuit of the degree.

In selecting a minor for various SOC undergraduate curricula, students should seek detailed advisement from their designated advisors to facilitate matriculation through their degree program. An undergraduate student cannot qualify for graduation with fewer than 120 semester credit hours satisfactorily completed.

For a minor in Entertainment and Recording Industry Management (beginning Fall 2014), twenty-two (22) semester credit hours are required through enrollment in the following courses: ERM 130 (3), ERM 205 (4), ERM 210 (3), ERM 310 (3), ERM 320 (3), ERM 420 (3), and ERM 450 (3).

For a minor in Speech Communication, twenty-two (22) semester credit hours are required through enrollment in the following courses: CM 110 (1 credit), SC 136 (3 credits), SC 230 (3 credits), SC 232 (3 credits), SC 330 (3 credits), SC 332 (3 credits), and six (6) additional SC credits of choice, three (3) of which must be at the 300-level or 400-level.

For a minor in Journalism, twenty-three (23) semester credit hours are required through enrollment in the following courses: JOUR 130 (3 credits), JOUR 132 (4 credits), JOUR 238 (4 credits), JOUR 253 (3 credits), and nine (9) additional JOUR credits of choice, all of which must be at the 300-level or 400-level.

For a minor in Radio, Television, and Film, twenty-four (24) semester credit hours are required through enrollment in the following courses: RTF 130 (3), RTF 131 (3), RTF 331 (3), RTF 344 (3), and twelve (12) additional credit hours from the RTF course listing. In selecting the electives, please adhere to course pre-requisite requirements. Consult your academic advisor in selecting elective courses.

A student seeking to pursue a major or minor offered through the School must complete the following courses with grades of "C" or better (grades of "C-" are unacceptable): ENG 131, ENG 132, and CM 130 (majors only). Students must also complete introductory course(s) for the chosen degree and concentration with grades of "C" or better (grades of "C-" are unacceptable): JOUR 130 and JOUR 132 for the Journalism degree (JOUR 132 only for the Advertising and Public relations concentration); SC 136 for the Speech Communication degree; and RTF 130 and RTF 131 for the Radio, Television and Film degree. In addition, students are

responsible for verifying their compliance with TSI requirements and their removal of any academic deficiencies previously identified by the university. Each student is assigned an official advisor and is expected to keep the School informed of address and telephone number changes up to the time of graduation.

Requirements for the Bachelor of Arts (B.A.) in Entertainment and the Recording Industry Management; Journalism; Radio, Television, and Film; and Speech Communication are summarized below. The list delineates the requirements and semester credit hours needed for graduation according to the concentration selected for the respective degree.

In summary, an interested student must: (1) first gain admission to the university; (2) meet his or her TSI responsibility; and (3) eradicate identified academic deficiencies. Once admitted, each student is provided with extensive advisement before and during progression toward the completion of degree requirements. Questions may be directed to the School of Communication Student Services Center at (713)-313-7670. The School of Communication Student Services Center is located in 216 MLK Building. The Dean's Office is located in 222 MLK Building.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Berryhill, Michael Associate Professor A.B., Kenyon College M.A., Ph.D., University of Minnesota</p>	<p>Lee, Eui Bun Professor B.A., Ewha Women's University M.A., University of Minnesota Ph.D., The University of Texas at Austin</p>
<p>Brown-Burton, Rockell Associate Professor B.A., Xavier University M.A., Howard University Ph.D., Wayne State University</p>	<p>Nichols, Zantel Visiting Assistant Professor B.A., University of Iowa M.A., Texas Southern University</p>
<p>Dixon, Tyrone Visiting Assistant Professor B.A., Texas Southern University M.A., American Film Institute</p>	<p>Poudeh, Reza J. Professor A.A.S., School of Television & Cinema, Iran B.S., University of Esfahan, Iran M.S., Ed. D., Boston University</p>
<p>Duncan, Clyde Jr. Visiting Assistant Professor B.A., Texas Southern University B.A., Texas Southern University M.A., Texas Southern University M.A., Texas Southern University Ph.D., Newburgh Theological Seminary, Indiana</p>	<p>Randle, Ladonia Instructor B.A., Huston-Tillotson College M.A., Texas Southern University</p>
<p>Jeffries, Winslow A Visiting Instructor B.A., Southern Illinois University M.A., University of Illinois, Chicago</p>	<p>Regis, Humphrey Professor B.A., University of DC, Washington DC M.A., University of Maryland Ph.D., Howard University</p>
<p>Johnson, Napoleon Visiting Assistant Professor B.A., New Mexico Highlands University M.A., Texas Southern University</p>	<p>Sandifer-Walker, Serbino Assistant Professor B.A., Texas Southern University M.S., Columbia University</p>
<p>Khosrovani, Masoomeh Associate Professor B.A., University of Tehran, Iran M.A., University of Iran M.A., University of Detroit Ph.D., Wayne State University</p>	<p>Thomas, Dominic M. Visiting Instructor B.A., Southern University M.A., Southern University</p>
<p>Thornton, Peter Visiting Instructor B.S., Boston University M.A., Texas Southern University M.S. Ed., University of Southern California</p>	<p>Ward, James W. Professor B.A., Texas Southern University M.A., Texas Tech University Ph.D., Wayne State University</p>
<p>Ulasi, Christian Associate Professor B.S., M.A., Texas Southern University Ph.D., The University of Texas at Austin</p>	<p>Wiley, Marcus Visiting Instructor B.A., Texas Southern University M.A., Texas Southern University</p>
<p>Walker-Hawkins, Vera Associate Professor B.A., Tufts University M.A., Ohio University Ph.D., The University of Texas at Austin</p>	

COMMUNICATION CORE COURSES

- CM 110** **Speech Proficiency Lab** (1)
This course is intended to guide students, through the use of practical applications, to become effective speakers by understanding the speech mechanism and precise, profound, and proficient oral communication expected from majors in journalism, speech and RTF. Two hours of lab per week.
- CM 130** **Introduction to Communication Studies** (3)
Basic concepts, theories and principles operative in the communication process; application of these principles to the acquisition of communication skills. Three hours of lecture per week.
- CM 200** **Introduction to Media Research Techniques and Writing** (3)
Basic skills development in research techniques and in-depth experience in written composition, emphasizing composition as a communication skill; analysis of student proficiency in the basic communication skills as they relate to professions in communication. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132.
- CM 330** **Professional Development and Ethics** (3)
A preparatory course for entering into the job market. Covers a variety of topics including oral communication skills dress code, interview techniques, advanced resume writing, motivational skills, stress management, professional survival and cultural awareness skills.
Three hours of lecture per week. Prerequisite: CM110, CM 130, CM 200.
- CM 332** **Computer Applications in Communication** (3)
Introduction to graphics, multimedia and web design techniques applicable to communication field.
Three hours of lecture and lab per week. Prerequisite: CS 116.
- CM 430** **Internship** (3)
The integration of process and content acquisition through application and practice in real-life situations; structured part-time or full-time internships. Three hours of lecture per week. Prerequisites: 12 semester credit hours earned in a field of concentration in the Department including CM 110, CM 130, CM 200, CM 330, CM 332 and junior or senior standing. May be repeated for up to 6 credits.

COMMUNICATION ARTS AND SCIENCES COURSES (SPEECH COMMUNICATION)

- SC 135** **Business and Professional Communication** (3)
Introduction to the basic oral communication skills needed for careers in business and the professions. Students make presentations, conduct interviews, and participate in problem-solving group discussions. Three hours of lecture per week. **Listed as SPCH 1321 in the Texas Common Course Numbering System.**
- SC 136** **Public Address** (3)
Principles of effective speaking and their application to the preparation, delivery, and evaluation of the basic forms of public messages; stresses public issues, their relevancy and effect. Three hours of lecture per week. **Listed as SPCH 1315 in the Texas Common Course Numbering System.**
- SC 140** **Voice and Diction** (3)
Development of an effective speaking voice through the achievement of proper relaxation, breathing, and vocal resonance. Three hours of lecture per week. **Listed as SPCH 1342 in the Texas Common Course Numbering System.**
- SC 230** **Urban Rhetorical Patterns** (3)
Study of linguistic and rhetorical patterns of major ethnic and socioeconomic groups in urban areas. Three hours of lecture per week.
- SC 232** **Interpersonal Communication** (3)
Study of the interpersonal communication as a dynamic process utilizing verbal and nonverbal cues as the basis of meaningful human interaction. Three hours of lecture per week. **Listed as SPCH 1318 in the Texas Common Course Numbering System.**

- SC 233 **Communication Skills for Health Professionals** (3)
Practice in the development of interpersonal skills in relating to the health professional; practice in the development of the skills of group and public communication. Three hours of lecture per week.
- SC 236 **Argumentation and Debate** (3)
Exploration of principles of argumentation, training, and participation in various types of argumentative speeches and debate. Special inclusion of parliamentary procedures. Three hours of lecture per week. **Listed as SPCH 2325 in the Texas Common Course Numbering System.**
- SC 330 **Persuasion** (3)
Intensive examination of principles and techniques of persuasion and of the critical role of the consumer of persuasive messages. Three hours of lecture per week.
- SC 332 **Group Communication Processes** (3)
Role of communication theory in the making of individual and collective decisions; application of communication theory to principles of leadership in small group decision making. Three hours of lecture per week.
- SC 333 **Interviewing** (3)
Strategies and techniques of interviewing as purposive dyadic interaction for interviewer and interviewee. Includes the study of and practice with various types of interviews. Three hours of lecture per week.
- SC 335 **Rhetorical History and Criticism** (3)
Study of the history of rhetoric and rhetorical criticism: classical, medieval, and contemporary. Three hours of lecture per week. **Offered as needed.**
- SC 338 **Introduction to Organizational Communication** (3)
Basic principles and perspectives of organizational communication; communication networks and structures; decision making; conflict resolution with organizations; impact of styles of communication on organizational relations. Three hours of lecture per week.
- SC 430 **Independent Study** (3)
Independent study in interpersonal/intercultural communication, organizational communication, or rhetorical theory and criticism. Three hours of lecture per week.
- SC 431 **Nonverbal Communication** (3)
The analysis of nonverbal aspects of human communication with special consideration of physical and spatial styles and cues. Three hours of lecture per week.
- SC 432 **Intercultural Communication** (3)
Importance of cultural and ethnic differences as they affect our communication processes in various aspects of personal relations. Three hours of lecture per week.
- SC 433 **Health Communication** (3)
Current issues in delivery of health care, practitioner/patient relationships, the role of private and government agencies in health care, dissemination of health care information. Three hours of lecture per week. **Offered as needed.**
- SC 434 **Principles of Leadership** (3)
Study of the phenomenon of leadership, leadership styles, and leadership techniques, including parliamentary procedures and other strategies of control and influence. Three hours of lecture per week.
- SC 435 **Advanced Public Address** (3)
Study, criticism, and application of the principles and forms of public communication such as oratory, lectures, sermons, argumentation, and debate in a variety of public forums. Three hours of lecture per week. **Offered as needed.**

- SC 436 **Black Rhetoric** (3)
Analysis of rhetorical strategies used by Black Americans to influence agitation and control public policy; emphasis on social, economic, and political developments in twentieth century rhetoric. Three hours of lecture per week.
- SC 438 **Organizational Structure and Communication Behavior** (3)
Analysis of the interdependence of organizational goals and communication behavior from the standpoint of those who must recognize, understand, or design communication systems. Three hours of lecture per week.
- SC 450 **Problems in Speech Communication** (3)
Problems of current concern in speech communication; topics vary according to time and instructor. May be repeated as topics change. Three hours of lecture per week. **Offered as needed.**

ENTERTAINMENT AND RECORDING INDUSTRY MANAGEMENT COURSES

- ERM 130 **Introduction to the Recording Industry** (3)
Examines the development, current policies and issues, organizational structure, function and economics, domestic and global institutions of the recording industry. Three hours of lecture per week.
- ERM 205 **Introduction to Entertainment Business and Financing** (3)
The fundamental understanding of personal finance management and business methods for entertainment practitioners. Three hours of lecture per week.
- ERM 210 **Introduction to Entertainment Production Tools** (4)
A hand-on introductory course to the state of the art audio and music production tools and techniques used in a professional recording studio. The process and methods of audio engineering and recording arts in production and postproduction stages for a variety of media production. Four hours of lecture per week.
- ERM 305 **Ethnic Entertainment** (3)
Examines the role of African Americans and other ethnic entertainment in the new world; Examines the contribution of African, Caribbean, Latin American, and other cultures on ethnic entertainment in the new world. Three hours of lecture per week..
- ERM 310 **Publishing and Media Policy** (3)
Examines legal foundations to intellectual property rights, copyright, current policies, industry structure, processes, corporations, administrative associations, marketplaces, and new issues. Three hours of lecture per week. Prerequisite: ERM 130.
- ERM 320 **Artist Management** (3)
Cover all aspect of managing the careers of music or entertainment artists, from business to publishing and from public relation to contract negotiation. Student will learn the professional techniques in approaching artist management. Three hours of lecture per week. Prerequisites: ERM 130, ERM 205.
- ERM 330 **Business Development and Portfolio** (3)
Covers the essentials of developing a professional business plan. Students will learn how to research, evaluate, strategize, and launch a business for a career. Three hours of lecture per week. Prerequisites: ERM 130, ERM 205, ERM 310, ERM 320, ERM 330.
- ERM 410 **Advanced Entertainment Production Techniques: Practice and Theory** (4)
The course will cover the current methods utilized in the recording industry. Students will be responsible for producing professional quality sound using the techniques acquired in the introductory course (ERM 210). Students, under the supervision of instructors, create, engineer and record music and audio track for various media. Three hours of lecture per week. Prerequisite: ERM 210.
- ERM 420 **Merchandizing and Branding** (3)
Covers promotional and branding techniques used in music and entertainment business. A comprehensive course with emphasis on the retail strategies used in music and entertainment product promotion from designing and packaging to promoting and distribution. Three hours of lecture per week. Prerequisites: ERM 130, ERM 205, ERM 310, ERM 320, ERM 330.

- ERM 450** **Entertainment Management** (3)
The course explores in-depth legal and ethical areas of entertainment management including individual artists, venues, sports, music, and related organizations. Topics may vary. Three hours of lecture per week. Prerequisites: ERM 130, ERM 205, ERM 310, ERM 320, ERM 330.
- ERM 499** **Master Projects** (4)
A capstone and exit exam course for ERM majors. Students will be responsible for creating and designing a comprehensive proposal demonstrating their mastery of skills acquired throughout the program. Each student will be responsible for designing and researching a music or entertainment venture and produce business. Four hours of lecture per week. Prerequisites: ERM 130, ERM 205, ERM 305, ERM 310, ERM 320, ERM 330, ERM 420, ERM 450.

JOURNALISM COURSES

- JOUR 130** **Introduction to Journalism** (3)
Survey of history, theory, aesthetics, and economics of print media; special emphasis is placed on the development of electronic news operation. Three hours of lecture per week. Prerequisite: Concurrently with ENG 131 or ENG 132
- JOUR 132** **Introduction to Reporting** (4)
Introduction to fact gathering news and writing basic and advanced news stories. Students must be able to type at least 30 words per minute. Three hours of lecture and two hours of laboratory per week. Prerequisites: ENG 131 and ENG 132. May take concurrently with ENG 132.
- JOUR 133** **Introduction to Broadcast News** (4)
Introduction to reporting and writing news for the broadcast media. Four hours of lecture per week.
- JOUR 232** **Introduction to Advertising** (3)
Introduction to basic principles of advertising theory and practice. Broad picture of advertising as marketing communications and social information. Three hours of lecture per week.
- JOUR 234** **Introduction to Public Relations** (3)
Introduction to the principles and practices of public relations in business, education, social welfare, government, and the armed forces. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CS 116, JOUR 132. May take concurrently with CM 332.
- JOUR 235** **Online Journalism I** (3)
Hands-on introduction to journalistic writing for online publications and broadcasts using state-of-the-art software. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
- JOUR 238** **Intermediate Reporting** (4)
Development of reporting and writing skills for the print media. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
- JOUR 242** **Intermediate Broadcast News** (4)
Refining skills in gathering, evaluating, and writing news for the broadcast media. Four hours of lecture per week. Prerequisites: JOUR 132 and JOUR 133.
- JOUR 251** **The Black Press** (3)
Survey of the Black press, including a survey of Black journalists, past and present, along with the status of today's Black press. Three hours of lecture per week. Prerequisite: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.
- JOUR 253** **News Editing I** (3)
Development of clear, effective editing, rewriting, headline writing, page make-up, and reporting management for the print media. Three hours of lecture per week.

JOUR 331	Law and Ethics of Journalism Evolution of print and broadcast media in the United States in the context of political, social, and economic change; privileges and responsibilities of a journalist are stressed. Three hours of lecture per week. Prerequisite: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.	(3)
JOUR 332	Advanced Reporting Advanced training and practice in the gathering and writing of news stories with emphasis placed on enterprise ability and publishable quality stories. Four hours of lecture per week. Prerequisite: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 238. May take concurrently with CM 332.	(4)
JOUR 333	Newspaper Design Introduction to basic camera-ready production techniques for tabloid and standard newspaper designs. Three hours of lecture per week. Prerequisite: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 253.	(3)
JOUR 335	Computer Assisted Reporting Advanced training in the use of various database software products for contemporary reporting. Three hours of lecture per week.	(3)
JOUR 356	Advertising and PR Campaigns Emphasis on group coordination of advertising and public information campaigns; development of strategies for local and national campaigns, including marketing media planning, research, and segmentation. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 132.	(3)
JOUR 430	Independent Study Independent study in history, ethics, practice, law, and aesthetics of journalism. Prerequisites: Junior/Senior standing and consent of the instructor or faculty chair.	(3)
JOUR 431	Community News Operations Planning and preparation of news, features, and editorials for the rural and urban community newspaper; emphasis on weekly publications; practical problems in community issues. Three hours of lecture per week.	(3)
JOUR 433	Public Affairs Reporting Advanced training and practice in reporting the affairs of municipal, county, state, and federal agencies. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 234, JOUR 238, JOUR 332.	(3)
JOUR 435	Multimedia Graphic Designs Hands-on approach to designing publications using contemporary software and online graphic techniques. Emphasis placed on the use of up-to-date contemporary software products. Three hours of lecture per week.	(3)
JOUR 437	Feature Writing Researching and writing feature stories such as human interest stories and personal columns presented. Three hours of lecture per week.	(3)
JOUR 438	Online Journalism II Advanced training for online publications and broadcast using state-of-the-art software. Three hours of lecture per week.	(3)
JOUR 443	Advanced Broadcast News Advanced training and practice in broadcast news production; emphasis on production of audition tape and portfolio-quality material. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 238, JOUR 242.	(4)
JOUR 450	Problems in Journalism Problems of current concern in journalism; topics may vary according to time and instructor. May be repeated as topics change. Three hours of lecture per week. Prerequisites: Junior/senior standing and consent of the faculty chair.	(3)

- RTF 340** **Digital Effects for Film and Video** (4)
Techniques in creating complex visual effects for film and video using the latest effect creation applications. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, and RTF 268. May be repeated once.
- RTF 344** **Media Management and Marketing** (3)
Introduction to the basic elements involved in the day-to-day operation of various electronic media, including broadcast radio and television stations and cable. Three hours of lecture per week. Prerequisites: RTF 130 and RTF 131.
- RTF 345** **Producing Media for the Web and Beyond** (4)
Tools and techniques in developing material for the Web and the new media including the latest applications in streaming media technologies. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, and RTF 268. **May be repeated once.**
- RTF 352** **Introduction to Documentary Film** (3)
A survey of documentary filmmaking in the United States and the world. Covers structure, forms, theories and marketing of documentaries. Includes screening and analysis of significant documentary films and the process of producing documentaries. Three hours of lecture per week. Prerequisites: RTF 131.
- RTF 353** **Digital Film Production I** (4)
A hands-on, introductory course to digital filmmaking using new digital video equipment. Includes scriptwriting, producing, directing and editing a number of shorts using digital video cameras and editing applications such as Avid and Final Cut Pro. Students are responsible for materials used in the course. The School will provide equipment only. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 335.
- RTF 355** **Television Production** (4)
Introduction to the process of producing programs for television and broadcast news using multi-camera studio production techniques. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. **May be repeated once.**
- RTF 358** **Digital Film and Video Postproduction** (4)
Tools and techniques in advanced video editing using state of the art applications. Includes both image and sound editing techniques. Topics may vary depending on the applications. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 255, RTF 268. **May be repeated twice.**
- RTF 360** **Voice and Diction for Media Performance** (4)
Beginner's voice training for professional performance in radio, film, television and the news media. Includes resonance and articulation, phonation, and posture/relaxation. Emphasis will be on using Standard American diction. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. **May be repeated once.**
- RTF 361** **Introduction to Radio Operations** (4)
Tools and techniques in modern digital radio operation using KTSU radio station facilities. Includes instructions for acquiring effective techniques for on-air delivery of interviews, news, sports, etc. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. **May be repeated once.**
- RTF 362** **Film and Television Sound** (4)
The theory and techniques of designing sound for film and television. The course covers the role of sound in effective storytelling. The topics may include location and studio recording, Foley and dialog replacement techniques, as well as CONCENTRATIONs mixing. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131.

RTF 371	<p>Studies in Film History (3)</p> <p>Critical assessment of theory and technique of film communication with focus on major genres, periods, movement, and personalities in national and international film history. Three hours of lecture per week with one two-hour film screening each week as required by the topic. Prerequisites: RTF 130, RTF 131 and consent of the instructor.</p>
RTF 380	<p>Producing (3)</p> <p>The process of creating a television program or developing a film project. Student will learn the complexities of dealing with the industry through negotiation with the decision makers as sponsors, network or film industry. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, RTF 335.</p>
RTF 381	<p>Broadcast Responsibilities (3)</p> <p>Same as JOUR 331. Examination of the legal, economic, and social responsibilities and requirements that must be satisfied by print, electronic media, and cable operators in the United States. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 344.</p>
RTF 382	<p>Film and Video Lighting (4)</p> <p>Lighting techniques for film and video using a variety of lighting instruments. Lighting aesthetics for film and video will be explored through demonstration and hands-on practice. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 255, and RTF 268.</p>
RTF 430	<p>Independent Study (3)</p> <p>Independent study in the history, economics, production, and management of print and/or electronic media. Three hours of lecture per week. Prerequisites: Upper-level standing and consent of the instructor and academic advisor.</p>
RTF 435	<p>Advanced Writing for Electronic Media and Film (3)</p> <p>Advanced work in coaching students through the process of developing complete proposals from script to screen. Includes writing concepts, treatments, scripts, and planning and marketing strategies for various media projects. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 335.</p>
RTF 438	<p>Media and Society (3)</p> <p>Critical assessment of media on society with focus on special topics related to media in cultural contexts. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 331.</p>
RTF 452	<p>Documentary Production (4)</p> <p>The course will cover proposal writing, research, shooting, editing and packaging of short documentaries. This is a hands-on course that requires outside class involvement. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131, RTF 255, RTF 268.</p>
RTF 453	<p>Digital Film Production II (4)</p> <p>An advanced film production course using HD camera gear. Students will shoot a number of short assignments, either fiction or documentary, and edit them on Avid or Final Cut Pro. Post-production support for sound mixing will be provided. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 268 with a grade of B or better.</p>
RTF 460	<p>Advanced Voice Training (4)</p> <p>Advanced voice training for professional careers in media performance using various training techniques. KTSU personalities may coach students. Designed for students interested in careers in radio, TV, commercials, spokespersons, etc. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 360. May be repeated once.</p>

- RTF 461** **Radio Programming and Production** (4)
 Advanced techniques in operation, programming and special productions for radio for students seeking careers in professional radio. Students will be actively integrated into daily operation of the KTSU radio station located on campus under the supervision of the instructors and mentors. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites RTF 130, RTF 131, RTF 361. **May be repeated once.**
- RTF 462** **New Communications Technologies** (3)
 Examination of applications and potential effects of new media and information technologies in the home and workplace and for education and social services with their relation to existing systems. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor.
- RTF 470** **Directing Film and Television** (4)
 The course covers the all aspects of directing film for theatrical release or television. Includes subjects from script analysis to pre-production planning, from casting and rehearsing to working with the technical crew to create a vision, and finally how to work with an editor to complete a project. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, or RTF 353 and RTF 268. (Enrollment in THC 431 or a similar course, in which student direct actors, is strongly recommended before taking this course.
- RTF 480** **Film Marketing and Distribution** (3)
 An examination of all aspects of film sales, a very important part of the film industry, and the techniques of having a successful career in this field. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381.
- RTF 481** **Media Sales** (3)
 Covers a variety of topics in one the most important aspects of media functions. Students will learn the process of selling advertising for electronic media. Market analysis, audience measurement and ad placement will be analyzed. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor. May be repeated once.
- RTF 498** **International Communication** (3)
 Comparative study of domestic and international systems of broadcasting with focus on political, social, cultural, and economic factors affecting the use and impact of new and old communication technologies. Topics vary from semester to semester. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor.
- RTF 499** **Master Projects for Professional Portfolios** (4)
 Professional quality production projects, or comprehensive proposal development for projects in radio, television, film or multimedia, to support student job search portfolio. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: Upper-level standing and consent of the instructor.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION
INTERCULTURAL-INTERPERSONAL CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (SPEECH)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	46 credits	11 credits	21 credits
Communication:		CM 110 (1)	Elective (11)	Contact Department
ENG 131 (3) **	ENGL 1301	CM 130 (3)		of choice after
ENG 132 (3)	ENGL 1302	CM 200 (3)		being admitted as
Mathematics:		CM 330 (3)		a major in the
MATH 133 (3)	MATH 1314	CM 332 (3)		Department.
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	SC 136 (3)		
GEOL 141 (3)	GEOL 1303	SC 230 (3)		
Language, philosophy, and culture:		SC 232 (3)		
ENG 2xx (3) ***		SC 330 (3)		
Creative arts:		SC 332 (3)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	SC 431 (3)		
American history:		SC 432 (3)		
HIST 231 (3)	HIST 1301	SC 433 (3)		
HIST 232 (3)	HIST 1302			
Government/political science:		SC Electives (6)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
Institutional Options:				
SC 135 (3)	SPCH 1315			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION
INTERCULTURAL-INTERPERSONAL CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	PSY 131or SOC 157 or SOC 158
BIOL 143		3	ENG 132	3
SC 135 (Business & Professional Com.)		3	ART 139, or CS 116	3
CM 110 (Speech Proficiency Lab)		1	SC 136 (Public Address)	3
CM 130 (Intro to Communication Studies)		3	MATH 133	3
		13hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	HIST 231	3	HIST 232
ENG 230 or ENG 231 or ENG 235 or 244		3	GEOL 141	3
CM 200 (Intro. to Media Research Tech.)		3	SC 232 (Interpersonal Communication)	3
SC 230 (Urban Rhetorical Patterns)		3	Minor	3
Elective		4	Elective	4
		16hrs		16hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	POLS 235	3	Minor
Minor		3	CM 330 (Professional Dev. & Ethics)	3
Minor		3	POLS 236	3
CM 332 (Computers in Communication)		3	SC 332 (Group Com. Process)	3
SC330 (Persuasion)		3	SC Elective	3
		15hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	Minor	3	Minor
CM 430 (Internship)		3	Minor	3
SC 431 (Nonverbal Communication)		3	SC 433 (Health Communication)	3
SC 432 (Intercultural Communication)		3	SC Elective	3
Elective		3	ART 135, or ART 137, or THC 130 or MUSI 131	3
		15hrs		15hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION
ORGANIZATIONAL COMMUNICATION CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (SPEECH)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	46 credits	11 credits	21 credits
Communication:		CM 110 (1)	Elective (11)	Contact Department
ENG 131 (3) **	ENGL 1301	CM 130 (3)		of choice after
ENG 132 (3)	ENGL 1302	CM 200 (3)		being admitted as
Mathematics:		CM 330 (3)		a major in the
MATH 133 (3)	MATH 1314	CM 332 (3)		Department.
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	SC 136 (3)		
GEOL 141 (3)	GEOL 1303	SC 230 (3)		
Language, philosophy, and culture:		SC 232 (3)		
ENG 2xx (3) ***		SC 330 (3)		
Creative arts:		SC 332 (3)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	SC 333 (3)		
American history:		SC 338 (3)		
HIST 231 (3)	HIST 1301	SC 434 (3)		
HIST 232 (3)	HIST 1302	SC 438 (3)		
Government/political science:		SC Electives (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
Institutional Options:				
SC 135 (3)	SPCH 1315			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION
ORGANIZATIONAL COMMUNICATION CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131	3	PSY 131or SOC 157 or SOC 158	3
	BIOL 143	3	ENG 132	3
	SC 135 (Business & Professional Comm.)	3	ART 139 or CS 116	3
	CM 110 Speech Proficiency Lab	1	SC 136 (Public Address)	3
	CM 130 (Introduction to Communication Theory)	3	MATH 133	3
	Elective	1		
	14hrs		15hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231	3	HIST 232	3
	ENG 230 or ENG 231 or ENG 235 or 244	3	GEOL 141	3
	CM 200 (Intro to Media Research)	3	SC 232 (Interpersonal Communication)	3
	SC 230 (Urban Rhetorical Patterns)	3	Minor	3
	Elective	4	CM 330 (Professional Dev. & Ethics)	3
	16hrs		15hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	POLS 235	3	POLS 236	3
	Minor	3	SC 332 (Group Communication Processes)	3
	Minor	3	SC 333 (Interviewing)	3
	SC 330 (Persuasion)	3	SC 338 (Introduction to Organizational Communication)	3
	CM 332 (Computers in Comm.)	3	Minor	3
	15hrs		15hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Minor	3	Elective	6
	Minor	3	ART 135 or ART 137 or THC 130 or MUSI 131	3
	CM 430 (Internship)	3	SC 438 (Organizational Structure and Communication Behavior)	3
	SC 434 (Principles of Leadership)	3	Minor	3
	SC Elective	3		
	15hrs		15hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN JOURNALISM - PRINT JOURNALISM CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	55 credits	2 credits	21 credits
Communication:		CM 110 (1)	Elective courses (2)	Contact Department
ENG 131 (3) **	ENGL 1301	CM 130 (3)		of choice after
ENG 132 (3)	ENGL 1302	CM 200 (3)		being advised by
Mathematics:		CM 330 (3)		major advisor.
MATH 133 (3)	MATH 1314	CM 332 (3)		
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	JOUR 130 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 132 (4)		
Language, philosophy, and culture:		JOUR 235 (3)		
ENG 2xx (3) ***		JOUR 238 (4)		
Creative arts:		JOUR 253 (3)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	JOUR 331 (3)		
American history:		JOUR 332 (4)		
HIST 231 (3)	HIST 1301	JOUR 335 (3)		
HIST 232 (3)	HIST 1302	JOUR 435 (3)		
Government/political science:				
POLS 235 (3)	GOVT 2305	plus		
POLS 236 (3)	GOVT 2306	9 additional General		
Social and behavioral sciences:		Upper-level JOUR		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOC 1301 or SOC 1306	Elective credits approved by the major advisor		
Institutional Options:				
SC 135 or SC136 (3)	SPCH 1315 or SPCH 1321			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN JOURNALISM
PRINT CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	JOUR 132 (Introduction to Reporting)	4
	BIOL 143	3	PSY 131 or SOC 157 or 158	3
	SC 135 or SC136	3	ENG 132	3
	CM 130 (Intro to Communication Theory)	3	MATH 133	3
	JOUR 130 (Introduction to Journalism)	3	ART 139 or CS 116	3
	CM 110 (Speech Proficiency Lab)	1		
	16hrs		16hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 or ENG 231 or ENG 235 or 244	3	JOUR 238 (Intermediate Reporting)	4
	CM 200 (Intro to Media Research Tech.)	3	JOUR 253 (News Editing I)	3
	JOUR 235 (Online Journalism I)	3	HIST 232	3
	HIST 231	3	POLS 236	3
	POLS 235	3	ART 135 or ART 137 or THC 130 or MUSI 131	3
	15hrs		16hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CM 332 (Computers in Communication)	3	GEOL 141	3
	JOUR 331 (Law and Ethics of Journalism)	3	JOUR 335 (Computer Assisted Reporting)	3
	JOUR 332 (Advanced Reporting)	4	CM 330 (Professional Dev. & Ethics)	3
	Minor	3	JOUR Elective (s)	3
	JOUR Elective	3	Minor	3
	16hrs		15hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CM 430 (Internship)	3	Minor	12
	JOUR Elective	3	Elective	2
	JOUR 435 (Multimedia Graphics)	3		
	Minor	3		
	15hrs		14hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN JOURNALISM
ADVERTISING AND PUBLIC RELATIONS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	55 credits	2 credits	21 credits
Communication:		CM 110 (1)	Elective courses (2)	Contact Department of choice after being advised by major advisor.
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
Mathematics:		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	JOUR 132 (4)		
GEOL 141 (3)	GEOL 1303	JOUR 232 (3)		
Language, philosophy, and culture:		JOUR 234 (3)		
ENG 2xx (3) ***		JOUR 235 (3)		
Creative arts:		JOUR 238 (4)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	JOUR 253 (3)		
American history:		JOUR 331 (3)		
HIST 231 (3)	HIST 1301	JOUR 332 (4)		
HIST 232 (3)	HIST 1302	JOUR 335 (3)		
Government/political science:		JOUR 356 (3)		
POLS 235 (3)	GOVT 2305	JOUR 435 (3)		
POLS 236 (3)	GOVT 2306	plus		
Social and behavioral sciences:		JOUR Elective (3)		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306	credits approved by the major advisor		
Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1315 or SPCH 1321			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN JOURNALISM
ADVERTISING AND PUBLIC RELATIONS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	JOUR 132 (Introduction to Reporting)
BIOL 143		3	PSY 131 or SOC 157 or 158	3
SC 135 or SC136		3	ENG 132	3
CM 130 (Intro to Communication Theory)		3	MATH 133	3
ART 139 or CS 116		3	HIST 231	3
CM 110 (Speech Proficiency Lab)		1		
		16hrs		16hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 230 or ENG 231 or ENG 235 or 244	3	POLS 235
CM 200 (Intro to Media Research Tech.)		3	JOUR 238 (Intermediate Reporting)	4
JOUR 232 (Introduction to Advertising)		3	JOUR 253 (News Editing I)	3
JOUR 235 (Online Journalism I)		3	JOUR 234 (Introduction to Public Relations)	3
HIST 232		3	ART 135, or ART 137, or THC 130, or MUSI 131	3
		15hrs		16hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CM 332 (Computers in Communication)	3	GEOL 141
JOUR 331 (Law and Ethics of Journalism)		3	JOUR 335 (Intermediate Desktop Publishing)	3
JOUR 332 (Advanced Reporting)		4	JOUR 356 (Advertising and PR Campaign)	3
POLS 236		3	CM 330 (Professional Dev. & Ethics)	3
Minor		3	Minor	3
		16hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 (Internship)	3	Minor
JOUR Elective		3	Electives	2
JOUR 435 (Advanced Desktop Publishing)		3		
Minor		6		
		15hrs		11hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN JOURNALISM - BROADCAST JOURNALISM CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	74 credits	4 credits	0 credits
Communication:		CM 110 (1)	Elective (4)	A minor is NOT
ENG 131 (3) **	ENGL 1301	CM 130 (3)		required for this
ENG 132 (3)	ENGL 1302	CM 200 (3)		concentration.
Mathematics:		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	JOUR 130 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 132 (4)		
Language, philosophy, and culture:		JOUR 133 (4)		
ENG 2xx (3) ***		JOUR 235 (3)		
Creative arts:		JOUR 238 (4)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	JOUR 242 (4)		
American history:		JOUR 253 (3)		
HIST 231 (3)	HIST 1301	JOUR 331 (3)		
HIST 232 (3)	HIST 1302	JOUR 332 (4)		
Government/political science:		JOUR 335 (3)		
POLS 235 (3)	GOVT 2305	JOUR 443 (4)		
POLS 236 (3)	GOVT 2306	RTF 131 (3)		
Social and behavioral sciences:		RTF 255 (4)		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOVI 1301 or SOVI 1306	RTF 268 (4)		
Institutional Options:		RTF 355 (4)		
SC 135 or SC 136 (3)	SPCH 1315 or SPCH 1321	RTF 360 (4)		
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN JOURNALISM
BROADCAST JOURNALISM CONCENTRATION
FOUR YEAR DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	CM 130 (Intro to Communication Theory)	3	JOUR 132 (Introduction to Reporting)
JOUR 130 (Introduction to Journalism),		3	JOUR 133 (Broadcast News I)	4
ENG 131		3	ENG 132	3
SC 135 or SC 136		3	MATH 133	3
ART 139 or CS 116		3	CM 110 Speech Proficiency Lab	1
		15hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CM 200 (Intro to Media Research Tech.)	3	JOUR 238 (Intermediate Reporting)
JOUR 235 (Online Journalism I)		3	JOUR 253 (News Editing I)	3
ENG 230 or ENG 231 or ENG 235 or 244		3	JOUR 242 (Intermediate Broadcast News)	4
RTF 131(Intro to Media Aesthetics)		3	BIOL 143	3
RTF 255 (Intro to Videography)		4		
		16hrs		14hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year			JOUR 335 (Intermediate Desktop Publishing)
JOUR 331 (Law and Ethics of Journalism)		3	RTF 360 (Voice and Diction)	4
JOUR 332 (Advanced Reporting)		4	CM 330 (Professional Development)	3
GEOL 141		3	POLS 235	3
RTF 268 (Intro to Digital Video Editing)		4	HIST 231	3
		14hrs		16hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 (Internship)	3	HIST 232
JOUR 443 (Advanced Broadcast News)		4	PSY 131or SOC 157 or SOC 158	3
POLS 236		3	ART 135 or ART 137 or THC 130 or MUSI 131	3
RTF 355 (Television Production)		4	CM 332 (Computers in Communication)	3
			Elective	4
		14hrs		16hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN RADIO, TELEVISION, AND FILM
WITH MINOR OPTION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (RADIO, TELEVISION, AND FILM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	54 credits	3 credits	21 credits
Communication:		CM 110 (1)	Elective courses (3)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
Mathematics:		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
Language, philosophy, and culture:		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
Creative arts:		RTF 335 (3)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	RTF 344 (3)		
American history:		RTF 438 (3)		
HIST 231 (3)	HIST 1301	RTF 499 (4)		
HIST 232 (3)	HIST 1302			
Government/political science:		plus		
POLS 235 (3)	GOVT 2305	12 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
Social and behavioral sciences:		the list of RTF elective		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306	courses or courses in a specific concentration		
Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1315 or SPCH 1321			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

Note: In selecting RTF electives, adhering to prerequisite requirements is mandatory.

**BACHELOR OF ARTS DEGREE IN RADIO/TELEVISION/FILM
WITH MINOR OPTION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	PSY 131 or SOC 157 or SOC 158
BIOL 143		3	ENG 132	3
SC 135 or SC 136		3	MATH 133	3
CM 130 (Intro to Communication Studies)		3	CM 200 (Intro to Media Research Tech.)	3
CM 110 (Speech Proficiency Lab)		1	ART 139 or CS 116	3
		13hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	HIST 231	3	HIST 232
ENG 230 or ENG 231 or ENG 235 or 244		3	GEOL 141 (3)	3
RTF 130 (Intro to Media Studies)		3	RTF 135 (Intro to Photography)	4
RTF 131 (Intro to Media Aesthetics)		3	CM 330 (Professional Development)	3
ART 135 or ART 137 or THC 130 or MUSI 131		3	POLS 235	3
		15hrs		16hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CM 332 (Computers in Communication)	3	Approved Upper-Level RTF Electives
RTF 331 (Media Analysis and Criticism)		3	Electives	3
RTF 335 (Writing for Electronic Media and Film)		3		
RTF 344 (Media Management & Marketing)		3		
POLS 236		3		
		15hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 (Internship)	3	Minor
Minor		6		
RTF 438 (Media and Society)		3		
RTF 499 (Master Projects)		4		
		16hrs		15hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN RADIO, TELEVISION, AND FILM
WITHOUT MINOR OPTION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (RADIO, TELEVISION AND FILM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	75 credits	3 credits	0 credits
Communication:		CM 110 (1)	Elective courses (3)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
Mathematics:		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
Life and physical sciences:		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
Language, philosophy, and culture:		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
Creative arts:		RTF 335 (3)		
ART 135 OR ART 137 OR THC 130 OR MUSI 131 (3)	ART 1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1301	RTF 344 (3)		
American history:		RTF 438 (3)		
HIST 231 (3)	HIST 1301	RTF 499 (4)		
HIST 232 (3)	HIST 1302			
Government/political science:		plus		
POLS 235 (3)	GOVT 2305	33 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
Social and behavioral sciences:		the list of RTF elective		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOC 1301 or SOC 1306	courses or courses in a specific concentration		
Institutional Options:				
SC 135 or 136 (3)	SPCH 1315 or SPCH 1321			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

Note: In selecting RTF electives, adhering to prerequisite requirements is mandatory.

**BACHELOR OF ARTS DEGREE IN RADIO/TELEVISION/FILM
WITHOUT MINOR OPTION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	PSY 131 or SOC 157 or SOC 158	3
	BIOL 143	3	ENG 132	3
	SC 135 or SC 136	3	ART 139 or CS 116	3
	CM 130 (Introduction to Communication Studies)	3	MATH 133	3
	CM 110 (Speech Proficiency Lab)	1	CM 200 (Intro to Media Research Tech.)	3
	13hrs		15hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231	3	HIST 232	3
	ENG 230 or ENG 231 or ENG 235 or 244	3	GEOL 141	3
	RTF 130 (Introduction to Media Studies)	3	RTF 135 (Introduction to Photography)	4
	RTF 131 (Intro to Media Aesthetics)	3	CM 330 Professional Development	3
	ART 135 or ART 137 or THC 130 or MUSI 131	3	POLS 235	3
	15hrs		16hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CM 332 (Computers in Communication)	3	Approved Upper-Level RTF Electives	15
	RTF 331 (Media Analysis and Criticism)	3		
	RTF 335 (Writing for Electronic Media and Film)	3		
	RTF 344 (Electronic Media Practices)	3		
	POLS 236	3		
	15hrs		15hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CM 430 (Internship)	3	Approved Upper-Level RTF Elective(s)	15
	Approved Upper-Level RTF Elective(s)	3		
	RTF 438 (Media and Society)	3		
	RTF 499 (Master Projects)	4		
	Electives	3		
	16hrs		15hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN ENTERTAINMENT AND
THE RECORDING INDUSTRY MANAGEMENT
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ENTERTAINMENT & RECORDING)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	52 credits	0-5 credits	21- 27 credits
Communication:		CM 110 (1)	Elective	Choose one from the
ENG 131 (3) **	ENGL 1301	CM 130 (3)		following areas:
ENG 132 (3)	ENGL 1302	CM 200 (3)		MUSIC
Mathematics:		CM 330 (3)		BUSINESS ADMINISTRATION
MATH 133 (3)	MATH 1314	CM 332 (3)		ACCOUNTING
Life and physical sciences:		CM 430 (3)		FINANCE
BIOL 143 (3)	BIOL 1308			HUMAN PERFORMANCE
GEOL 141 (3)	GEOL 1303	ERM 130 (3)		RADIO, TELEVISION & FILM
Language, philosophy, and culture:		ERM 205 (3)		SOCIAL SCIENCES or
ENG 2xx (3) ***		ERM 210 (4)		Approved minor by
Creative arts:		ERM 305 (3)		the academic advisor
MUSI 239 (3)	HUMA 1315	ERM 310 (3)		or
American history:		ERM 320 (3)		Transfer of up to 30
HIST 231 (3)	HIST 1301	ERM 330 (3)		credit hours from a
HIST 232 (3)	HIST 1302	ERM 410 (4)		degree program from
Government/political science:		ERM 420 (3)		a community college
POLS 235 (3)	GOVT 2305	ERM 450 (3)		or an accredited
POLS 236 (3)	GOVT 2306	ERM 499 (4)		Institution in any
Social and behavioral sciences:				technical area related
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			to entertainment and the recording industry
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
ART 139 or CS 116 (3)	HUMA 2319 or COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN ENTERTAINMENT AND
THE RECORDING INDUSTRY MANAGEMENT
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English	3	CM 110 Speech Proficiency Lab
MATH 133 College Algebra		3	ENG 132 Freshman English II	3
PSY 131 or SOC 157 or SOC 158		3	SC 135 or SC 136	3
BIOL 143 Survey of Life Science		3	HIST 231 Social and Political History	3
ART 139 or CS 116		3	CM130 Intro. to Communication Studies	3
			ERM 130 Introduction to the Recording Industry	3
	15hrs		16hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 230 or ENG 231 or ENG 235 or 244	3	GEOL 141
HIST 232 Social & Political History of the U.S. Since 1877		3	POLS 235	3
CM 200 Intro to Media Research		3	CM 330 Professional Development and Ethics	3
CM 332 (Computers in Communication)		3	ERM 205 Introduction to Entertainment Business and Financing	3
MUSI 239 Fine Arts in Daily Living		3	Elective	3
		15hrs		15hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	POLS 236	3	CM 430 Internship
ERM 210 Introduction to Entertainment Production Tools		4	ERM 310 Publishing and Media Policy	3
ERM 305 Ethnic Entertainment		3	ERM 320 Artist Management	3
Minor		3	ERM 330 (3) Business Development and Portfolio	3
Minor		3	Minor	3
		16hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ERM 410 Advanced Entertainment Production Techniques: Practice and Theory	4	ERM 450 Entertainment Management
ERM 420 Merchandizing and Branding		3	ERM 499 Master Projects	4
Minor		3	Minor	3
Minor		3	Minor	3
Elective		2		
	15hrs		13hrs	



COLLEGE OF EDUCATION

COLLEGE OF EDUCATION

OVERVIEW

The College of Education consists of four instructional departments (**Curriculum and Instruction, Educational Administration and Foundations, Counseling, and Health and Kinesiology**) through which four undergraduate degrees and six graduate degrees are offered. The four undergraduate degrees are the Bachelor of Science (B.S.) in Interdisciplinary Studies, the Bachelor of Science (B.S.) in Health, the Bachelor of Science (B.S.) in Human Performance, the Bachelor Science (B.S.) in Sports Management and the Bachelor of Science (B.S.) in Human Performance/Athletic Training. The six graduate degrees are the Master of Education (M.Ed.) in Counselor Education, the Master of Education (M.Ed.) in Educational Administration, the Master of Science (M.S.) in Health and Human Performance, the Master of Education (M.Ed.) in Curriculum and Instruction, and the Doctor of Education (Ed.D.). The Master of Education (M.Ed.) in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, and Special Education. Two of the departments in the College, the Department of Educational Administration and Foundations and the Department of Counseling, are unique at the University in that they offer graduate level degrees only.

Students who are interested in obtaining detailed information on the graduate degrees offered through the College, as well as more information on the Department of Educational Administration and Foundations and the Department of Counseling, should consult the Graduate School Bulletin of Texas Southern University.

The College is organized with a Dean, an Associate Dean, an Assistant Dean, and four Department Chairs. The Dean, Associate Dean, Assistant Dean and Department Chairs are housed in the Roderick R. Paige Education Building with the exception of the Chair of the Department of Health and Kinesiology, who is located in Room 103 of the Health and Physical Education Building. The Dean's Office is located in the Roderick R. Paige Education Building, Room 240.

The Director of Field Experiences and Clinical Practice and the Director of Certification are housed in the Roderick R. Paige Education Building and they share the same office suite. Students interested in applying for the Educator Preparation Program should obtain application forms from the Office of Field Experiences and Clinical Practice. Students interested in applying to take the Texas Examination for Educator Standards (TExES) or who seek to be recommended for certification should contact the Director of Certification. Both offices are located in Suite 100 of the Roderick R. Paige Education Building. These offices may also be reached by calling (713)313-7434.

A limited number of scholarships may be available for candidates who are preparing for the teaching field. Interested candidates should contact the Office of the Dean for details.

MISSION STATEMENT

The mission of the College of Education is *to provide competent professionals for effective service in urban schools, agencies and other entities using research and collaboration in seeking solutions to teaching, learning, and behavioral challenges facing urban populations.* The COE is committed to preparing professionals who will be caring, competent, committed, and culturally responsive, especially in urban school communities.

ADMISSION INFORMATION

Admission to the College of Education's Educator Preparation Program is governed by the following criteria:

1. Completion of the Educator Preparation Program application.
2. Submission of a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
3. Completion of the core requirements of forty-two (42) semester credit hours and those identified in the degree plan.
 - 6 hours of English composition (ENG 131, 132)
 - 3 hours of English Literature (ENG 230)
 - 3 hours of Speech (SC 135 or 136)
 - 8 hours of Science (BIOL 143, PHYS 101)
 - 3 hours of Mathematics (MATH 133, 235, 236)
 - 3 hours of Fine Arts (Music, Art or Theatre)
 - 3 hours of Geography (GEOG 132, World Geography)
 - 6 hours of American History (HIST 231, 232)
 - 6 hours of Political Science (POLS 231, 232)
 - 3 hours of General Psychology (PSY 131)
 - 1 hour of Physical Education (any 100 level activity course)
 - 3 hours of Instructional Technology (EDCI 210)
 - 9 hours of electives as recommended by the Academic Advisor:
 - Chemistry
 - Mathematics
 - Theater
 - Foreign Language
 - Sociology
 - Health
 - Adolescent Psychology
4. Submission of the degree plan, signed by the advisor, and department chairperson in the area for which certification is sought.
5. A minimum overall grade point average (GPA) of 2.75 and all core-related courses completed with grades of "C" or better (**grades of "C-" are unacceptable**).
6. Submission of verification that the passing criteria, given below, for the THEA have been met. **Applicants for the Educator Preparation Program are not THEA exempt and are not eligible for any waivers. The minimum required scores are:**
 - Reading 250
 - Mathematics 230
 - Writing 220 (Multiple-Choice Section)

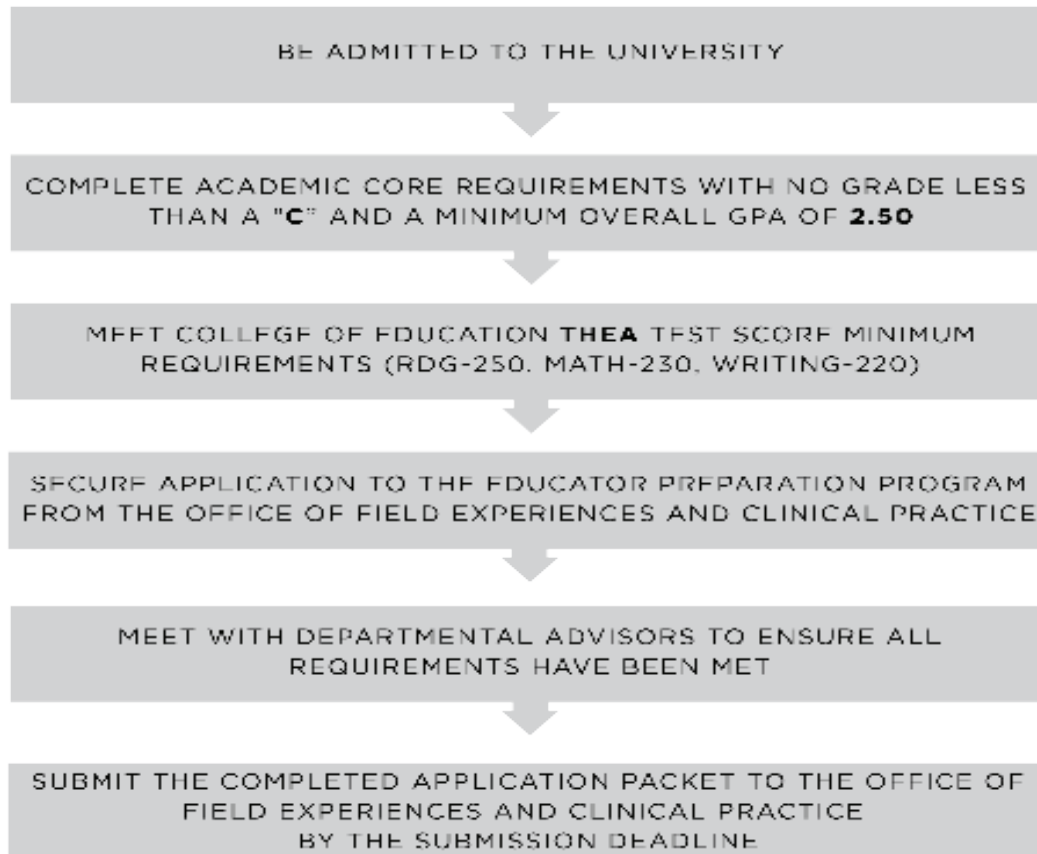
The application for the Educator Preparation Program must be completed and submitted with a current Texas Southern University transcript, a degree plan signed by the applicant's advisor, and THEA scores at least at the minimum passing standard required by the College of Education. Please forward application materials to:

Director of Field Experiences and Clinical Practice
College of Education, Room 100
Texas Southern University
3100 Cleburne, P.O. Box 1680
Houston, Texas 77004-4501

Admission to the Educator Preparation Program is decided by the Unit's *Admissions Committee*. The Chairperson of the Admissions Committee will notify the applicant of the action taken on the application.

Candidates seeking to transfer to the University should note that the two application processes, admission to Texas Southern University and admission to the College of Education's Educator Preparation Program, are separate and independent. Deadlines for submission of applications for admission to the University may be earlier than those for admission to the Educator Preparation Program. Approval for admission to this program does not imply approval for any other purpose (e.g., admission to the University, financial aid, housing, etc.).

Educator Preparation Program Admissions Steps



STATE BOARD FOR EDUCATORS CERTIFICATION POLICIES

- Individuals seeking certification in Texas must pass the TExES proficiency test in their area of study and/or endorsement, as well as the pedagogy and professional responsibilities proficiency test (TExES PPR).
- Only eligible candidates may sit for the TExES. A candidate is eligible when the candidate's advisor and department chair grant approval to sit for a state Certification Examination
- For additional information contact the Certification office in Room 100.

COLLEGE OF EDUCATION CLINICAL PRACTICE

APPROVAL INFORMATION

The applicant for clinical practice must complete an application that includes the approval of the candidate's advisor and the department chairperson within the major area. The application deadlines are stipulated by the Office of Field Experiences and Clinical Practice. A current transcript must be submitted with the completed application.

Persons seeking approval to engage in clinical practice are discouraged from enrolling in any additional courses. The applicant must have completed the minimum 45 clock hours of observation in the field (verified by a completed validation form), as required by law, prior to approval for clinical practice. Also, candidates must present evidence of having passed the Content and PPR Representative Forms Practice Tests.

After being approved for clinical practice, the candidate teacher is scheduled for an interview with the Director of Field Experiences and Clinical Practice along with the Unit's *Field Experiences and Clinical Practice Committee*. Such an interview may be used to raise concerns relative to any constraints that may negatively affect the success of the placement. Candidate teachers will also engage in professional development activities that are intended to optimize their performance during clinical practice.

Candidate teachers are assigned to school districts through the collaboration of the Director of Field Experiences and Clinical Practice and the human resources personnel of the district to which the candidate teacher is assigned. Attention is given to the certification the candidate is seeking, the availability of cooperating teachers who will supervise the constraints that surfaced in the interview, and any other requirements that may impact the candidate's placement.

Clinical Practice is at least sixteen weeks. An orientation is provided for the candidate teachers prior to their placement. In addition, professional development activities are scheduled throughout the clinical experience. Topics and skills relative to the candidates' success are presented in workshops by human resource and district personnel, faculty, and other invited professionals.

EDUCATOR PREPARATION PROGRAM

The following options are available, based upon the type of undergraduate degree earned:

Bachelor of Science Degrees

EC-6 Bilingual Generalist
EC-6 Generalist
4-8 Bilingual Education Generalist
4-8 English Language Arts/Reading
4-8 English Language Arts/Reading/Social Studies
4-8 Mathematics
4-8 Mathematics/Science
4-8 Science
4-8 Social Studies
EC-12 Special Education
EC-12 Physical Education
EC-12 Health
EC-12 Art
EC-12 Music
EC-12 Theatre Arts

The following secondary school options are available. Candidates should consult the Certification Office regarding the availability of new options.

8-12 English Language Arts
8-12 Mathematics
8-12 History
8-12 Life Science
8-12 Mathematics/Physical Science
8-12 Physical Science
8-12 Speech Communication
8-12 Family and Consumer Science
8-12 Human Development and Family Studies

APPROVED ENDORSEMENT PROGRAMS

Persons interested in Supplemental Certification should check with the Certification Officer in Room 100 of the Roderick R. Paige Education Building.

Endorsement Certification which requires a Teaching Certificate can be completed in the following areas:

Special Education
Bilingual Education
Reading Specialist

DEFICIENCY PLANS

Persons who currently hold an earned bachelor's degree and wish to obtain certification in the State of Texas should request a Deficiency Plan through the Certification Office (Room 100) in the Roderick R. Paige Education Building. The number of semester credit hours required to complete the Deficiency Plan will vary on an individual basis and in accordance with the individual's transcripts.

REQUIREMENTS FOR CERTIFICATION

The requirements for persons seeking certification are:

- Completion of an approved educator preparation program
- Earned grades of "B" or better (grades of "B-" are unacceptable) in professional development courses.
- Earned grades of "B" or better (grades of "B-" are unacceptable) in specialty courses within the selected concentration identified on the selected degree plan.
- Completion of candidate clinical practice, evidence of the completion of two years of teaching experience as a teacher of record, or enrollment in the Texas State Aide Exemption Program.
- Earned passing scores on all required state-mandated Certification Examination(s).

Participants in an Educator Preparation Program shall complete a survey approved by the State Board of Educator Certification (SBEC) evaluating the preparation they received in the Educator Preparation Program. Completion and submission of this survey to SBEC is a requirement for issuance of a standard certificate.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that candidates are enrolled. Courses are also subject to change.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The two departments offering undergraduate degrees are described in detail on the pages that follow. A description of the Department of Curriculum and Instruction is provided, followed by a description of the Department of Health.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

The mission of the Department of Curriculum and Instruction is to produce effective teachers to serve culturally diverse students with a focus on urban school populations. The Department's mission is consistent with the overall mission of the College of Education (COE). The mission of the COE is to prepare caring, committed, competent, culturally responsive urban professionals who are equipped to provide effective service in urban schools, agencies and other entities. The theme of the conceptual framework for the COE Educator Preparation Program is "ExPO for Preparing Urban Professionals" which represents COE expectations, practices and outcomes. The programs of study in the Department of Curriculum & Instruction are designed to enable candidates to acquire the knowledge, skills and dispositions needed to function effectively in urban learning environments.

Courses in Curriculum and Instruction (EDCI), Reading Education (RDG), and Special Education (SPED) are offered through the Department of Curriculum and Instruction along with the **Bachelor of Science (B.S.) Degree in Interdisciplinary Studies at the undergraduate level. The B.S. in Interdisciplinary Studies leads to Teacher Certification in the state of Texas in EC-6 or 4-8 in one of ten specialty areas: EC-6 Generalist, EC-6 Bilingual Generalist, 4-8 Bilingual Generalist, 4-8 English/Language Arts/Reading, 4-8 English/Language Arts/Reading/Social Studies, 4-8 Mathematics, 4-8 Mathematics/Science, 4-8 Science, 4-8 Social Studies and All Level (EC-12) Special Education.** Unlike most of the other instructional units at the University, no minor is offered through this Department for the undergraduate degree

At the graduate level, the Master of Education (M.Ed.) in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, or Special Education. A Doctor of Education (Ed.D.) Degree is offered in Curriculum and Instruction with a focus on urban school communities.

Students who are interested in detailed information regarding the graduate degrees offered through the Department are referred to the Graduate School Bulletin of Texas Southern University or the Graduate School Website at http://www.tsu.edu/academics/colleges__schools/the_graduate_school/.

The specialty areas for the B.S. in Interdisciplinary Studies represent several concentration areas that students may follow toward completion of the degree and Texas Teacher Certification. Students desiring to earn the B.S. Degree in Interdisciplinary Studies must:

- (1) be admitted to the University,
- (2) satisfy University and state testing requirements,
- (3) secure an application to the Educator Preparation Program (EPP) from the Office of Field Experiences and Clinical Practice,
- (4) meet with departmental advisors to ensure all requirements have been met for admission to the EPP and complete all forms in the application packet, and
- (5) submit the completed application packet to the Office of Field Experiences and Clinical Practice on or before the submission deadline.

Once admitted to the Educator Preparation Program (EPP), students become *Candidate Teachers* and are assigned an official departmental advisor who should be consulted each academic term. Advisors guide candidate teachers through the Educator Preparation Program, as well as oversee matriculation through their programs of study. All requirements for the Educator Preparation Program must be met and candidate teachers must earn an overall GPA of 2.75 or better as a requirement for graduation. Courses designated as **specialty courses** must be completed with grades of "B" or better, where grades of "B-" are unacceptable, and assessment targets referenced for the Educator Preparation Program must also be met.

Prior to admission to the Educator Preparation Program students are encouraged to visit with staff advisors in the COE Student Advisement Center (SAC) for guidance, information, and program updates. SAC is located in the lower level of the Roderick R. Paige Education Building.

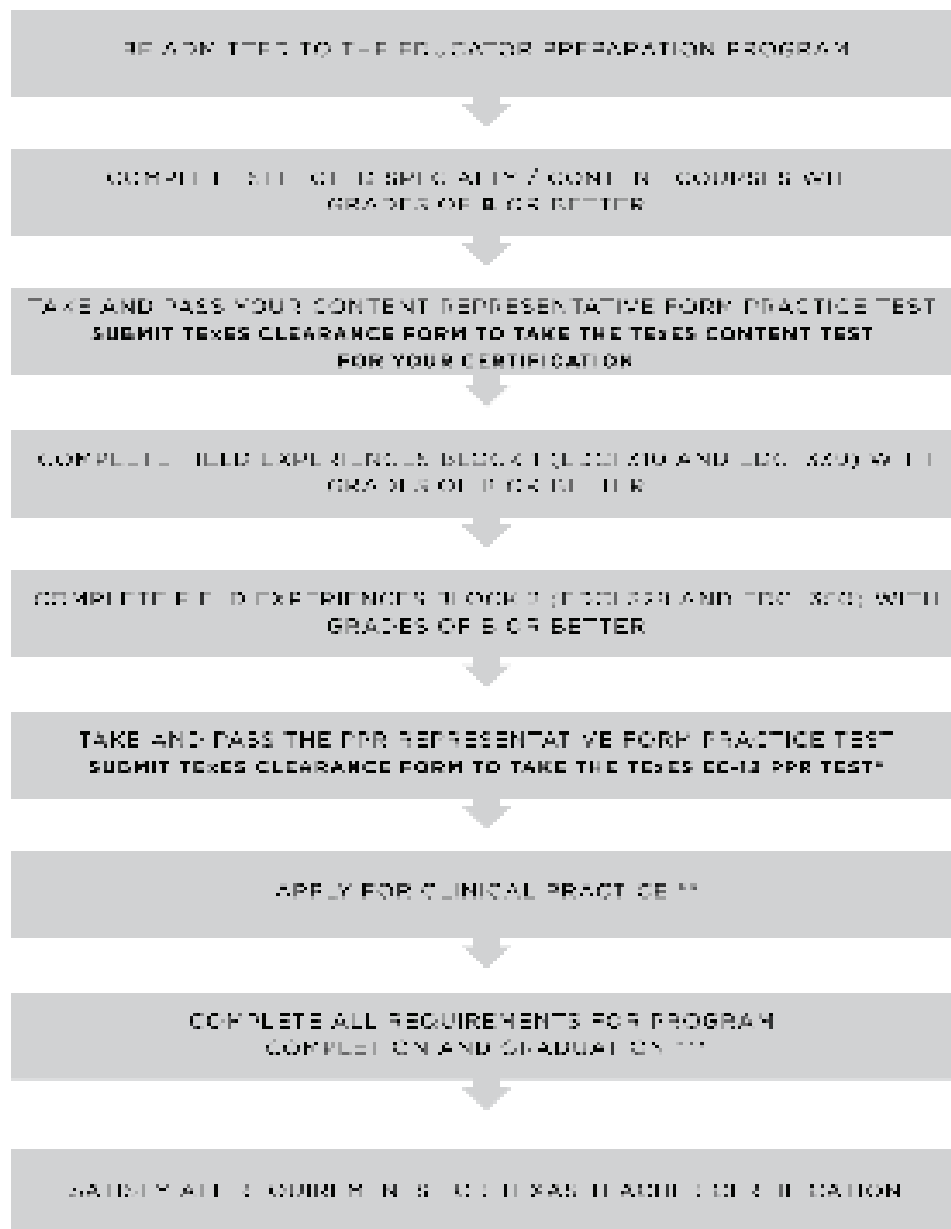
In summary, students must gain admission to the University, meet University and state testing requirements, petition for admission, and qualify for the Educator Preparation Program. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department Office located in R. Paige Education Building 204 or via telephone at (713)313-7267.

Departmental Policies

The Department has established policies and procedures to ensure that candidates matriculate through the program in a timely manner. Adherence to these policies is necessary to successfully complete the selected program of study.

- Students should apply for admission to the Educator Preparation Program after completing at least 44-45 of the 60 hours of the foundation/core courses and after passing ALL parts of the THEA with the minimum scores required by the College of Education. Minimum scores are: Reading – 250, Mathematics – 230, and Writing – 220. Admission to the Educator Preparation Program MUST be obtained prior to enrollment in selected specialty courses and professional development courses.
- Prospective candidates cannot earn more than six (6) semester credit hours in specialty courses prior to admission to the Educator Preparation Program in the College of Education (See Advisor).
- Candidates should enroll in the Professional Development courses in two blocks of six semester hours each. The required sequence is EDCI 310 and EDCI 339 followed by EDCI 328 and EDCI 350. These four courses cannot be taken together in a single semester.
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in **All** professional development courses (EDCI 310, EDCI 328, EDCI 339, and EDCI 350).
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in **specialty/content courses** identified on the selected degree plan.
- Candidates must register in the Department for Specialty, Professional Development, and Clinical Practice Courses.
- Candidates cannot enroll in Clinical Practice until they have taken and passed the state content examination and the Pedagogy and Professional Responsibility (PPR) Test.
- Students desiring to transfer into the Department from other schools and colleges must have an overall GPA of 2.75. Students who fail to meet the GPA requirements can reapply for approval to transfer into the Department after meeting the 2.75 GPA requirement.
- Candidates may register for TExES (Content Test or PPR) after successfully passing the appropriate TExES Representative Forms Practice Tests (administered by Department).
- Candidates must complete the Department “**Notice of Intent to File for Graduation**” form one semester prior to the anticipated graduation date. This will allow time for Advisors to determine whether candidates will be able to complete program requirements by the expected graduation date.

Steps for Completing the COE Educator Preparation Program



- Candidates cannot enroll in Block 1 until they have passed the Representative Form Content Practice Test with 80% accuracy.
- Once candidates have passed the Representative Forms Practice Tests, they can seek permission from their departmental advisors and the Chairperson of Curriculum & Instruction to take the appropriate state-administered TExES Examination.
- Candidates cannot enroll in Clinical Practice until they have taken and passed the state content examination and the Pedagogy and Professional Responsibility (PPR) Test.
- Complete the Department “Notice of Intent to File for Graduation” form one semester prior to your anticipated graduation date.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Haynes-Mays, Ingrid Associate Professor/ Chair, NCATE Coordinator B.S., M.Ed., Texas Southern University Ph.D., University of Mississippi</p>	<p>Saha-Gupta, Shaswati Nina Professor B.A., Delhi University M.A., Nagpur University Ph.D., Syracuse University</p>
<p>Boyd, Nellie Visiting Associate Professor B.A., M.Ed., University of South Carolina Ed.D., University of North Carolina - Greensboro</p>	<p>Smith, Jacqueline Assistant Professor B.S., Sam Houston State University M.S., Chicago State University Ed.D., University of Houston</p>
<p>Grant, Viveca Visiting Assistant Professor B.A. Sam Houston State University M.Ed., Texas Southern University Ed.D., Texas Southern University</p>	<p>Song, Holim Associate Professor B.A., Kyunghee University M.A., Ed.D., University of Houston</p>
<p>Ligons, Claudette M. Professor B.S., Hampton University M.Ed., University of Massachusetts Ed.D., University of Houston</p>	

EDCI 404	Certification Seminar Emphasizes the importance of aligning knowledge and skills with best practices in developmentally appropriate teaching environments. Attention will also be given to preparation for state licensure examinations. Three hours of lecture per week. Prerequisites: EDCI 310, EDCI 328, EDCI 339 and EDCI 350.	(3)
EDCI 405	Integrated Language Arts, Social Studies, and Fine Arts Enhances the language skills of pre-service teachers through Social Studies, Art, Music, and Drama in order for teachers to model effective teaching practices from a whole language approach. Three hours of lecture per week. Prerequisite: RDG 301 or RDG 302.	(3)
EDCI 410	Individual Projects Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective instructional practices for diverse populations of urban learners. Three hours of lecture per week. Prerequisite: Consent of instructor.	(3)
EDCI 430	Integrated Science, Mathematics, and Health Provides integrated study of the natural and social sciences, along with mathematics and health, in a creative way with associated teaching strategies to support the success of urban students. Intended for Educator Preparation Candidates. Three hours of lecture per week. Prerequisites: MATH 133, MATH 235 and MATH 236.	(3)
EDCI 431	Linguistics Introduces the basic linguistic concepts and terminology related to phonology, syntax, morphology, vocabulary, and semantics for bilingual and ESL teachers. Three hours of lecture per week.	(3)
EDCI 432	Language Acquisition Analyzes the first and second language acquisition theories. Addresses the linguistic, cultural, and cognitive factors that impact the acquisition of a second language. Three hours of lecture per week.	(3)
EDCI 433	Early Childhood Curriculum Examines and stresses planning, implementation, and evaluation of developmentally appropriate curriculum content for young children from birth through age eight. Emphasizes an interdisciplinary cognitive curriculum that includes an understanding of mathematics, science, and social studies. Three hours of lecture per week.	(3)
EDCI 434	Creative Arts and Movement Supports pre-service teachers' development of the basic skills and techniques associated with activities and strategies for integrating the visual arts, music, creative drama and movement into the EC-6 curriculum. Three hours of lecture per week.	(3)
EDCI 435	Language Development and Literacy in Early Childhood Emphasizes the development of receptive, expressive language, and emergent literacy in children. Includes understanding and awareness of native speakers of other languages. Three hours of lecture per week.	(3)
EDCI 436	Developing English Language Skills Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.	(3)
EDCI 450	Directed Student Teaching in Grades 4-8 Provides directed student teaching in grades 4-8 with supervisory support from the College of Education, a University-based supervisor, and a school-based supervisor. Two hours of lecture and forty hours of laboratory per week.	(6)

EDCI 455	<p>Curriculum Development in Bilingual Education (3)</p> <p>Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-6 bilingual education. Includes evaluation of designed curriculum and application. Three hours of lecture per week.</p>
EDCI 456	<p>Developing Spanish Language Skills I (3)</p> <p>Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.</p>
EDCI 457	<p>Developing Spanish Language Skills II (3)</p> <p>Develops the technical Spanish vocabulary skills needed to communicate concepts in mathematics, social studies, and science. Taught in Spanish. Three hours of lecture per week.</p>
EDCI 458	<p>Seminar in Teaching (3)</p> <p>Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.</p>
EDCI 460	<p>Foundations of Bilingual Education (3)</p> <p>This course outlines the historical perspective of bilingual education, foundations of education, and the concepts of bilingualism and biculturalism. Three hours of lecture per week.</p>
EDCI 463	<p>Directed Student Teaching in Special Education (6)</p> <p>Creates opportunities for observation and student teaching in regular and special class assignments in the area of language/learning disabilities on the elementary or secondary levels. Two hours of lecture and forty hours of laboratory per week.</p>
EDCI 464	<p>Directed Student Teaching in High School (6)</p> <p>Creates opportunities for observation and directed teaching by students in an approved secondary school. Two hours of lecture and forty hours of laboratory per week.</p>
EDCI 466	<p>Directed Student Teaching in Bilingual Classrooms (6)</p> <p>Creates opportunities for observation and directed teaching of students in elementary, bilingual, and/or ESL classrooms. Supervision done by bilingual faculty. Two hours of lecture and forty hours of laboratory per week.</p>
EDCI 468	<p>Directed Student Teaching - All Levels (6)</p> <p>Creates opportunities for observation and directed teaching at the elementary and secondary levels. Half of the time is spent in an elementary school and half of the time is spent in a high school setting. Two hours of lecture and forty hours of laboratory per week.</p>
EDCI 478	<p>Family and Community Relationships in Early Childhood (3)</p> <p>Stresses the social and psychological impact that the family and the community have on the development of children. Also examines implications of cultural diversity, family life styles, and socioeconomic level on the young child. Three hours of lecture per week.</p>
EDCI 479	<p>Management in Early Childhood Environment (3)</p> <p>Emphasizes structuring of indoor and outdoor learning environments that promote positive self image, achievement, and competence. Examines personal health, safety, materials, and resources. Includes group management. Three hours of lecture per week.</p>
EDCI 491	<p>Direct Student Teaching EC-6 (6)</p> <p>Creates opportunities for observation and directed student teaching at the elementary and kindergarten levels. Half of the time is spent in an elementary school and half of the time is spent in a kindergarten setting. Two hours of lecture and forty hours of laboratory per week.</p>

DEVELOPMENTAL READING COURSE

- READ 130** **Basic Reading and Study Skills** (3)
Designed for students to learn the factors that comprise effective reading, study skills, and vocabulary building. Students engage in interactive learning activities to improve their reading comprehension, methods of study, and vocabulary building. Three hours of lecture and one hour of laboratory per week. Offered under the direction of the College of Liberal Arts & Behavioral Sciences

READING EDUCATION COURSES

- RDG 301** **Content Focused Teaching in Reading** (3)
Recognizes interrelationships of reading, writing, listening, and speaking. Shows how to plan instruction that reflects the interrelated nature of these processes. Three hours of lecture per week. Formerly RDG 201.
- RDG 302** **Science of Teaching Reading** (3)
Familiarizes students with recent issues in language arts education and teaches them how to apply this information to classroom instruction. Three hours of lecture per week. Formerly RDG 202.
- RDG 400** **Middle School Reading** (3)
Introduces language arts strategies and concepts of learning across the content areas. Focuses on the curriculum in grades 4-8. Three hours of lecture per week.
- RDG 401** **Reading for Diverse Populations** (3)
Presents culturally responsive teaching pedagogies to enhance reading skills development of diverse populations of children in Texas schools. Focuses on TEKS-related reading competencies as reflected in K-8 standards. Three hours of lecture per week.
- RDG 402** **Informal Diagnosis** (3)
Emphasizes assessment of reading skills using informal procedures, including informal reading inventories, checklists, and observation. Three hours of lecture per week.
- RDG 406** **Reading Appreciation** (3)
Familiarizes pre-service teachers with a wide variety of children's literature and applies such knowledge to the selection, appreciation, and critical evaluation of literary works. Three hours of lecture per week.

SPECIAL EDUCATION COURSES

- SPED 309** **Survey of Exceptional Education I** (3)
Provides a survey of issues related to Learning Disabilities, Mental Retardation, Autism, and Severe/Multiple Disabilities in relation to the effects of disabilities on learning. May be taken in conjunction with SPED 370 during the same semester. Three hours of lecture per week.
- SPED 370** **Survey of Exceptional Education II** (3)
Provides a survey of characteristics and etiology of physical and speech/language disabilities. Basic statutory and legislative issues included. Three hours of lecture per week.
- SPED 401** **Field Experiences in Special Education** (3)
This course provides an opportunity for students to obtain field experiences in schools.
- SPED 402** **Assessment Practices for Children with Disabilities** (3)
Emphasizes the commonly used techniques and tools for assessing students. Includes both formal and informal assessment measures. Three hours of lecture per week.

- SPED 403** **Educational Procedures for Children with Disabilities I** (3)
Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of mathematics and social skills. Three hours of lecture per week.
- SPED 404** **Managing Behaviors of Children with Disabilities** (3)
Focuses on the characteristics of children with behavioral disorders and provides strategies to address these problems. Three hours of lecture per week.
- SPED 405** **Educational Procedures for Children with Disabilities II** (3)
Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of language, spelling, and reading. Three hours of lecture per week.
- SPED 406** **School/Community Collaboration for Special Education** (3)
Addresses the importance of collaboration among educators, parents, and the community to meet the needs of all students. Emphasizes collaborative strategies within the context of inclusive education. Three hours of lecture per week.
- SPED 410** **Individual Projects - Special Education** (3)
Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective special education instructional practices for the urban learner. Three hours of lecture per week.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
EC-6 Bilingual Generalist Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Generalist)	OTHER REQUIREMENTS
42 credits	TCCNS	57 credits	21 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 431 (3)	HED 233 (2)
ENG 132 (3)	ENGL 1302	EDCI 432 (3)	MATH 235 (3)
Mathematics:		EDCI 346 (3)	MATH 236 (3)
MATH 133 (3)	MATH 1314	EDCI 460 (3)	SPED 309 (3)
Life and physical sciences:		EDCI 329 (3)	EDCI 340 (3)
BIOL 143 (3)	BIOL 1308	EDCI 402 (3)	BIOL 135 (3)
GEOL 141 (3)	GEOL 1303	EDCI 457 (3)	GEOG 132 (3)
Language, philosophy, and culture:		EDCI 330 (3)	PE 1 Any course (1)
ENG 230 (3)	EDCI 456 (3)	RDG 301 (3)	
Creative arts:		RDG 302 (3)	
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 458 (3)	
Institutional Options:		EDCI 466 (6)	
SC 135 (3)	SPCH 1321	EDCI 456 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
EC-6 BILINGUAL GENERALIST
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
		16 hrs		17 hrs

Transition 0: *Before the end of Second Semester the candidate should:*
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 340 Instructional Technology II	3
	PSY 131 General Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	15 hrs		15 hrs	

Transition 1: *Before the end of Fourth Semester, candidate should:*
Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 431 Linguistics for Teachers	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 456 Dev. Span. Lang. Skills	3
	EDCI 404 Certification Seminar	3	EDCI 460 Foundations of Bilingual Ed.	3
			RDG 302 Science of Teaching Reading	3
		15hrs		18 hrs

Transition 2: *Before the end of Fifth Semester, candidate should:*

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 458 Seminar in Teaching	3
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 466 Direct Student Teaching in Bilingual Classrooms	6
	EDCI 432 Language Acquisition	3		
	EDCI 436 Introduction to Educational Psychology	3		
	EDCI 457 Dev. Span. Lang. Skills	3		
	15 hrs		9 hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*
Satisfy all requirements for Texas Teacher Certification
Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
EC-6 Generalist Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Generalist)	OTHER REQUIREMENTS
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ENG 132 (3)	ENGL 1302	EDCI 433 (3)	MATH 236 (3)
Mathematics:		EDCI 434 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	EDCI 435 (3)	EDCI 340 (3)
Life and physical sciences:		EDCI 478 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	EDCI 402 (3)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	RDG 401 (3)	GEOG 132 (3)
Language, philosophy, and culture:		RDG 301 (3)	PE 1 Any course (1)
ENG 230 (3)	EDCI 456 (3)	RDG 302 (3)	HED 233 (2)
Creative arts:		EDCI 330 (3)	
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 491 (6)	
Institutional Options:		EDCI 458 (6)	
SC 135 (3)	SPCH 1321	EDCI 329 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
EC-6 GENERALIST
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
	16 hrs		17 hrs	

Transition 0: *Before the end of Second Semester the candidate should:*
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 340 Instructional Technology II	3
	PSY 131 General Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	15 hrs		15 hrs	

Transition 1: *Before the end of Fourth Semester, candidate should:*
Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 346 Introduction to Educational Psychology	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 434 Creativity and Movement	3
	EDCI 404 Certification Seminar	3	EDCI 435 Language Development & Literacy	3
			RDG 302 Science of Teaching Reading	3
	15hrs		18 hrs	

Transition 2: *Before the end of Fifth Semester, candidate should:*

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 458 Seminar in Teaching	3
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 491 Direct Stud. Teaching, EC-6	6
	RDG 401 Rdg. For Div. Populations	3		
	EDCI 433 Early Childhood Curriculum	3		
	EDCI 478 Family & Com. Relat. EC	3		
	15 hrs		9 hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*
 Satisfy all requirements for Texas Teacher Certification
 Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 BILINGUAL GENERALIST CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 BILINGUAL GENERALIST)	OTHER REQUIREMENTS
42 credits	TCCNS	60 credits	18 credits
Communication:		Relative to Concentration	HED 233 (2)
ENG 131 (3) **	ENGL 1301	EDCI 431 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 432 (3)	MATH 236 (3)
Mathematics:		EDCI 346(3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	EDCI 460 (3)	EDCI 340 (3)
Life and physical sciences:		EDCI 329 (3)	GEOG 132 (3)
BIOL 143 (3)	BIOL 1308	EDCI 402(3)	PE 1 Any course (1)
GEOL 141 (3)	GEOL 1303	EDCI 450 (3)	
Language, philosophy, and culture:		EDCI 455 (3)	
ENG 230 (3)	EDCI 456 (3)	EDCI 456 (3)	
Creative arts:		RDG 301 (3)	
MUSIC 239 (3)	HUMA 1315	RDG 401 (3)	
American history:		EDCI 430 (3)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 458 (3)	
Institutional Options:		EDCI 466 (6)	
SC 135	SPCH 1321		
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 BILINGUAL GENERALIST CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
		16 hrs		17 hrs

Transition 0: *Before the end of Second Semester the candidate should:*
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 340 Instructional Technology II	3
	PSY 131 General Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	15 hrs		15 hrs	

Transition 1: *Before the end of Fourth Semester, candidate should:*
Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	EDCI 404 Certification Seminar	3	EDCI 310 Psy. Of Learn. Growth & Dev.	3
	EDCI 329 Methods of teaching Social Studies	3	EDCI 339 Classroom Management	3
	EDCI 402 Methods of teaching Science	3	EDCI 455 Curriculum Development In Bilingual Education	3
	RDG 301 Basic Concepts of Reading	3	RDG 401 Reading for Diverse Populations	3
	EDCI 430 Methods of Teaching Math	3	EDCI 346 History and Theories of Child Development	3
	EDCI 456 Dev. Span. Lang. Skills	3		
	18 hrs		15 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 431 Linguistics for Teachers	3	EDCI 466 Direct. Stud. Teaching, Bil. Ed.	6
	EDCI 432 Language Acquisition	3	ECI 458 Seminar in Teaching	3
	EDCI 328 Psychology of Learning, Growth, and Development	3		
	EDCI 350 Effective Instructional Strategies	3		
	EDCI 460 Foundations of Bilingual ED.	3		
	15 hrs		9 hrs	

Transition 3: Before the end of the Seventh Semester, the candidate should:

- Take and pass the TEXES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: By the end of the Eighth Semester, the candidate should
Satisfy all requirements for Texas Teacher Certification
Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 ENGLISH LANGUAGE ARTS/READING/SOCIAL STUDIES CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 English Language Arts and Reading)	OTHER REQUIREMENTS
42 credits	TCCNS	54 credits	24 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 239 (3)	MATH 236 (3)
Mathematics:		RDG 301 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	RDG 302 (3)	EDCI 340 (3)
Life and physical sciences:		RDG 401 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	RDG 402 (3)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	RDG 406 (3)	PE 1 Any course (1)
Language, philosophy, and culture:		RDG 400 (3)	HED 233 (2)
ENG 230 (3)	EDCI 456 (3)	ENG 351 (3)	Any Electives (3)
Creative arts:		GEOG 331 (3)	
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
Institutional Options:		EDCI 458 (3)	
SC 135	SPCH 1321		
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 ENGLISH LANGUAGE ARTS/READING/SOCIAL STUDIES CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	GEOL 141 Geology	3
	SC 135 Speech Communication	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	HIST 231 Social & Political History of the United States to 1877	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
	16 hrs		17 hrs	

Transition 0: Before the end of Second Semester the candidate should:
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	PSY 131 General Psychology	3	GEOG 230 Geography	3
	GEOG 132 World Regional Geography	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	ENG 230 World Literature I	3	SPED 309 Survey of Exceptional Educ. I	3
	MATH 235 Struc. & App. Of Numb. Sys	3	EDCI 340 Instructional Technology II	
	POLS SCI 235 American Polit. System I	3		3
	18 hrs		15 hrs	

Transition 1: Before the end of Fourth Semester, candidate should:
• Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	EDCI 301 Content Focused Teaching in Reading	3	RDG 302 Science of Teaching Reading	3
	EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 310 Field Based I-Performance Focused Teaching	3
	ENG 351 Grammar Review Workshop	3	EDCI 339 Classroom Management	3
	RDG 401 Reading for Diverse Populations	3	EDCI 346 Introduction to Educational Psychology	3
	EDCI 404 Certification Seminar	3	GEOG 331 Geography of Texas	3
	15 hrs		15 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II - Performance Focused Teaching	3	EDCI 450 Direct Student Teaching 4-8	6
	EDCI 350 Designing and Implementing Instruction & Assessment	3	EDCI 458 Seminar in Teaching	3
	RDG 402 Informal Diagnosis	3		
	Any Elective	3		
	RDG 400 Content Area Reading	3		
	15 hrs		9hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 ENGLISH LANGUAGE ARTS AND READING CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 English Language Arts/ Reading)	OTHER REQUIREMENTS
42 credits	TCCNS	57 credits	21 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	ENG 439 (3)	MATH 236 (3)
Mathematics:		RDG 301 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	RDG 302 (3)	EDCI 340 (3)
Life and physical sciences:		RDG 401 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	RDG 402 (3)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	RDG 406 (3)	PE 1 Any course (1)
Language, philosophy, and culture:		RDG 400 (3)	HED 233 (2)
ENG 230 (3)	EDCI 456 (3)	ENG 351 (3)	
Creative arts:		SPED 370 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 329 (3)	
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
Institutional Options:		EDCI 458 (3)	
SC 135 (3)	SPCH 1321		
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 ENGLISH LANGUAGE ARTS AND READING CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	GEOL 141 Geology	3
	SC 135 Speech Communication	3	BIOL 143 Survey of Life Science	3
	HIST 231 Social & Political History of the United States to 1877	3	EDCI 210 Instructional Technology I	3
	MUSI 239 Fine Arts in Daily Living	3	HIST 232 Social & Political History of the United States to 1877	3
	PE (Any Course)	1	HED 233 Principles of Health	2
	16 hrs		17 hrs	

Transition 0: *Before the end of Second Semester the candidate should:*
 Complete Quick THEA with minimum scores of:
 Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	PSY 131 General Psychology	3	GEOG 230 Geography	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	ENG 230 World Literature I	3	SPED 309 Survey of Exceptional Educ. I	3
	POL SCI 235 American Polit. System I	3	EDCI 340 Instructional Technology II	3
	MATH 235 Struc. & App. Of Numb. Sys	3	POL SCI 236 American Polit. System II	3
	15 hrs		15 hrs	

Transition 1: *Before the end of Fourth Semester, candidate should:*
 • Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	RDG 302 Science of Teaching Reading	3
	ENG 351 Grammar Review Workshop	3	EDCI 310 Field Based I - Performance Focused Teaching	3
	SPED 370 Survey of Exceptional Edu. II	3	RDG 400 Content Area Reading	3
	RDG 401 Reading for Diverse Populations	3	EDCI 339 Classroom Management	3
	EDCI 404 Certification Seminar	3	EDCI 346 Introduction to Educational Psychology	3
	15 hrs		15 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	RDG 402 Informal Diagnosis	3		
	RDG 406 Reading Appreciation	3		
	ENG 439 The Teaching of English	3		
	12 hrs		9 hrs	

Transition 3: Before the end of the Seventh Semester, the candidate should:

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: By the end of the Eighth Semester, the candidate should

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 MATHEMATICS/SCIENCE CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Mathematics Concentration)	OTHER REQUIREMENTS
42 credits	TCCNS	59 credits	21 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	MATH 250 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	MATH 236 (3)
Mathematics:		MATH 241 (4)	SPED 370(3) or SPED (309)
MATH 133 (3)	MATH 1314	EDCI 404 (3)	EDCI 340 (3)
Life and physical sciences:		RDG 401 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	BIOL 347 (4)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	PHY 238 (3)	PE 1Any course (1)
Language, philosophy, and culture:		BIOL 343 (3)	HED 233 (2)
ENG 230 (3)	EDCI 456 (3)	PHY 237 (3)	
Creative arts:			
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 402 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (3)	
Institutional Options:		EDCI 330 (3)	
SC 135	SPCH 1321	EDCI 458 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 MATHEMATICS/SCIENCE CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	MATH 134 Plane Trigonometry	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
16 hrs		17 hrs		

Transition 0: Before the end of Second Semester the candidate should:
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 340 Instructional Technology II	3
	PSY 131 General Psychology	3	PHYS 237 College Physics I (Must take with lab)	4
	GEOL 141 Geology	3		
18 hrs		16 hrs		

Transition 1: Before the end of Fourth Semester, candidate should:
 • Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 250 Linear Algebra	3	Math 241 Calculus & Geometry I	4
	PHYS 238 College Physics II (Must take with lab)	4	BIOL 343 Ecology (Must take with lab)	4
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 346 Introduction to Educational Psychology	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	EDCI 404 Certification Seminar	3	EDCI 339 Classroom Management	3
16 hrs		15 hrs		

Transition 2:
 Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	BIOL 347 Microbiology	4		
	RDG 401 Rdg. For Diverse Populations	3		
	SPED 370 Survey of Exceptional Educ. II	3		
	13 hrs		9 hrs	

Transition 3: Before the end of the Seventh Semester, the candidate should:

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: By the end of the Eighth Semester, the candidate should

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 MATHEMATICS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Mathematics Concentration)	OTHER REQUIREMENTS
42 credits	TCCNS	59 credits	19 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	MATH 250 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	MATH 236 (3)
Mathematics:		MATH 241 (4)	SPED 370(3)
MATH 133 (3)	MATH 1314	MATH 242 (4)	EDCI 340 (3)
Life and physical sciences:		MATH 331 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	MATH 473 (3)	Any Electives (1)
GEOL 141 (3)	GEOL 1303	MATH 430 (3)	PE 1 Any course (1)
Language, philosophy, and culture:		EDCI 404 (3)	HED 233 (3)
ENG 230 (3)	EDCI 456 (3)	RDG 401 (3)	
Creative arts:		RDG 302 (3)	
MUSIC 239 (3)	HUMA 1315	MATH 134 (3)	
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 450 (6)	
PSY 131 (3)	PSYC 2301	EDCI 330 (3)	
Institutional Options:		EDCI 458 (3)	
SC 135	SPCH 1321		
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 MATHEMATICS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	MATH 134 Plan Trigonometry	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
	16 hrs		17 hrs	

Transition 0: Before the end of Second Semester the candidate should:
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	EDCI 340 Instructional Technology II	3
	PSY 131 General Psychology	3	SPED 370 Survey of Exceptional Educ. II	3
	15 hrs		15 hrs	

Transition 1: Before the end of Fourth Semester, candidate should:
• Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 241 Calculus & Analy. Geom. I	4	Math 242 Calculus & Geometry II	4
	MATH 250 Linear Algebra	3	EDCI 346 Introduction to Educational Psychology	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 310 Field Based I - Performance Focused Teaching	3
	EDCI 404 Certification Seminar	3	EDCI 339 Classroom Management	3
	MATH 331 Logic, Sets, & Functions	3	MATH 430 The History of Mathematics	3
	16 hrs		16 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:
• Take and pass Content Representative Form.
• Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
• Register with T-Cert.
• Login with Certify Teacher
• (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:
• Take and pass the PPR Representative Form Test.
• Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
• Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	RDG 401 Rdg. For Div. Population	3	Any Electives	1
	RDG 302 Science of Teaching Reading	3		
	MATH 473 Probability and Statistics I	3		
	15 hrs		9 hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 SOCIAL STUDIES CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Social Studies)	OTHER REQUIREMENTS
42 credits	TCCNS	57 credits	21 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 315 (3)	MATH 236 (3)
Mathematics:		HIST 371 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	HIST 451 (3)	EDCI 340 (3)
Life and physical sciences:		SOC 238 (3)	BIOL 135 (3)
BIOL 143 (3)	BIOL 1308	SOC 335 (3)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	RDG 400 (3)	PE 1Any course (1)
Language, philosophy, and culture:		RDG 401 (3)	HED 233 (2)
ENG 230 (3)	EDCI 456 (3)	GEOG 331 (3)	
Creative arts:		GEOG 332 (3)	
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
Institutional Options:		EDCI 458 (3)	
SC 135	SPCH 1321	EDCI 329 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 SOCIAL STUDIES/NATIONALLY RECOGNIZED
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
MATH 133 College Algebra	3	GEOL 141 Geology	3	
SC 135 Speech Communication	3	BIOL 143 Survey of Life Science	3	
HIST 231 Social & Political History of the United States to 1877	3	EDCI 210 Instructional Technology I	3	
MUSI 239 Fine Arts in Daily Living	3	HIST 232 Social & Political History of the United States to 1877	3	
PE (Any Course)	1	HED 233 Principles of Health	2	
	16 hrs		17 hrs	

Transition 0: Before the end of Second Semester the candidate should:
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	PSY 131 General Psychology	3	GEOG 132 World Regional Geography	3
BIOL 135 Biological Science I Lec	3	POL SCI 236 American Polit. System II	3	
ENG 230 World Literature I	3	MATH 236 Found., Geom., Stat., Prob.	3	
POL SCI 235 American Polit. System I	3	SPED 309 Survey of Exceptional Educ. I	3	
MATH 235 Struc. & App. Of Numb. Sys	3	EDCI 340 Instructional Technology II	3	
	15 hrs		15 hrs	

Transition 1: Before the end of Fourth Semester, candidate should:
• Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SOC 238 Introduction to Anthropology	3	EDCI 310 Field Based I - Performance Focused Teaching	3
ECON 315 Environmental Economics	3	GEOG 332 Economic Geography	3	
*EDCI 329 Content Focused Teaching in Social Studies	3	SOC 335 Ethnic Groups in Society	3	
GEOG 331 Geography of Texas	3	EDCI 339 Classroom Management	3	
HIST 371 Texas History	3	RDG 400 Content Area Reading	3	
EDCI 404 Certification Seminar	3			
	18 hrs		15 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Teaching 4-8	6
	EDCI 346 Introduction to Educational Psychology	3	EDCI 458 Seminar in Teaching	3
	EDCI 350 Designing and Implementing Instruction & Assessment	3		
	RDG 401 Rdg. For Div. Populations	3		
	HIST 451 Mexican American History	3		
	15 hrs		9 hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
4-8 SCIENCE CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Generalist)	OTHER REQUIREMENTS
42 credits	TCCNS	63 credits	15 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	BIOL 135 (3)	EDCI 340 (3)
ENG 132 (3)	ENGL 1302	BIOL 343, 345 (4)	BIOL 135 (3)
Mathematics:		BIOL 347 (4)	GEOG 132 (3)
MATH 133 (3)	MATH 1314	BIOL 347 (4)	PE 1Any course (1)
Life and physical sciences:		CHEM 131 (4)	HED 233 (2)
BIOL 143 (3)	BIOL 1308	CHEM 132 (4)	SPED 309 (3) or SPED 370 (3)
GEOL 141 (3)	GEOL 1303	PHYS 237 (3)	
Language, philosophy, and culture:		PHYS 238 (3)	
ENG 230 (3)	EDCI 456 (3)	RDG 401 (3)	
Creative arts:		EDCI 346 (3)	
MUSIC 239 (3)	HUMA 1315		
American history:			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
Institutional Options:		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 402 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES
4-8 SCIENCE CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	MUSI 239 Fine Arts in Daily Living	3	BIOL 143 Survey of Life Science	3
	MATH 133 College Algebra	3	HED 233 Principles of Health	2
	PE (Any Course)	1	EDCI 210 Instructional Technology I	3
		16 hrs		17 hrs

Transition 0: Before the end of Second Semester the candidate should:
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	PHYS 238 College Physics II (Must Take Lab)	4
	PSY 131 General Psychology	3	CHEM 131 Gen. Chemistry I	3
	PHYS 237 College Physics I (Must Take Lab)	4	CHEM 111 Gen. Chemistry Lab	1
	16 hrs		14 hrs	

Transition 1: Before the end of Fourth Semester, candidate should:
• Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 343 Ecology	3	EDCI 310 Field Based I- Performance Focused Teaching.	3
	BIOL 345 Ecology Lab	1	EDCI 339 Classroom Management	3
	*RDG 400 Content Area Reading	3	SPED 370 Survey of Exceptional Educ. II	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 340 Instructional Technology II	3
	EDCI 404 Certification Seminar	3	EDCI 346 Introduction to Educational Psychology	3
	CHEM 132 Gen. Chemistry II (Must take lab)	4		
	17 hrs		15 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	BIOL 347 Microbiology	4	Any Elective (3 hours)	3
	RDG 401 Rdg. For Div. Populations	3		
	13 hrs		12 hrs	

Transition 3: Before the end of the Seventh Semester, the candidate should:

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: By the end of the Eighth Semester, the candidate should

Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ T#: _____ Phone: _____

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Advisor: _____ Date: _____

Approved:

Chair, Department of C & I _____ Date: _____

Dean, College of Education: _____ Date: _____

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**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
SPECIAL EDUCATION ALL LEVELS/EC-6 CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (Special Education All Levels/ EC-6)	OTHER REQUIREMENTS
42 credits	TCCNS	63 credits	18 credits
Communication:		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	SPED 309 (3)	MATH 236 (3)
Mathematics:		SPED 370 (3)	EDCI 340 (3)
MATH 133 (3)	MATH 1314	SPED 402 (3)	BIOL 135 (3)
Life and physical sciences:		SPED 404 (3)	GEOG 132 (3)
BIOL 143 (3)	BIOL 1308	SPED 405 (3)	PE 1Any course (1)
GEOL 141 (3)	GEOL 1303	SPED 406 (3)	HED 233 (2)
Language, philosophy, and culture:		RDG 301 (3)	
ENG 230 (3)	EDCI 456 (3)	RDG 302 (3)	
Creative arts:		RDG 401 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 402 (3)	
American history:		EDCI 330 (3)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
Government/political science:		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
Social and behavioral sciences:		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 463 (6)	
Institutional Options:		EDCI 458 (3)	
SC 135	SPCH 1321	EDCI 329 (3)	
EDCI 210 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
SPECIAL EDUCATION ALL LEVELS/EC-6 CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	SC 135 Speech Communication	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	HED 233 Principles of Health	2
	MATH 133 College Algebra	3	EDCI 210 Instructional Technology I	3
	PE (Any Course)	1		
		16 hrs		14 hrs

Transition 0: *Before the end of Second Semester the candidate should:*
Complete Quick THEA with minimum scores of:
Reading: 250 Math: 230 Writing: 220 (Multiple-Choice Section)

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	BIOL 135 Biological Science I Lec	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	SPED 309 Survey of Exceptional Educ. I	3
	PSY 131 General Psychology	3	SPED 370 Survey of Exceptional Educ. II	3
	15 hrs		15 hrs	

Transition 1: *Before the end of Fourth Semester, candidate should:*
 • Be admitted to the Educator Preparation Program.

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	SPED 405 Educational Procedures II	3	EDCI 339 Classroom Management	3
	SPED 404 Managing Behaviors	3	*EDCI 330 Content Focused Teaching in Mathematics	3
	SPED 406 Sch./Comm. Collab. For Spec. Ed	3	*EDCI 402 Content Focused Teaching in Science	3
	EDCI 404 Certification Seminar	3	EDCI 346 History & Theory of Child Development	3
	SPED 402 Assess Practices for Children w/ Disabilities	3	*EDCI 329 Content Focused Teaching in Social Studies	3
	18 hrs		18 hrs	

Transition 2:
Before the end of Fifth Semester, candidate should:

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)
- Register with T-Cert.
- Login with Certify Teacher
- (*) Content Block Courses taken concurrently

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)
- Take and pass the TExES Content Test.

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
	EDCI 350 Instructional Strategies	3	EDCI 458 Seminar in Teaching	3
	RDG 401 Rdg. For Div. Populations	3		
	EDCI 340 Instructional Technology II	3		
	RDG 302 Science of Teaching Reading	3		
	15 hrs		9 hrs	

Transition 3: *Before the end of the Seventh Semester, the candidate should:*

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Practice

*Students cannot apply for Clinical Practice unless all state licensure exams are passed (see catalog).

IMPORTANT NOTE: Candidate cannot enroll in Clinical Practice until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

Transition 4: *By the end of the Eighth Semester, the candidate should*

**Satisfy all requirements for Texas Teacher Certification
Graduate from the Educator Preparation Program**

By signing this degree plan, you agree that you have met with your advisor and had all your questions answered.

Name: _____ **T#:** _____ **Phone:** _____

Address: _____

Advisor: _____ **Date:** _____

Approved:

Chair, Department of C & I _____ **Date:** _____

Dean, College of Education: _____ **Date:** _____

This degree plan is your official contract with the Department of Curriculum & Instruction, in the College of Education at Texas Southern University. Successful completion of the courses and passing the required examinations during the semesters as indicated in the degree plan will make you eligible for the B.S. degree in Interdisciplinary Studies

DEPARTMENT OF HEALTH AND KINESIOLOGY

The Department of Health and Kinesiology offers courses in Health (HED), Human Performance (KIN), Recreation & Leisure Studies (RECL), Sport Management (SPMT), three undergraduate degrees, and one graduate degree. The Bachelor of Science (B.S.) in Health Studies, Bachelor of Science (B.S.) in Human Performance, and Bachelor of Science (B.S.) in Sport Management are offered on the undergraduate level; the Master of Science (M.S.) in Health and Human Performance are offered at the graduate level. The Department offers four minors, one in Health Studies, one in Human Performance, one in Recreation and Leisure, and one in Sport Management, for students pursuing undergraduate degrees in other instructional units at the University. Students may also earn Teacher Certification for the state of Texas either in Health Studies or Human Performance through the Educator Preparation Program in the College of Education in conjunction with the two undergraduate degrees offered. Members of the Department and department facilities are located in the Health and Physical Education Building with the Department Office located in Room 103. Students who are interested in detailed information regarding the Master of Science in Health and Human Performance should consult the Graduate School Bulletin of Texas Southern University.

The primary mission of the Department of Health and Kinesiology is to prepare students for entry into the workforce and for graduate study. A secondary mission is to ensure that all students matriculating through the University have an understanding of the importance of wellness and health-related fitness upon society.

In pursuing either the B.S. in Health Studies, the B.S. in Human Performance or the B.S. in Sport Management, there are several concentrations of study, two concentrations for the B.S. in Health Studies, four concentrations for the B.S. in Human Performance and five concentrations for the B.S. in Sport Management. Completion of the B.S. in Health Studies, (EC – 12 Health Studies Concentration), the B.S. in Human Performance (All Levels Teaching Concentration), and B.S. in Human Performance (Athletic Training – All Levels Teaching Concentration), requires matriculating students to be admitted to the Educator Preparation Program in the College of Education. Completion of the B.S. in Health Studies (Non-Teaching Concentration), the B.S. in Human Performance (Athletic Training – Non-Teaching Concentration), and the B.S. in Human Performance (Recreation & Leisure Studies – Non-Teaching Concentration), requires an internship. Both Athletic Training concentration options also require a mandatory 1800 hour externship working under a certified/licensed athletic trainer and the matriculating student will be prepared to sit for the licensure examination administered by the Advisory Board of Athletic Trainers for the state of Texas. Completion of the B.S. in Sport Management (Business Concentration), B.S. in Sport Management (Health Concentration), B.S. in Sport Management (Human Performance Concentration), B.S. in Sport Management (Journalism Concentration), and B.S. in Sport Management (Radio, Television, Film Concentration) require an externship.

Requirements for the B.S. in Health Studies, B.S. in Human Performance, B.S. in Sport Management and the four minors (Health Studies, Human Performance, Recreation and Leisure, and Sport Management) are summarized. Interested students must first be admitted to the University, and must satisfy the THEA requirements. Students are admitted after review by a departmental committee and, once admitted, are assigned an official advisor who should be consulted on a semester or term basis and who will guide those students in need of being admitted to the Education Preparation Program in that process. The advisor will also advise students with regard to their status for graduation as they enter and complete the senior year. After completion of PE 112, KIN 211, KIN 212, KIN 127, KIN 233, and KIN 235 during the sophomore year, Human Performance majors will be administered a departmental diagnostic comprehensive examination in KIN 302. **All requirements for the Educator Preparation Program must be met (consult previous section of this document under the College of Education), and students must have an overall GPA of 2.75 or better to graduate. Courses designated as major courses must be completed with grades of “C” or better, where grades of “C-“ are unacceptable, and grade restrictions referenced for the Educator Preparation Program must also be adhered to. Prior to graduation, a comprehensive departmental exit examination is administered to seniors.**

For the minor in Health Studies, 21 semester credit hours are required through enrollment in the following courses in the Department: HED 234 (3 credits), HED 335 (3 credits), HED 340 (3 credits), HED 432 (3 credits), HED 433 (3 credits), HED 471 (3 credits), and HED 477 (3 credits). Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits.

For the minor in Human Performance, 21 semester credit hours are required through enrollment in the following courses in the Department: KIN 127 (3 credits), KIN 211 (1 credit), KIN 212 (1 credit), KIN 235 (3 credits), KIN 302 (3 credits), KIN 324 (2 credits), KIN 327 (2 credits), KIN 336 (3 credits), and KIN 437 (3 credits). Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits.

For the minor in Recreation & Leisure Studies, 21 semester credit hours are required through enrollment in the following courses in the Department: RECL 234 (3 credits), RECL 332 (3 credits), RECL 332 (3 credits), RECL 335 (3 credits), RECL 373 (3 credits), and RECL 379 (3 credits) as well as RECL 434 (3 credits) or RECL 476 (3 credits). Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits.

For the minor in Sport Management, 21 semester credit hours are required through enrollment in the following courses in the Department: SPMT 134 (3 credits), SPMT 135 (3 credits), SPMT 273 (3 credits), SPMT 279 (3 credits), SPMT 332 (3 credits), and SPMT 333 (3 credits) as well as SPMT 434 or SPMT 476 (3 credits). Grades of “C” or better, where grades of “C-“ are not acceptable, must be earned in all classes making up the 21 credits.

Students who need to earn teacher certification in a supporting teaching field may earn this additional certification in either Health Studies or Human Performance through the Department. All requirements for the Educator Preparation Program, including grade requirements, must be met in seeking these additional certifications.

For the supporting certification in Health Studies, 24 semester credit hours are required in the Department through enrollment in the following three-credit courses: HED 234, HED 333, HED 340, HED 432, HED 433, HED 436, HED 471, and HED 477. **The cognate courses of BIOL 245 and HED 399 are also required.**

For the supporting certification in Human Performance, 24 semester credit hours are required in the Department through enrollment in the following three-credit courses: KIN 127, KIN 233, KIN 337, KIN 338, KIN 339, KIN 378, KIN 437, and one additional upper-level KIN course. **The cognate courses of BIOL 245, HED 333, and PE 399 are also required.**

Students wishing to pursue either a minor or certification in a supporting teaching field offered, just as those pursuing majors, must also petition the Department for admission. All students enrolled in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

Degree requirements are summarized below for the B.S. in Health Studies, B.S. in Human Performance, and B.S. in Sport Management; however, students admitted to the Department who pursue these supporting degrees must seek advisement from their assigned faculty advisor because of the frequency with which certification requirements change as dictated by the state of Texas.

In summary, students who gain admission to the University must meet THEA responsibility, must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed by all interested students. Additional information may be obtained from the Department Office at (713) 313-7087.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Cavil, Jafus Assistant Professor B.S., Prairie View A & M University M.Ed., Prairie View A & M University M.S., Texas Southern University M.B.A., Texas Southern University Ed.D., Texas Southern University</p>	<p>Moreland, Robert Assistant Professor B.S., Tougaloo College M.S., Indiana University Director of Physical Education, Indiana University</p>
<p>Duncan, Clyde Instructor B.S., M.S., Texas Southern University</p>	<p>Meshack, Angela Assistant Professor B.S., University of Houston M.P.H., University of Texas School of Public Health Dr.P.H., University of Texas School of Public Health</p>
<p>Fisher, Dwalah Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>	<p>Owlia, Gholamali Professor B.S., University of Iran Isfahan M.S., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Flowers, Courtney Assistant Professor B.S., Mississippi Valley State University M.S., Grambling State University Ph.D., University of New Mexico</p>	<p>Randle, Earnestine Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>
<p>Floyd, Gabrielle Visiting Instructor B.S., M.S., Texas Southern University</p>	<p>Reynolds, Lacey Assistant Professor B.S., Mississippi Industrial College M.S., Delta State University Ed.D., Texas Southern University</p>
<p>Harvey, John Instructor B.S., Wiley College M.S., Prairie View A & M University</p>	<p>Thomas, William Instructor B.S., M.S., Tennessee State University</p>
<p>Hurst, Jesse Assistant Professor B.S., Oklahoma State University M.S., Prairie View A & M University Ed.D., Texas Southern University</p>	<p>Harper, DeLeon Instructor B.S., Texas Southern University M.S., Texas Southern University</p>

HEALTH COURSES (HED)

HED 223	Basic CPR Basic concepts in cardiopulmonary resuscitation; certification in basic cardiac life support. One hour of lecture and two hours of laboratory per week.	(2)
HED 233	History and Principles of Health Discussion of the historical and philosophical development of health. Consideration given to those illnesses and health hazards of major significance and concern in contemporary society. Two hours of lecture per week. Listed as PHED 1206 in the Texas Common Course Numbering System.	(2)
HED 234	History and Biological Function Organizational components of the human body; types of diseases; biological defense mechanisms, healing processes; and human biological growth and development. Three hours of lecture per week.	(3)
HED 333	Emergency and Care of Injuries Reinforcement of first aid and emergency care principles and concepts in challenging and motivational presentations. Three hours of lecture per week.	(3)
HED 335	Problems in Community Health In-depth study of contemporary community health problems encountered in an area of diverse ethnicity and mobility. Emphasis on the biological, psychological, and socioeconomic factors that impact disease and levels of wellness. Three hours of lecture per week.	(3)
HED 336	Organization and Administration of Health Programs Analysis of the organizational structure, administrative policies, and management styles of official and non-official agencies at the local, state, and national levels. Three hours of lecture per week.	(3)
HED 338	Sexually Transmitted Diseases Overview of the causes, treatment, and prevention of sexually transmitted diseases, including socioeconomic variables. Three hours of lecture per week. Offered as needed.	(3)
HED 339	Diseases and Consumer Health Factual, scientifically-based information about diseases, medical goods, and services with an analysis of issues and strategies undertaken by consumers and providers to bring about changes in health systems and society. Three hours of lecture per week.	(3)
HED 340	Environmental and Public Health Identification of environmental health hazards associated with the home and workplace along with consideration of human environment interactions in modern society. Three hours of lecture per week.	(3)
HED 399	Health Seminar Discussion of topics of current relevance with the main focus on local health problems. Presentation of outstanding speakers in the areas of school and community health. Two hours of lecture per week. Majors only. Prerequisite: Junior standing.	(2)
HED 432	Fitness for Living Considers the influence of exercise, rest, fitness, and lifelong activity in prevention of behavior-related problems and benefits of health and wellness promotion activities. Three hours of lecture per week. Prerequisite: Junior standing.	(3)

HED 433	Personal Health and Safety I Identification of current problems relating to family relations, marriage styles, the changing family, social hygiene, chemical use and abuse and the effects on the individual and society. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
HED 434	Mental Hygiene Examination of the basic problems of mental hygiene encountered in the community. Consideration given to emotional problems of childhood, adolescence, and adulthood. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
HED 435	International Health Issues Discussion of health issues in other countries, as compared to the United States, with implications considered for global impact. Three hours of lecture per week. Offered as needed.	(3)
HED 436	Hygiene of the School Child In-depth study of the combination of factors affecting the health of children and adolescents and the impact of lifestyles on human growth and development. Three hours of lecture per week.	(3)
HED 437	Health Economics Discussion of the issues of optimum health and well-being and the cost to government, providers and consumers. Alternative methods of health care delivery and funding mechanisms considered. Three hours of lecture per week. Offered as needed.	(3)
HED 438	Hygiene of Children and Adolescents Study of the conditions found in childhood and adolescence and preventive measures to reduce the incidence and severity of these. Consideration of the control of risk factors and how lifestyle modification impacts development. Three hours of lecture per week. Offered as needed.	(3)
HED 439	Review of Selected Health Materials Study of published health materials available to the public to determine scientific accuracy and degree of value to consumers and professionals in the field. Three hours of lecture per week. Offered as needed.	(3)
HED 471	Personal Health and Safety II Health problems associated with alcohol, tobacco, and narcotics use and the impact of such behavior on society's safety, economics, and health with implications for health promotion. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
HED 472	Foundations of Safety Study of the basic assumptions that aid in understanding situations related to safety in the world in which we live. Emphasis on human interactions and mutual impact. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
HED 477	Human Sexuality Examination of the biological, psychological, and cultural dimensions of sexuality; exploration of controversial issues surrounding human sexuality as they impact human well-being and quality of life. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
HED 499	Supervised Individual Work/Research in Community Health Directed internship with local health agencies or programs that includes close supervision and seminars. Emphasis on improving professional competency in students and assisting them in relating theory to practice. One hour of lecture and five hours of laboratory per week. Prerequisites: MAJORS ONLY . Senior standing.	(6)

HUMAN PERFORMANCE COURSES (PE)

The following Human Performance courses, with the exception of PE 111 and PE 112, may be used to satisfy “Other Requirements” in the various undergraduate degree plans referenced in other departments of the University.

PE 100	Water Aerobics Aerobic activities conducted in water. Two hours of laboratory per week.	(1)
PE 101	Bowling Study and practice of the basic techniques, scoring, and history of bowling. Two hours of laboratory per week.	(1)
PE 102	Physical Fitness Study and practice of physical fitness activities and the effects of exercise on systems of the human body. Two hours of laboratory per week. Listed as PHED 1164 in the Texas Common Course Numbering System.	(1)
PE 103	Racquetball Basic activity course in racquetball. Two hours of laboratory per week.	(1)
PE 104	Intermediate Racquetball Advanced techniques and skills for racquetball. Two hours of laboratory per week. Prerequisite: PE 103. Offered as needed.	(1)
PE 106	Intermediate Bowling Advanced techniques and skills for bowling. Two hours of laboratory per week. Prerequisite: PE 101. Offered as needed.	(1)
PE 107	Walking, Jogging, and Fitness Appraisal Fitness techniques for walking and jogging as a lifelong activity. Two hours of laboratory per week.	(1)
PE 108	Modern Dance I Fundamentals of modern dance providing an opportunity for students to develop techniques, aesthetic appreciation, and creativity. Two hours of laboratory per week. Listed as DANC 1145 in the Texas Common Course Numbering System.	(1)
PE 109	Modern Dance II Continuation of PE 108. Two hours of laboratory per week. Listed as DANC 1146 in the Texas Common Course Numbering System.	(1)
PE 110	Folk and Square Dance Dance instruction providing experiences in international folk dances, square dances, and folklore. Two hours of laboratory per week.	(1)
PE 111	Team Sports I Theory, rules, and practice of soccer, flag/touch football, and volleyball. Three hours of laboratory per week. Restricted to majors.	(1)
PE 112	Team Sports II Theory, rules, and practice of basketball, field hockey, and softball. Three hours of laboratory per week. Restricted to majors.	(1)
PE 113	Speedball and Soccer Advanced techniques and skills for speedball and soccer. Two hours of laboratory per week.	(1)

PE 115	Volleyball and Basketball Theory and practice in basketball and volleyball fundamentals. Two hours of laboratory per week.	(1)
PE 116	Touch Football and Concentration Theory and practice in touch/flag football and concentration fundamentals. Two hours of laboratory per week.	(1)
PE 117	Swimming Instruction in basic swimming strokes. Two hours of laboratory per week.	(1)
PE 118	Golf Fundamentals and techniques of golf. Two hours of laboratory per week.	(1)
PE 119	Tennis and Badminton Fundamentals and techniques of tennis and badminton. Two hours of laboratory per week.	(1)
PE 120	Adapted Activities I Adapted activities for students unable to participate in regular human performance classes. Two hours of laboratory per week. Physician's statement required.	(1)
PE 121	Adapted Activities II Continuation of PE 120. Two hours of laboratory per week. Prerequisite: PE 120. Physician's statement required.	(1)
PE 122	Aerobic Activities Instruction and practice in basic aerobic activities. Two hours of laboratory per week.	(1)
PE 125	Weight Training Introductory course in the correct use of weights in body development. Two hours of laboratory per week.	(1)
PE 128	Tae Kwon-Do I Fundamental offensive and defensive techniques used in Tae Kwon-Do. Student abilities assessed in relation to the technical and physical requirements of the martial arts. Meditation and mental discipline introduced. Two hours of laboratory per week.	(2)

The following courses do not satisfy "Other Requirements" for the various undergraduate degrees in other departments, but are intended for Human Performance majors and minors.

PE 123	Football and Basketball Lectures, demonstrations, and practice in advanced skills of football and basketball. Two hours of lecture per week. Offered as needed.	(2)
PE 124	Baseball and Concentration Lectures, demonstrations, and practice in advanced skills of baseball and concentration. Two hours of lecture per week. Offered as needed.	(2)

UNDERGRADUATE COURSES

Current

- KIN 127 Foundations I (3)**
Basic foundations in human performance, including historical development, philosophical implication, and issues related to movement. Three hours of lecture per week. **Listed as PHED 1301 in the Texas Common Course Numbering System.**
- KIN 211 Individual/Dual Sports and Activities I (1)**
Theory, rules, and practice of archery, bowling, dance, weight training, and gymnastics/tumbling. Three hours of laboratory per week. **MAJORS ONLY**
- KIN 212 Individual/Dual Sports and Activities II (1)**
Theory, rules, and practice of concentration and field, swimming, badminton, wrestling, tennis, golf, and cycling. Three hours of laboratory per week. **MAJORS ONLY**
- KIN 233 Foundations II (3)**
Continued study of the principles of human performance, including an overview of the status and scope of modern performance programs, activities for children of various ages, and assessment of skills. Three hours of lecture per week. **Prerequisite: PE 127.**
- KIN 235 Introduction to Adapted Physical Education (3)**
Study of the general organization of programs and exercises for the handicapped. Recreational sports, aquatic skills, and planning procedures included. Three hours of lecture per week.
- KIN 300 Athletic Training Practicum/Seminar I (3)**
Theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture and one hour of laboratory per week.
- KIN 301 Athletic Training Practicum II (3)**
Advanced theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture and one hour of laboratory per week.
- KIN 302 Physical Fitness Programs for Elementary and Secondary Schools (3)**
Study and practice of fitness activities and the effects of exercise upon systems of the body. Two hours of lecture and one hour of laboratory per week.
- KIN 324 Advanced Swimming (2)**
Completion of requirements for the Red Cross Water Safety Instructor's Certificate. Two hours of laboratory per week. **Prerequisite: Current Red Cross Senior Life Saving Certificate.**
- KIN 327 Advanced Gymnastics (2)**
Theory and practice in performing pyramid building, stunts, and apparatus activities. Two hours of lecture per week.
- KIN 329 Theory and Practice of Coaching and Officiating (2)**
Theory, practice, rules, mechanics, and strategies of coaching and officiating various sports activities. Two hours of laboratory per week.
- KIN 331 Performance Practicum (3)**
Techniques and theories of sports activities and their applications to practical situations. Three hours of lecture per week.

KIN 332	Coaching and Officiating Sports Activities for Secondary Schools Study of coaching strategies, techniques, and theories of selected sports activities in secondary schools. Three hours of lecture per week.	(3)
KIN 333	Coaching and Officiating of Football and Basketball Study of theory, strategy, and mechanics of coaching football and basketball. Emphasis placed on designing coaching strategies. Three hours of lecture per week.	(3)
KIN 334	Coaching and Officiating of Baseball and Concentration Study of theory, strategy, and mechanics of coaching baseball and concentration. Emphasis placed on designing coaching strategies. Three hours of lecture per week.	(3)
KIN 335	Administration of Intramural Sports Techniques for organizing, directing, and supervising intramural programs of sports activities. Three hours of lecture per week.	(3)
KIN 336	Organization and Administration of Physical Education Emphasis on the organization and administration of physical education programs in elementary and secondary schools. Three hours of lecture per week.	(3)
KIN 337	Movement Skill Development at the Elementary Level - The PE Program in the Elementary School Principles of and activities for movement education and sports related skills at the elementary school level. Three hours of lecture per week.	(3)
KIN 338	Principles and Techniques for Outdoor and Leisure Activities Discussion of techniques and skills required for outdoor and leisure sports. Three hours of lecture per week.	(3)
KIN 339	Advanced Techniques, Skills, and Rules for Sports Activities - Fundamentals of Movement Techniques, skills, and rules of sports activities. Three hours of lecture per week.	(3)
KIN 370	Athletic Training I Demonstration and management study of athletic injuries. Two hours of lecture and one hour of laboratory per week. Athletic Training Majors Only	(3)
KIN 371	Athletic Training II Fundamental principles and methods for preliminary diagnosis of athletic injuries, including choice of initial treatment and rehabilitation procedures. Two hours of lecture and one hour of laboratory per week. Prerequisite: PE 370. Athletic Training Majors Only	(3)
KIN 372	Therapeutic Exercise Modalities Study of the use, selection, and application of therapeutic modalities in the rehabilitation of athletic injuries. Three hours of lecture per week.	(3)
KIN 374	Sociology of Sports Sports and their impact on American society; social organization from play to professional sports; violence; discrimination; women in sports; socialization and implications from participation in sports. Three hours of lecture per week.	(3)
KIN 378	Individual Development and Motor Learning Study of the nature of learning factors that affect motor learning and individual development at various skill levels. Two hours of lecture and one hour of laboratory per week.	(3)
KIN 379	Facilities and Equipment Management Discussion of skills and logistics necessary for management of sports facilities and related equipment. Three hours of lecture per week. Offered as needed.	(3)

- KIN 399 Physical Education Seminar (2)**
Issues and application of organizational and administrative principles of physical education. Two hours of lecture per week. **Majors only. Prerequisite: Junior standing.**
- KIN 432 Rhythms and Games for Elementary School Teachers (3)**
Planning and execution of acceptable programs of physical education through the use of rhythmic and sports activities for the elementary grade level. Three hours of lecture per week.
- KIN 433 Current Problems in Physical Education (3)**
Study of selected problems and trends in physical education. Three hours of lecture per week. Prerequisite: Junior standing.
- KIN 434 Administration of Athletics (3)**
Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. **Offered as needed.**
- KIN 435 Tests and Measurements (3)**
Theory of measurements in physical education and recreation; selection of appropriate tests; and interpretation of test results through statistical procedures. Three hours of lecture per week. Prerequisite: Junior standing.
- KIN 437 Kinesiology (3)**
Scientific study of the skeletal muscles and human movement. Two hours of lecture and one hour of laboratory per week. **Prerequisite: BIOL 245.** Prerequisite: Junior standing.
- KIN 438 Physiology of Exercise (3)**
Study of the effects of exercise upon the systems and organs of the body. Skill, endurance, fatigue, training, and other factors considered as they affect performance. Two hours of lecture and one hour of laboratory per week. **Prerequisite: BIOL 245.** Prerequisite: Junior standing.
- KIN 439 Independent Study (3)**
Research and/or field work on selected projects or topics. Prerequisite: Consent of Advisor or Faculty Chair.
- KIN 499 Supervised Individual Work/Research in Kinesiology (6)**
Directed internship with local sports medicine facilities or programs that includes close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week. Prerequisite: **Senior standing. Human Performance and Athletic Training majors only**

RECREATION & LEISURE STUDIES COURSES (RECL)

- RECL 234 Foundations of Recreation, Parks and Leisure Services (3)**
This course is an introduction to the recreation, parks and leisure profession including the history of recreation, parks and leisure services. Orientation to the variety of services including their settings, services and organization; relationship to public, private or governmental agencies. An overview of career opportunities in the field. Trends in services to various populations. Three hours of lecture per week.
- RECL 332 Aquatic Facility Management and Waterfront Facility Operations (3)**
This course is a capstone course intended to provide a bridge from theory to professional practice. Integrates students' learning experiences from their core classes into their professional goals. Students explore their approaches to lifelong learning and make connections as to how a liberal arts background can facilitate currency and relevancy in professional practice and life. Determining a career direction, assuming professional roles and performing actual job responsibilities in a global and diverse world are emphasized. As students prepare for entry into the leisure, sport or wellness profession they are exposed to and practice steps in making decisions with a focus on promoting sound and ethical judgment to create a common good. Three hours of lecture per week.

- RECL 333 Leisure Studies: Human Diversity and the Environment (3)**
This course provides a comprehensive overview of the role of leisure in contemporary society. Sociological, economic, psychological and environmental implications of leisure are explored with diverse groups. Social and lifestyle changes are discussed with a multicultural focus and in relation to their impact on the future of leisure. Personal leisure lifestyles are reviewed and discussed. Three hours of lecture per week.
- RECL 335 Programming and Promotions in Recreation, Parks and Leisure Services (3)**
This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative leisure service agencies. Three hours of lecture per week.
- RECL 373 History and Philosophy of Recreation and Leisure Studies (3)**
This course reviews the historical and theoretical foundations, nature, and significance of recreation and leisure in contemporary society; current trends and prospects for the future. Survey of agencies, organizations, and programs in the leisure service field and the recreation profession. Three hours of lecture per week.
- RECL 379 Facility Planning and Maintaining Recreation, Park, Leisure Areas and Sport Facilities (3)**
This course examines the contemporary issues and related administrative practices associated with managing human resources in leisure services. Includes: basic elements, procedures and processes involved in planning, designing, developing and maintaining recreation, park, leisure and sport facilities and areas. Students assess and evaluate existing facilities and areas in terms of functionality, access standards and maintenance operations. Three hours of lecture per week.
- RECL 399 Professional Development and Capstone Experience in Recreation and Leisure, Sport and Wellness Related Professions (2)**
This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative leisure service agencies. Two hours of lecture per week. **Majors only. Prerequisite: Junior standing.**
- RECL 434 Management in Recreation, Sport and Leisure Services (3)**
This course is an introduction to basic concepts of organization, administration, and supervision of leisure service agencies. Application to recreation, parks, sports and leisure agencies is stressed. The administrative functions covered include personnel management, budgets, finance, resource planning, public relations, evaluation, legal issues, policy development, and problem-solving techniques. Essential elements of management systems are reviewed. Emphasizes human resource management and the employment process, personnel policies and procedures, legal issues, supervision, performance appraisal, and technological tools. Three hours of lecture per week.
- RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention and Aging (3)**
This course delivers an in-depth study of support and delivery systems, desirable practices of therapeutic recreation and of concepts associated with the practice of therapeutic recreation, including history, philosophy, professional development and medical terminology, as well as characteristics of illness, disease and disability. Overview of the process of therapeutic recreation, including assessing, planning, implementing and evaluating. Emphasis is on age-related illness, disease, disability and therapeutic activity intervention. Three hours of lecture per week.
- RECL 499 Supervised Internship in Recreation, Parks and Leisure Services (6)**
Directed internship with local sports medicine facilities or programs that includes close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week. **Prerequisite: Senior standing. Recreation majors only**

SPORT MANAGEMENT COURSES (SPMT)

- SPMT 134** **Sport & Entertainment Management** (3)
This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sport management. The course will introduce students to the American and World sport and entertainment enterprise; background, influences and trends; intercollegiate, collegiate and professional sport organizations; ownership and unionization; media portrayals. Emphasis will be placed on an introduction to the sport and entertainment management industry career fields. Three hours of lecture per week.
- SPMT 135** **Sport Marketing & Promotions** (3)
This course will include the application of marketing principles and concepts in the sports industry. It includes sponsorships, branding, promotions, public relations, licensing, and sports consumer research and behavior. Emphasis will include the foundations of consumer behavior and sport marketing planning. The course includes reviewing the design and implementation of marketing plans for the integration of product, pricing, promotion, distribution, sales, sponsorship, and advertising of sport goods and services. Three hours of lecture per week.
- SPMT 273** **Managerial Communication & Media Relations in Sport** (3)
This course is designed to explore the different types of communication in sport programs and how they are organized and administered at the school, community and professional levels. It will also explore the communication process in management of intramural, recreation, sport and health club programs. The course focuses on the skills, techniques, practices and issues related to the field of public relations, as well as the methods of critical analysis regarding public relations campaigns and the media production of an event (conference, game or tournament). **Prerequisites: ENG 131 AND ENG 132.**
- SPMT 279** **SPMT 279 Sport Program Events & Facility Management** (3)
This course provides students with an understanding of the intricacy and complexity involved in sport program event and facility management. Sport facility management includes a variety of activities such as planning and designing a sports facility, staff management, facility marketing, developing revenue streams, and facility scheduling and operating. Sport program event management consists of identifying goals of the event and coordinating people in the organizations involved to achieve those goals with the resources available. Three hours of lecture per week.
- SPMT 332** **Sports, Ethics and the Law** (3)
This course will explore the ethics and legal principles and rules of law affecting the administration of sports and recreation programs. Emphasis will be placed in the areas of negligence, product liability, nuisance, contracts, leisure, personnel practices, and risk management. Students are given opportunities to identify, examine, and present decisions on ethics issues related to sport and sport management. Theories of ethics, concepts of morality, codes of conduct, as well as personal philosophies in regard to social responsibility are some of the topics included in this course. Three hours of lecture per week. **Prerequisites: SPMT 134 AND SPMT 273.**
- SPMT 333** **Problems in Urban Recreation & Sports** (3)
This course provides an in-depth analysis of the causes and consequences of contemporary problems in urban sports with a focus on minorities. Students will utilize the case-study approach to examine the social, political, and economic factors influencing the structure and experience of sport in American cities. Emphasis will be placed on formulating solutions and potential strategies to address identified problems. This course focuses on sports as social and cultural phenomena. Students will learn to use sociological concepts and critical thinking to discover how sports affect multiple spheres of our social life, particularly in African American and other minority communities. Three hours of lecture per week. **Prerequisites: SPMT 134 AND SPMT 273.**

- SPMT 399 Sport Management Seminar (2)**
 This course will explore the issues and applications of organizational and administrative principles of sport management. This is a capstone course that provides an opportunity for students to demonstrate that they have achieved the goals for learning established by this educational institution and department. Includes the opportunity to integrate and apply learning from the sport management program in a comprehensive manner. Two hours of lecture per week. **Majors only. Prerequisite: Junior standing.**
- SPMT 434 Administration of Athletics in Organizations (3)**
 This course examines a philosophic rationale and a variety of methods that may be used to assess athletic programs and personnel. The course takes a unique view on the management of urban intercollegiate schools and HBCUs. The goals of this program are to improve the performance of athletic coaches and other athletic department personnel, improve program operations and improve satisfaction among players, parents and employees. Three hours of lecture per week. **Prerequisites: SPMT 273 AND SPMT 332.**
- SPMT 476 History of Sport Governance, African Diaspora & Black Colleges (HBCU) in Sports (3)**
 This course examines sports sociology in a global, issues-oriented approach to study the role of sport in society and the African American culture of sports. It encourages the discussion of current sports-related issues and controversies as well as helps students develop critical thinking skills. It reviews the history of the African Diaspora in Sports and Black College Sports, specifically the history of the SWAC and the role Black College (HBCU) Sports play in Texas. Three hours of lecture per week. **Prerequisite: SPMT 333.**
- SPMT 499 Sport Management Practicum (3/6)**
 Sport Management major students must complete one practicum and one internship (field experience) or two practicum internships (field experience). These work experiences are designed to involve students in a professional environment outside the classroom. Field experiences are carefully selected by the students and approved by their academic advisor. **Prerequisite: Junior/Senior standing. Sport Management majors only.**

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
EC-12 HEALTH STUDIES TEACHER CERTIFICATION CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HEALTH STUDIES)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRA- TION (OPTIONAL)
42 credits	EQUIVALENT	57 credits	21 credits	
Communication:		HED 223 (2)	EDCI 310 (3)	
ENG 131 (3) **	ENGL 1301	HED 233 (2)	EDCI 339 (3)	
ENG 132 (3)	ENGL 1302	HED 234 (3)	EDCI 328 (3)	
Mathematics:		HED 333(3)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	HED 335 (3)	RDG 401 (3)	
Life and physical sciences:		HED 336 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	HED 339 (3)		
BIOL 135 (3)	BIOL 2301	HED 399 (2)		
Language, philosophy, and culture:		HED 340 (3)		
ENG 2xx (3) ***		HED 432 (3)		
Creative arts:		HED 433 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	HED 434 (3)		
American history:		HED 436 (3)		
HIST 231 (3)	HIST 1301	HED 471 (3)		
HIST 232 (3)	HIST 1302	HED 477 (3)		
Government/political science:		KIN 437 OR KIN 438 (3)		
POLS 235 (3)	GOVT 2305	COGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 102 (1)		
Social and behavioral sciences:		PE 107 (1)		
PSY 131 (3)	PSY 2301	PE 122 (1)		
		KIN 331 (3)		
Institutional Options:		GEOG 132 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)****		
EDCI 210 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. ** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
EC-12 HEALTH STUDIES TEACHER CERTIFICATION CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	MUSI 239 Fine Arts in Daily Living	3	ENG 132 Freshman English II	3	
	PE 102 Physical Fitness	1	HIST 231 Social & Political History of the United States to 1877	3	
	BIOL 143 Survey of Life Science	3	MATH 133 College Algebra	3	
	ENG 131 Freshman English I	3	POLS 235 Federal Government	3	
	GEOG 132 World Regional Geography	3	SC 135 or 136 Business Professional Communication or Public Address	3	
	HED 233 History & Principles of Health	2	HED 223 Basic CPR	2	
		15 hrs		17 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	PE 122 Aerobic Activities	1	HED 335 Problems in Community Health	3	
	ENG 2XX	3	HED 333 Emergency & Care of Injuries	3	
	HED 234 History & Biological Function	3	HED 339 Diseases and Consumer Health	3	
	PSY 131 General Psychology	3	HIST 232 Social & Political History of the United States since 1877	3	
	BIOL 135 Human Anatomy and Physiology I	3	POLS 236 Texas Government	3	
	HED 340 Environmental and Public Health	3	EDCI 210 Instructional Technology I	3	
		16 hrs		18hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HED 336 Org & Admin of Health Programs	3	KIN 331 Performance Practicum	3	
	HED 399 Health Seminar	2	HED 471 Personal Health & Safety II	3	
	EDCI 310 Principles & Foundations of Ed	3	EDCI 328 Psychology of Learning & Dev	3	
	EDCI 339 Assessment and Evaluation	3	EDCI 350 Effective Instructional Strategies	3	
	Approved Elective	3	PE 107 Walking, Jogging, and Fitness Appraisal	1	
		14 hrs		13 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HED 432 Fitness in Living	3	HED 434 Mental Hygiene	3	
	HED 433 Personal Health and Safety I	3	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3	
	HED 436 Hygiene of the School Child	3	EDCI 468 Directed Student Teaching	6	
	HED 477 Human Sexuality	3			
	RDG 401 Diverse Populations	3			
		15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
HEALTH STUDIES NON-TEACHING CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HEALTH STUDIES)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	66 credits	12 credits	
Communication:		HED 233 (2)	Outside Interest (12)	
ENG 131 (3) **	ENGL 1301	HED 223 (2)	(Advisor approval)	
ENG 132 (3)	ENGL 1302	HED 234 (3)		
Mathematics:		HED 333 (3)		
MATH 133 (3)	MATH 1314	HED 335 (3)		
Life and physical sciences:		HED 336 (3)		
BIOL 143 (3)	BIOL 1308	HED 339 (3)		
BIOL 135 (3)	BIOL 2301	HED 340 (3)		
Language, philosophy, and culture:		HED 399 (2)		
ENG 2xx (3) ***		HED 432 (3)		
Creative arts:		HED 433 (3)		
MUSIC 239 or ART 131 (3)	HUMA 1315 or ARTS 1301	HED 434 (3)		
American history:		HED 435 (3)		
HIST 231 (3)	HIST 1301	HED 471 (3)		
HIST 232 (3)	HIST 1302	HED 472 (3)		
Government/political science:		HED 477 (3)		
POLS 235 (3)	GOVT 2305	HED 499 (6)		
POLS 236 (3)	GOVT 2306	KIN 437 or KIN 438 (3)		
Social and behavioral sciences:		COGNATE COURSES:		
PSY 131 (3)	PSY 2301	PE 102 (1)		
Institutional Options:		PE 122 (1)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	PE 107 (1) GEOL 141 (3)		
EDCI 210 (3)	COSC 1301	Approved Elective (6)****		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective-Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
HEALTH STUDIES NON-TEACHING CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing & Comp I	3	ENG 132 Freshmen English II	3	
	PE 102 Physical Fitness	1	HIST 231 Social & Political History of the United States to 1877	3	
	BIOL 143 Survey of Life Science	3	MATH 133 College Algebra	3	
	ENG 131 Freshman English I	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	GEOL 141 Intro to the Earth	3	PSY 131 General Psychology	3	
	HED 233 History & Principles of Health	2			
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 235 American Literature	3	EDCI 210 Instructional Technology I	3	
	HED 234 History & Biological Function	3	POLS 236 Texas Government	3	
	HIST 232 Social & Political History of the United States since 1877	3	HED 223 Basic CPR	2	
	BIOL 135 Human Anatomy and Physiology I	3	PE 107 Walking, Jogging, and Fitness Appraisal	1	
	PE 122 Aerobic Activities	1	HED 333 Emergency & Care of Injuries	3	
	POLS 235 Federal Government	3	HED 335 Problems in Community Health	3	
		16 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HED 340 Environmental and Public Health	3	HED 434 Mental Hygiene	3	
	HED 336 Org & Admin of Health Programs	3	HED 435 International Health Issues	3	
	HED 339 Diseases and Consumer Health	3	HED 471 Personal Health and Safety II	3	
	HED 399 Health Seminar	2	HED 472 Foundations of Safety	3	
	HED 432 Fitness for Living	3	Approved Elective	3	
	Approved Elective	3			
		17 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3	HED 499 Supervised Individual Work, Research in Community Health	6	
	HED 433 Personal Health and Safety I	3	Outside Interest	3	
	HED 477 Human Sexuality	3	Outside Interest	3	
	Outside Interest	3			
	Outside Interest	3			
		15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
ALL-LEVELS HUMAN PERFORMANCE TEACHER CERTIFICATION CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	57 credits	21 credits	
Communication:		KIN 127 (3)	EDCI 310 (3)	
ENG 131 (3) **	ENGL 1301	KIN 233 (3)	EDCI 339 (3)	
ENG 132 (3)	ENGL 1302	KIN 235 (3)	EDCI 328 (3)	
Mathematics:		KIN 324 (2)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	KIN 302 (3)	EDCI 468 (6)	
Life and physical sciences:		KIN 331 (3)	RDG 401 (6)	
BIOL 143 (3)	BIOL 1308	KIN 332 (3)		
BIOL 135 (3)	BIOL 2301	KIN 336 (3)		
Language, philosophy, and culture:		KIN 337 (3)		
ENG 2xx (3) ***		KIN 338 (3)		
Creative arts:		KIN 378 (2)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 435 (3)		
American history:		KIN 437 (3)		
HIST 231 (3)	HIST 1301	KIN 438 (3)		
HIST 232 (3)	HIST 1302	KIN 477 (3)		
Government/political science:				
POLS 235 (3)	GOVT 2305	COGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 211 (1)		
Social and behavioral sciences:		PE 212 (1)		
PSY 131 (3)	PSY 2301	PE 122 (1)		
		HED 333 (3)		
Institutional Options:		GEOG 132 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (6)****		
EDCI 210 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
ALL-LEVELS HUMAN PERFORMANCE TEACHER CERTIFICATION CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	PE 112 Team Sports	1	ENG 132 Freshman English II	3	
	KIN 127 Foundations I	3	GEOG 132 World Regional Geography	3	
	BIOL 143 Survey of Life Science	3	PSY 131 General Psychology	3	
	SC 135 or 136 Business & Professional Communication or Public Address	3	MUSI 239 or ART 131 Intro to Music or Drawing and Comp. I	3	
	Math 133 College Algebra	3	KIN 233 Foundations II	3	
	ENG 131 Freshman English I	3			
		16 hrs			15hrs
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
	ENG 2XX*	3	KIN 324 Advanced Swimming	3	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	BIOL 135 Human Anatomy and Physiology I	3	KIN 235 Intro to Adaptive Physical Education	3	
	Approved Elective	3	EDCI 210 Instructional Technology I	3	
		16 hrs			18 hrs
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	KIN 302 Physical Fitness for Elementary and Secondary Schools	3	KIN 336 Organization and Administration of Physical Education	3	
	KIN 331 Performance Evaluation	3	KIN 337 Movement Skill Development at the Elementary level	3	
	KIN 332 Coaching and Officiating	3	KIN 378 Individual Dev and Motor Learning	3	
	EDCI 310 Principles and Foundations of Education	3	EDCI 328 Psychology of Learning Development	3	
	EDCI 339 Assessment and Evaluation	3	EDCI 350 Effective Instructional Strategies	3	
		15 hrs			15 hrs
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 338 Principles and Techniques for Outdoor and Leisure Activities	3	Approved Elective	3	
	KIN 399 Physical Education Seminar	2	KIN 438 Physiology of Exercise	3	
	KIN 435 PE Test and Measurements	3	EDCI 468 Directed Student Teaching-All Lvl	6	
	KIN 437 Kinesiology	3			
	RDG 401 Diverse Populations	3			
	HED 433 Emergency Care of Injuries	3			
		17 hrs			12 hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
RECREATION & LEISURE STUDIES NON TEACHING CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (Recreation & Leisure)
42 credits	EQUIVALENT	46 credits		33 credits
Communication:		KIN 127 (3)		RECL 234 (3)
ENG 131 (3) **	ENGL 1301	KIN 233 (3)		RECL 332 (3)
ENG 132 (3)	ENGL 1302	KIN 235 (3)		RECL 333 (3)
Mathematics:		KIN 324 (2)		RECL 335 (3)
MATH 133 (3)	MATH 1314	KIN 336 (3)		RECL 373 (3)
Life and physical sciences:		KIN 337 (3)		RECL379 (3)
BIOL 143 (3)	BIOL 1308	KIN 338 (3)		RECL 399 (3)
BIOL 135 (3)	BIOL 2301	KIN 372 (3)		RECL 434 (3)
Language, philosophy, and culture:		KIN 374 (3)		RECL 476 (3)
ENG 2xx (3) ***		KIN 435 (3)		RECL 499 (6)
Creative arts:		KIN 437 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 438 (3)		
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305	CONGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 211 (1)		
Social and behavioral sciences:		PE 212 (1)		
PSY 131 (3)	PSY 2301	HED 333 (3)		
Institutional Options:		MATH 138 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)****		
EDCI 210 (3)	COSC 1301			

^^ All degree candidates must complete an 1800 clock hour internship working under a certified/licensed athletic trainer, and an approved externship.

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective-Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
RECREATION & LEISURE STUDIES NON-TEACHING CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	BIOL 143 Survey of Life Science	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	SC 135 or 136 Business & Professional Communication or Public Address	3	PSY 131 General Psychology	3	
	Math 133 College Algebra	3	EDCI 210 Instructional Technology I	3	
	PE 112 Team Sports II	1	KIN 233 Foundations II	3	
	KIN 127 Foundations I	3			
		16 hrs		15hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	KIN 235 Intro to Adapted Physical Education	3	RECL 234 Foundations of Recreation, Parks & Leisure Services	3	
	ENG 2**	3	KIN 324 Advanced Swimming	2	
	HIST 231 Social & Political History of the United States to 1877	3	MUSI 239 or ART 131 Fine Arts and Daily or Drawing and Comp. I	3	
	POLS 235 Federal Government	3	HIST 232 Social & Political History of the United States since 1877	3	
	BIOL 135 Human Anatomy and Physiology I	3	POLS 236 Texas Government	3	
			15hrs		14hrs
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	KIN 372 Therapeutic Exercise Modalities	3	KIN 336 Org & Admin of Physical Education	3	
	KIN 374 Sociology of Sports	3	KIN 337 Movement Skill Development at the Elementary Level	3	
	RECL 332 Aquatic Facility Management & Waterfront Facility Operations	3	RECL 373 History and Philosophy of Recreation & Leisure Studies	3	
	RECL 333 Leisure Studies: Human Diversity & The Environment	3	RECL 379 Facility Planning & Maintaining Recreation, Park, Leisure Areas, & Sports Facilities	3	
	RECL 335 Programming & Promotions in Recreation, Parks & Leisure Services	3	RECL 434 Management in Recreation, Sport, & Leisure Services	3	
	Approved Elective	3	PE 211 Individual/Dual Sports & Activities I	1	
		18 hrs		16 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	RECL 399 Professional Development & Capstone Experience in Recreation & Leisure, Sport & Wellness Related Professions	2	KIN 435 Test & Measurements	3	
	RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention & Aging	3	KIN 438 Physiology of Exercise	3	
	KIN 338 Principles & Techniques for Outdoor & Leisure Activities	3	RECL 499 Supervised Internship in Recreation, Parks & Leisure Services	6	
	KIN 437 Kinesiology	3			
	HED 333 Emergency & Care of Injuries	3			
	PE 212 Individual/Dual Sports & Activities II	1			
		15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE-ATHLETIC TRAINING
AII-LEVELS HUMAN PERFORMANCE - ATHLETIC TRAINING TEACHER CERTIFICATION
CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	PROFESSIONAL DEVELOPMENT	OTHER REQUIREMENTS
42 credits	EQUIVALENT	49 credits	21 credits	9 credits
Communication:		KIN 127 (3)	EDCI 310 (3)	FN 233 (3)
ENG 131 (3) **	ENGL 1301	KIN 233 (3)	EDCI 339 (3)	HSHI 362 (3)
ENG 132 (3)	ENGL 1302	KIN 235 (3)	EDCI 328 (3)	GEOG 132 (3)
Mathematics:		KIN 324 (2)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	KIN 302 (3)	EDCI 468 (6)	
Life and physical sciences:		KIN 331 (3)	RDG 401 (3)	
BIOL 143 (3)	BIOL 1308	KIN 336 (3)		
BIOL 135 (3)	BIOL 2301	KIN 370 (3)		
Language, philosophy, and culture:		KIN 371 (3)		
ENG 2xx (3) ***		KIN 372 (3)		
Creative arts:		KIN 378 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 437 (3)		
American history:		KIN 438 (3)		
HIST 231 (3)	HIST 1301	KIN 399 (2)		
HIST 232 (3)	HIST 1302	COGNATE COURSES:		
Government/political science:		HED 333 (3)		
POLS 235 (3)	GOVT 2305	PLUS		
POLS 236 (3)	GOVT 2306	Approved Elective (6)****		
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
ALL-LEVELS HUMAN PERFORMANCE-ATHLETIC TRAINING TEACHER CERTIFICATION
CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
KIN 127 Foundations I		3	GEOG 132 World Regional Geography	3
BIOL 143 Survey of Life Science		3	PSY 131 General Psychology	3
SC 135 or 136 Business & Professional Communication or Public Address		3	MUSI 239 or ART 131 Fine Arts and Daily or Drawing and Comp. I	3
Math 133 College Algebra		3	KIN 233 Foundations II	3
		15 hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 Federal Government	3	POLS 236 Texas Government
ENG 2XX*		3	KIN 324 Advanced Swimming	2
HIST 231 Social & Political History of the United States to 1877		3	HIST 232 Social & Political History of the United States since 1877	3
BIOL 135 Human Anatomy and Physiology I		3	KIN 235 Intro to Adaptive Physical Education	3
Approved Elective		3	EDCI 210 Instructional Technology I	3
		15 hrs		14 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	KIN 302 Physical Fitness for Elementary and Secondary Schools	3	KIN 336 Organization and Administration of Physical Education
KIN 331 Performance Evaluation		3	KIN 370 Athletic Training I	3
FN 233 Elementary Nutrition		3	HSHI 362 Medical Terminology	3
EDCI 310 Principles and Foundations of Education		3	EDCI 328 Psychology of Learning Development	3
EDCI 339 Assessment and Evaluation		3	EDCI 350 Effective Instructional Strategies	3
HED 333 Emergency & Care of Injuries		3		
	18 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	KIN 399 Physical Education Seminar	2	Approved Elective
KIN 378 Individual Dev and Motor Learning		3	KIN 438 Physiology of Exercise	3
KIN 371 Athletic Training II		3	EDCI 468 Directed Student Teaching-All Lvl	6
KIN 372 Therapeutic Modalities		3		
KIN 437 Kinesiology		3		
RDG 401 Diverse Populations		3		
	17 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
HUMAN PERFORMANCE - ATHLETIC TRAINING - NON-TEACHING CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	70 credits	9 credits	
Communication:		KIN 127 (3)	FN 233 (3)	
ENG 131 (3) **	ENGL 1301	KIN 233 (3)	GEOG 132 (3)	
ENG 132 (3)	ENGL 1302	KIN 235 (3)	HSHI 362 (3)	
Mathematics:		KIN 324 (2)		
MATH 133 (3)	MATH 1314	KIN 302 (3)		
Life and physical sciences:		KIN 331 (3)		
BIOL 143 (3)	BIOL 1308	KIN 336 (3)		
BIOL 135 (3)	BIOL 2301	KIN 339 (3)		
Language, philosophy, and culture:		KIN 370 (3)		
ENG 2xx (3) ***		KIN 371 (3)		
Creative arts:		KIN 372 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 374 (3)		
American history:		KIN 378 (3)		
HIST 231 (3)	HIST 1301	KIN 437 (3)		
HIST 232 (3)	HIST 1302	KIN 438 (3)		
Government/political science:		KIN 499 (6)		
POLS 235 (3)	GOVT 2305	CONGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 211 (1)		
Social and behavioral sciences:		PE 212 (1)		
PSY 131 (3)	PSY 2301	HED 233 (2)		
Institutional Options:		HED 223 (2)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	HED 333 (3) GEOL 141 (3)		
EDCI 210 (3)	COSC 1301	Approved Elective (9)****		

^^ All degree candidates must complete an 1800 clock hour internship working under a certified/licensed athletic trainer, and an approved externship.

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective-Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
HUMAN PERFORMANCE - ATHLETIC TRAINING- NON TEACHING CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	KIN 127 Foundations I	3	GEOL 141	3	
	BIOL 143 Survey of Life Science	3	PSY 131 General Psychology	3	
	SC 135 or 136 Business & Professional Communication or Public Address	3	MUSI 239 or ART 131	3	
			Fine Arts and Daily or Drawing and Comp. I		
	Math 133 College Algebra	3	HED 233 History & Principles of Health	2	
		EDCI 210 Instructional Technology I	3		
		15 hrs		17hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	1	
	KIN 233 Foundations II	3	KIN 235 Intro to Adapted Physical Education	3	
	HIST 231 Social & Political History of the United States to 1877	3	HED 223 Basic CPR	2	
	POLS 235 Federal Government	3	HIST 232 Social & Political History of the United States since 1877	3	
	BIOL 135 Human Anatomy and Physiology I	3	POLS 236 Texas Government	3	
	ENG 2XX	3	HED 333 Emergency & Care of Injuries	3	
		16 hrs		15hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	KIN 302 Physical Fitness for Elementary and Secondary Schools	3	KIN 339 Fundamentals of Movement	3	
	FN 233 Elementary Nutrition	3	KIN 370 Athletic Training I	3	
	KIN 324 Advance Swimming	2	HSHI 362 Medical Terminology	3	
	KIN 336 Org & Admin of Physical Education	3	GEOG 132 World Regional Geography	3	
	Approved Elective	3	Approved Elective	3	
	Approved Elective	3			
		17 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 371 Athletic Training II	3	KIN 372 Therapeutic Exercise Modalities	3	
	KIN 374 Sociology of Sports	3	KIN 438 Physiology of Exercise	3	
	KIN 378 Individual Development and Motor Learning	3	KIN 499 Supervised Individual Work	6	
	KIN 437 Kinesiology	3			
	KIN 399 Physical Education Seminar	2			
		14 hrs		12 hrs	

**Internship Requirements: 1800 Clock Hours working under the guidance of a certified/licensed athletic trainer.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
BUSINESS CONCENTRATION
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Sport Management)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (Business)
42 credits	EQUIVALENT	56 credits		24 credits
Communication:				
ENG 131 (3) **	ENGL 1301	SPMT 134 (3)		ACCT 231 (3)
ENG 132 (3)	ENGL 1302	SPMT 135 (3)		ACCT 232 (3)
Mathematics:				
MATH 133 (3)	MATH 1314	SPMT 279 (3)		ECON 231 (3)
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	SPMT 333 (3)		FIN 301 (3)
BIOL 135 (3)	BIOL 2301	SPMT 434 (3)		MKTG 306 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		SPMT 476 (3)		ELEC BADM (3)
Creative arts:				
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	SPMT 499 (6)		
American history:		COGNATE COURSES:		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
Government/political science:		KIN 337 (3)		
POLS 235 (3)	GOVT 2305	KIN 438 (3)		
POLS 236 (3)	GOVT 2306	KIN 435 (3)		
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301	KIN 437 (3)		
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	MATH 138 (3)		
EDCI 210 (3)	COSC 1301	Approved Elective (3)****		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
BUSINESS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 122**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	EDCI 210 Instructional Technology I	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	MATH 133 College Algebra	3	PSY 131 General Psychology	3	
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3	
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3	
	ENG 2**	3	ECON 231 Principles of Economics I	3	
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 Fine Arts in Daily Living	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ECON 232 Principles of Economics II	3	KIN 337 Movement Skill Development at the Elementary Level	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	KIN 127 Foundations I	3	SPMT 333 Problems in Urban Recreation & Sport	3	
	KIN 233 Foundations II	3	KIN 438 Physiology of Exercise	3	
	SPMT 332 Sports, Ethics and the Law	3	BADM 234 Legal and Regulatory Environment of Business	3	
	Approved Elective	3			
	18 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 435 Tests and Measurements	3	SPMT 399 Sport Management Seminar	2	
	KIN 437 Kinesiology	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3	
	MKTG 306 Principles of Marketing	3	SPMT 499 Sport Management Practicum	6	
	FIN 301 Basic Financial Management	3			
	ELEC BADM	3			
	SPMT 434 Administration of Athletics in Organization	3			
	18 hrs		11hrs		

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
HEALTH STUDIES CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Sport Management)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (Health)
42 credits	EQUIVALENT	53 credits		26 credits
Communication:				
ENG 131 (3) **	ENGL 1301	SPMT 134 (3)		HED 233 (2)
ENG 132 (3)	ENGL 1302	SPMT 135 (3)		HED 333 (3)
Mathematics:				
MATH 133 (3)	MATH 1314	SPMT 279 (3)		HED 340 (3)
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	SPMT 333 (3)		HED 433 (3)
BIOL 135 (3)	BIOL 2301	SPMT 434 (3)		HED 471 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		SPMT 476 (3)		HED ELECTIVE (3)
Creative arts:				
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	SPMT 499 (6)		
American history:		COGNATE COURSES:		
HIST 231 (3)	HIST 1301	KIN 233 (3)		
HIST 232 (3)	HIST 1302	KIN 435 (3)		
Government/political science:		KIN 437 (3)		
POLS 235 (3)	GOVT 2305	KIN 438 (3)		
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301	PLUS		
		MATH 138 (3)		
Institutional Options:		ECON 231 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)****		
EDCI 210 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
HEALTH STUDIES CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	EDCI 210 Instructional Technology I	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	MATH 133 College Algebra	3	PSY 131 General Psychology	3	
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3	
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3	
	ENG 2**	3	ECON 231 Principles of Economics I	3	
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing and Composition I	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HED 233 History & Principles of Health	2	HED 333 Emergency Care of Injuries	3	
	HED 335 Problems in Community Health	3	HED 340 Environmental & Public Health	3	
	HED 432 Fitness for Living	3	HED 471 Personal Health & Safety II	3	
	KIN 233 Foundations II	3	KIN 438 Physiology of Exercise	3	
	SPMT 332 Sports, Ethics and the Law	3	SPMT 333 Problems in Urban Recreation & Sport	3	
	Approved Elective	3			
	17 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HED 433 Personal Health & Safety I	3	SPMT 399 Sport Management Seminar	2	
	HED 477 Human Sexuality	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3	
	HED ELECTIVE	3	SPMT 499 Sport Management Practicum	6	
	KIN 435 Test & Measurements	3			
	KIN 437 Kinesiology	3			
	SPMT 434 Administration of Athletics in Organization	3			
	18 hrs		11hrs		

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
HUMAN PERFORMANCE CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Sport Management)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (Human Performance)
42 credits	EQUIVALENT	59 credits		20 credits
Communication:				
ENG 131 (3) **	ENGL 1301	SPMT 134 (3)		KIN 302 (3)
ENG 132 (3)	ENGL 1302	SPMT 135 (3)		KIN 324 (2)
Mathematics:				
MATH 133 (3)	MATH 1314	SPMT 273 (3)		KIN 327 (2)
Life and physical sciences:				
		SPMT 332 (3)		KIN 338 (3)
BIOL 143 (3)	BIOL 1308	SPMT 333 (3)		KIN 374 (3)
BIOL 135 (3)	BIOL 2301	SPMT 434 (3)		KIN 378 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		SPMT 399 (2)		PE 211 (1)
Creative arts:				
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	SPMT 499 (6)		
American history:		COGNATE COURSES:		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
Government/political science:		KIN 435 (3)		
POLS 235 (3)	GOVT 2305	KIN 437 (3)		
POLS 236 (3)	GOVT 2306	KIN 438 (3)		
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301	PLUS		
		HED 333 (3)		
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	MATH 138 (3)		
EDCI 210 (3)	COSC 1301	ECON 231 (3)		
		Approved Elective (3)****		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
HUMAN PERFORMANCE CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	EDCI 210 Instructional Technology I	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	MATH 133 College Algebra	3	PSY 131 General Psychology	3	
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3	
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3	
	ENG 2**	3	ECON 231 Principles of Economics I	3	
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing and Composition I	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	KIN 127 Foundations I	3	PE 211 Individual/Dual Sports & Activities I	1	
	KIN 233 Foundations II	3	KIN 324 Advanced Swimming	2	
	KIN 302 Physical Fitness of Elementary and Secondary Schools	3	KIN 337 Movement Skill Development at the Elementary Level	3	
	KIN 374 Sociology of Sports	3	KIN 378 Individual Development and Motor Learning	3	
	SPMT 332 Sports, Ethics and the Law	3	KIN 438 Physiology of Exercise	3	
	Approved Elective	3	SPMT 333 Problems in Urban Recreation & Sport	3	
		18 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 327 Advanced Gymnastics	2	SPMT 399 Sport Management Seminar	2	
	KIN 338 Principles and Techniques for Outdoor and Leisure Activities	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3	
	KIN 435 Tests and Measurements	3	SPMT 499 Sport Management Practicum	6	
	KIN 437 Kinesiology	3			
	SPMT 434 Administration of Athletics in Organization	3			
	HED 333 Emergency and Care of Injuries	3			
		17 hrs		11hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
JOURNALISM CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Sport Management)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (Journalism)
42 credits	EQUIVALENT	53 credits		23 credits
Communication:				
ENG 131 (3) **	ENGL 1301	SPMT 134 (3)		JOUR 130 (3)
ENG 132 (3)	ENGL 1302	SPMT 135 (3)		JOUR132 (4)
Mathematics:				
MATH 133 (3)	MATH 1314	SPMT 279 (3)		JOUR 238 (4)
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	SPMT 333 (3)		JOUR ELECTIVE (3)
BIOL 135 (3)	BIOL 2301	SPMT 434 (3)		JOUR ELECTIVE (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		SPMT 476 (3)		
Creative arts:				
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	SPMT 499 (6)		
American history:		COGNATE COURSES:		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
Government/political science:		KIN 435 (3)		
POLS 235 (3)	GOVT 2305	KIN 437 (3)		
POLS 236 (3)	GOVT 2306	KIN 438 (3)		
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301			
		PLUS		
Institutional Options:		MATH 138 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECON 231 (3)		
EDCI 210 (3)	COSC 1301	Approved Elective (3)****		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
JOURNALISM CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	EDCI 210 Instructional Technology I	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	MATH 133 College Algebra	3	PSY 131 General Psychology	3	
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3	
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3	
	ENG 2**	3	ECON 231 Principles of Economics I	3	
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing and Composition I	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	JOUR 130 Introduction to Journalism	3	JOUR 253 News Editing I	3	
	JOUR 132 Introduction to Reporting	4	JOUR ELECTIVE	3	
	KIN 127 Foundations I	3	JOUR ELECTIVE	3	
	KIN 233 Foundations II	3	KIN 438 Physiology of Exercise	3	
	SPMT 332 Sports, Ethics and the Law	3	SPMT 333 Problems in Urban Recreation & Sport	3	
			Approved Elective	3	
	16 hrs		18 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	KIN 435 Tests and Measurements	3	SPMT 399 Sport Management Seminar	2	
	KIN 437 Kinesiology	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3	
	SPMT 434 Administration of Athletics in Organization	3	SPMT 499 Sport Management Practicum	6	
	JOUR 238 Intermediate Reporting	4			
	JOUR ELECTIVE	3			
		16 hrs		11hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
RADIO, TELEVISION & FILM CONCENTRATION
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Sport Management)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (RTF)
42 credits	EQUIVALENT	56 credits		24 credits
Communication:				
ENG 131 (3) **	ENGL 1301	SPMT 134 (3)		RTF 230 (3)
ENG 132 (3)	ENGL 1302	SPMT 135 (3)		RTF231 (4)
Mathematics:				
MATH 133 (3)	MATH 1314	SPMT 279 (3)		RTF 331 (3)
Life and physical sciences:				
		SPMT 332 (3)		RTF 365 or 368 (4)
BIOL 143 (3)	BIOL 1308	SPMT 333 (3)		RTF 375 (4)
BIOL 135 (3)	BIOL 2301	SPMT 434 (3)		ENTR 305 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		SPMT 476 (3)		
Creative arts:				
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	SPMT 499 (6)		
American history:		COGNATE COURSES:		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
Government/political science:		KIN 435 (3)		
POLS 235 (3)	GOVT 2305	KIN 437 (3)		
POLS 236 (3)	GOVT 2306	KIN 438 (3)		
Social and behavioral sciences:				
PSY 131 (3)	PSY 2301	PLUS		
		MATH 138 (3)		
Institutional Options:		ECON 231 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)****		
EDCI 210 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Approved Elective- Upper level electives (300-400)

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT
SPORT MANAGEMENT-RADIO, TELEVISION & FILM
DEGREE PLAN - TOTAL CREDITS: 122**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	EDCI 210 Instructional Technology I	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3	
	MATH 133 College Algebra	3	PSY 131 General Psychology	3	
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3	
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3	
	ENG 2**	3	ECON 231 Principles of Economics I	3	
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing and Composition I	3	
	POLS 235 Federal Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	RTF 230 Introduction to Media Studies	3	ENTR 305 Black Entertainment, Music and Sports	3	
	RTF 231 Introduction to Media Production	4	RTF 331 Media Analyst and Criticism	3	
	KIN 127 Foundations I	3	RTF 344 Media Management and Marketing	3	
	SPMT 332 Sports, Ethics and Law	3	KIN 233 Foundations II	3	
	Approved Elective	3	KIN 438 Physiology of Exercise	3	
			SPMT 333 Problems in Urban Recreation & Sport	3	
	16 hrs		18 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	RTF 365 or RTF 368 Television Studio Production I or Field Video Production I	4	SPMT 399 Sport Management Seminar	2	
	RTF 375 or RTF 378 Introduction to Media Performance or Introduction to Radio Operations	4	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3	
	KIN 435 Test & Measurements	3	SPMT 499 Sport Management Practicum	6	
	KIN 437 Kinesiology	3			
	SPMT 434 Administration of Athletics in Organization	3			
		17 hrs		11hrs	

Texas Southern University
 Department of Health & Kinesiology
 Minor in Health Studies

For a minor in Health Studies, the following courses (21 semester credit hours) are required as indicated below.

Courses:	Hours	Grade	Semester
HED 234	3		
HED 335	3		
HED 340	3		
HED 432	3		
HED 433	3		
HED 471	3		
HED 477	3		

Total Credit Hours = 21

A grade of C or better is required, where as a C- or below is unacceptable in all classes leading to the minor in Human Performance, including the cognate courses.

Students wishing to pursue a minor in Health Studies must petition the Department for admission. All Students who enroll in Human Performance (PE) activity courses must wear a required uniform for activities.

For supporting teacher certification in Health Studies, 24 – semester credit hours are required in the Department through enrollment in the following three-credit courses: HED 234, HED 333, HED 340, HED 432, HED 433, HED 436, HED 471, and HED 477. The cognate courses are BIOL 135 and HED 333 are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7621.

Texas Southern University
 Department of Health & Kinesiology
 Minor in Human Performance

For a minor in Human Performance, the following courses (21 semester credit hours) are required as indicated below.

Courses:	Hours	Grade	Semester
KIN 127	3		
PE 211	1		
PE 212	1		
KIN 235	3		
KIN 302	3		
KIN 324	2		
KIN 327	2		
KIN 336	3		
KIN 437	3		

Total Credit Hours = 21

A grade of C or better is required, where as a C- or below is unacceptable in all classes leading to the minor in Human Performance, including the cognate courses.

Students wishing to pursue a minor in Human Performance must petition the Department for admission. All Students who enroll in Human Performance (PE) activity courses must wear a required uniform for activities.

For supporting teacher certification in Human Performance, 24 – semester credit hours are required in the Department through enrollment in the following three-credit courses: KIN 127, KIN 233, KIN 337, KIN 338, KIN 339, KIN 378, KIN 437 and one upper level KIN course. The cognate courses are BIOL 135 and HED 333 are also required.

In summary, students must gain admission to the University, must meet THEA responsibility if the student plans to pursue a teaching certificate must petition the Department for admission, and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department office at (713) 313-7621.

**Texas Southern University
Department of Health & Kinesiology
Minor in Sport Management**

For a minor in Human Performance, the following courses (21 semester credit hours) are required as indicated below.

Courses:	Hours	Grade	Semester
SPMT 134	3		
SPMT 135	3		
SPMT 273	3		
SPMT 279	3		
SPMT 332	3		
SPMT 333	3		
SPMT 434 or 476	3		

Total Credit Hours = 21

A grade of C or better is required, where as a C- or below is unacceptable in all classes leading to the minor in Human Performance, including the cognate courses.



COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

OVERVIEW

The College of Liberal Arts and Behavioral Sciences is the largest and most diversified instructional unit at Texas Southern University. The College offers twelve (12) undergraduate or baccalaureate degrees and five (5) graduate degrees through nine (9) departments, housed in different locations on the main campus. Students are referred to the sections below for information concerning the departments. Students should also refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of the five graduate degrees. A summary of the degrees and departments appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
English	Bachelor of Arts in English	Master of Arts in English
Foreign Languages	Bachelor of Arts in Spanish	
History and Geography	Bachelor of Arts in History	Master of Arts in History
	Bachelor of Arts in General Studies	
Human Services and Consumer Sciences	Bachelor of Science in Dietetics	
	Bachelor of Science in Human Services and Consumer Sciences	Master of Science in Human Services and Consumer Sciences
Music	Bachelor of Arts in Music	
Psychology	Bachelor of Arts in Psychology	Master of Arts in Psychology
Social Work	Bachelor of Arts in Social Work	
Sociology	Bachelor of Arts in Sociology	Master of Arts in Sociology
Visual and Performing Arts	Bachelor of Arts in Art	
	Bachelor of Arts in Theatre	

In addition to the majors offered by the departments, students may elect to select a discipline specific minor or an interdisciplinary minor within the College. Interdisciplinary minors are offered in African Studies, Women's Studies, and African American Studies.

The organization of the College is patterned on a conventional model of Dean and faculty chairs as programmatic supervisors. The Associate Dean is charged with administrative matters related to student affairs and acts on the Dean's behalf in certain matters. The Office of the Dean is located in Room 315 of Barbara Jordan/Mickey Leland Building and may be contacted by calling (713)313-4287.

MISSION STATEMENT

The mission of the College of Liberal Arts and Behavioral Sciences is to educate every individual to live knowledgeably, responsibly, and humanely. In an effort to have highly employable graduates, the College seeks to provide the knowledge and understanding necessary for its majors to perform successfully in their specific disciplines, as well as in education, mass communications, politics, the international areas, and the performing arts. Thus, the goals of the College are:

1. To prepare students to demonstrate oral and written communications.
2. To prepare students to think and read critically and analytically.
3. To prepare students to obtain employment or admission to graduate and professional schools.
4. To prepare competent professionals and leaders capable of providing solutions to the problems in the urban environ of the nation and the world.
5. To expose students to a variety of literary and cultural experiences.

These goals are attendant to the mission which is ordered so as to accomplish the general educational aims of the University, while providing specialized training in selective areas of knowledge. Of special note is the fact that most of the Undergraduate Core Curriculum courses required for the conferral of the various undergraduate degrees at Texas Souther University are offered through the departments in the College of Liberal Arts and Behavioral Sciences.

Students (either new or transfer) who wish to enroll in one of the programs of study leading to undergraduate degrees offered through the College of Liberal Arts and Behavioral Sciences must first gain admission to Texas Southern University through adherence to the policies and procedures established by the Office of Admissions. In order to obtain accurate advisement regarding the Students are strongly encouraged to contact the department of their intended major at the time of admission to the university. The departmental offices provide advisement upon request to declare majors as well as students who are trying to fulfill prerequisites that must be met in order to declare majors or minors. In either case, students should consult the respective department section of this document for detailed information.

Once admitted or while applying for admission, students who need financial aid or assistance should contact the Office of Financial Aid at the University. Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Liberal Arts and Behavioral Sciences are required to follow the sequence of courses outlined in their respective degree plans.
2. Students pursuing undergraduate degrees in the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.

GOOD ACADEMIC STANDING

To remain in good academic standing in the College, students must meet the requirements for good academic standing and are subject to the probationary and suspension policies set by the University as referenced under the Academic Regulations described in this document.

Students pursuing majors and/or minors through the various departments in the College of Liberal Arts and Behavioral Sciences are strongly cautioned that many of the curricula of study offered have specific GPA and grade requirements that exceed the overall good academic standing policy of the University. Students enrolled in such programs must also meet these requirements in order to remain in good standing as designated majors and minors.

STUDENT ORGANIZATIONS AND PERFORMING GROUPS

Various student organizations operate in the College and are housed in the nine member departments. Students should contact the respective departments if they are interested in these organizations. In addition, a number of ensemble groups perform under the guidance of the Department of Music. Students interested in participating in student organizations and performing groups should contact the respective department for further information.

ACCREDITATION

All programs in the College of Liberal Arts and Behavioral Sciences are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Bachelor of Arts (B.A.) Degree in Social Work is accredited by the Council on Social Work Education, and the Bachelor of Science (B.S.) in Dietetics is accredited by the American Dietetic Association.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement during the time that students are enrolled. Courses are also subject to change.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The nine departments in the College of Liberal Arts and Behavioral Sciences are described in detail on the pages that follow in the order referenced in the chart at the beginning of this section.

DEPARTMENT OF ENGLISH

The mission of the Department of English is to teach literature and language arts at the core curriculum level for all undergraduates and at the baccalaureate level for majors and minors. Through its courses and programs, the Department of English aims to equip students to succeed in academic endeavors in college as well as in graduate and professional schools and to prepare them to assume responsible roles in society.

The Department of English offers courses leading towards two degrees one undergraduate and one graduate: the **Bachelor of Arts (B.A.) Degree in English**, with two concentrations, Non-Teaching-Concentration I, and Teaching-Concentration II, and the **Master of Arts (M.A.) Degree in English**.

Students interested in the Master of Arts Degree Program in English should consult the Graduate School Catalog for information.

In selecting English as a major or a minor, students must formally register in the Department of English and must seek requisite guidance from departmental advisors. **English majors or minors must have minimum GPAs of 2.50 in English and must have grades of “C” or better in all English courses completed at the time their petitions are made.** For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 120 semester hours for the B.A. Degree in English.

Students majoring in the English Concentration I (non-teaching) are required to declare minors in a second academic discipline. Students majoring in the English Concentration II option (teaching certification) must take 21 hours of Education Courses in EDCI, including student teaching and six hours of required reading courses, in lieu of a minor.

Grades of “C” or better are required in all courses dedicated to either the major or the minor program. No course offered through the Department can be used to satisfy both a core curriculum requirement and a major requirement for graduation. To be eligible for graduation as English majors, students must follow a program of specific course requirements as well as successfully complete an exit examination.

Course requirements for the major and minor programs are summarized as follows:

- 1. For the major in English, Non-Teaching Concentration I**, 120 semester hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303, ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, and ENG 440 or ENG 441.
- 2. For the major in English, Teaching Concentration II**, 120 semester hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 320), ENG 301, ENG 302, ENG 303 or 304, ENG 338, ENG 430, ENG 432, ENG 433, ENG 440, and ENG 440 or ENG 441. Individuals interested in seeking certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.
- 3. For the minor in English**, 21 semester credit hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301 or ENG 302, ENG 303 or ENG 304, ENG 338, ENG 430, ENG 432, and ENG 440 or 441.

The offices of the Department of English are located in the Martin Luther King Center, Room 106. Questions may be directed to the Department Office at 713-313-7214.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Brooks de Vita, Alexis Professor B.A., University of Vermont M.A., Ph.D., University of Colorado-Boulder brooksdevitaa@tsu.edu 713-313-7214 MLK 142</p>	<p>Samples, Ronald C. Associate Professor B.A., Texas Southern University M.A., Ph.D., Rice University samples_rc@tsu.edu 713-313-7218 MLK 143</p>
<p>Beller, Martin Assistant Professor B.A., C.W. Post College of Long Island University M.A., Ph.D., The Ohio State University beller@tsu.edu 713-313-7616 MLK 169</p>	<p>Sollars, Michael D. Associate Professor B.A., University of Missouri, Columbia M.A., Ph.D., University of Missouri, Kansas City sollars_md@tsu.edu 713-313-7654 MLK 165</p>
<p>Evans, Charlene T. Professor B.A. University of Texas at Austin M.A. Atlanta University M.A., Ph.D. Rice University evans_ct@tsu.edu (713) 313-7094 MLK 146</p>	<p>Lancaster, Iris Assistant Professor B.A., Texas Southern University M.A., Texas Southern University Ph.D., Texas A & M – Commerce lancasterim@tsu.edu 713-313-7653 MLK 153</p>
<p>Hughey, Albertina Associate Professor M.A., University of Florida Ph.D., University of Cincinnati hughey@tsu.edu 713-313-1359 MLK</p>	<p>Turner, Billy Joe Assistant Professor B.A., Texas Southern University M.A., University of Virginia turner_bj@tsu.edu 713-313-7659 MLK 162</p>
<p>Jennings, Arbolina L. Assistant Professor B.A., Notre Dame College (Ohio) M.A., New York University jennings_al@tsu.edu 713-313-7661 MLK 152</p>	<p>Zeitler, Michael A. Associate Professor B.A. University of California, Santa Cruz M.A., Ph.D., Johns Hopkins University Zeitlerma@tsu.edu 713-313-7413 MLK 147</p>
<p>Kilgore-Kimble, Donna Instructor B.A., Huston-Tillotson College M.A., Texas Southern University kimble_dk@tsu.edu 713-313-7536 MLK 168</p>	<p>Emily Allen-Williams Department Chair Director of English Graduate Studies Professor M.A., Virginia Commonwealth University D.A.H., Clark Atlanta University williamsea@tsu.edu 713-313-7916 MLK 106-107</p>
<p>Moore, Shirley W. Professor B.A., M.A., Texas Southern University M.A., Ph.D., Rice University moore_sw@tsu.edu 713- 313-7652 MLK 141</p>	

DEVELOPMENTAL ENGLISH COURSES

- ENG 130** **Integrated Reading and Writing** (3)
A course in basic reading and writing skills that concentrates on grammar, sentence structure, paragraph and essay development. Exemption by satisfactory score on the Texas Higher Education Assessment (THEA) or TSI Examination. Three hours of lecture and one hour of laboratory per week. Listed as ENGL 0300 in the Texas Common Course Numbering System.

ENGLISH COURSES

- ENG 131** **Freshman English I** (3)
Intensive study of and practice in writing processes--from invention/research to drafting, revising, and editing texts, both individually and collaboratively. Emphasizes effective rhetorical choices based on an awareness of audience, writing purpose, structural arrangement, and style. Focuses on the close reading of verbal, visual, and multimedia texts and on writing the academic essay as a vehicle for learning, communicating, and analyzing texts critically. Three hours of lecture per week. **Listed as ENGL 1301 in the Texas Common Course Numbering System.**
- ENG 132** **Freshman English II** (3)
Intensive study of and practice in strategies and techniques for developing research-based expository and persuasive texts. Emphasizes effective and ethical rhetorical inquiry of primary and secondary sources. Focuses on the critical reading of verbal, visual, and multimedia texts; the systematic evaluation, synthesis, and documentation of information sources; and the critical consideration of evidence and conclusions. Three hours of lecture per week. Prerequisite: ENG 131 or its equivalent. **Listed as ENGL 1302 in the Texas Common Course Numbering System.**
- ENG 230:** **World Literature I** (3)
A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132. **Listed as ENGL 2332 in the Texas Common Course Numbering System.**
- ENG 231** **World Literature II** (3)
A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Three hours of lecture per week. Prerequisites: English 131 and English 132. **Listed as ENGL 2333 in the Texas Common Course Numbering System.**
- ENG 235** **American Literature** (3)
A survey of American literature from the period of exploration and settlement to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Three hours of lecture per week. Prerequisites: ENG 131 and 132. **Listed as ENGL 2326 in the Texas Common Course Numbering System.**
- ENG 244** **African American Literature** (3)
A survey of African American literature with emphasis on major authors and movements. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected for what they reflect and reveal about the African American experience. Prerequisites: ENG 131 and 132. Listed as ENGL 2326 in the Texas Common Course Numbering System.
- ENG 301** **Great American Writers I** (3)
Survey of major works of American literature from pre-colonial to 1865. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.

ENG 302	Great American Writers II Survey of major works of American literature from 1865 to the present. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses and ENG 302 – Great American Writers I.	(3)
ENG 303	Great British Writers I Survey of major works of British literature from its beginnings through the eighteenth century. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 304	Great British Writers II Survey of major works of British literature from the nineteenth century to the present. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses and ENG 303 – Great British Writers I.	(3)
ENG 305	Mythology in Literature Study of classical and other myths, legends, and folktales, with emphasis on original works and mythology in literature. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 320	Introduction to Creative Writing Creative writing workshop in which students study the intricacies of literary terminology, techniques, genres, and mechanics in various works of fiction and poetry. Three hours of lecture per week. Prerequisites: Completion of all required 200-level ENG courses.	(3)
ENG 336	The Novel Study of the novel as a genre and of its various forms from the picaresque to the contemporary novel. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 338	Advanced Composition Practice in the use and analysis of rhetorical techniques as exemplified in selected prose models. Three hours of lecture per week. Students will be encouraged to develop facility with both formal and informal discourse and will write criticism, factual reports, commentary, autobiography, and various other forms. This course is required for all English majors and minors. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 339	Women's Literature A study of the distinctly female tradition in literature, by examining the style and content of women's fiction, poetry, drama, and non-fiction. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 341	Literature and Film A study of the relationships between the two media, literature and film, by exploring works linked by genre, topic, and style. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 342	Chinese Literature A study of Chinese fiction, poetry, and historical writing in English translation. Students may enrich their readings with selected media and film. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 343	African Literature A study of the literature of Africa and of the works of African writers, in English translation. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.	(3)
ENG 347	Workshop in Creative Writing A creative writing workshop course in poetry and fiction. Offered during the summer session. Prerequisite: Completion of all required 200-level ENG courses.	(3)

- ENG 439** **The Teaching of English** **(3)**
The study and application of philosophies, objectives, methods, and materials used in teaching English at the secondary level. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 440** **African American Literature: Poetry and Drama** **(3)**
Study of selected poetry and drama written by African-American authors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 441** **African American Literature: Fiction and Criticism** **(3)**
Study of fiction and criticism written by African-American authors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 450** **Independent Reading and Research in Modernist Literature** **(3)**
Reading and research in modernist literature, for advanced English majors and minors. Prerequisites: Senior standing as an English major or minor and consent of both the Faculty Chair and the instructor

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN ENGLISH
Non-Teaching Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	42 credits	15 credits	21 credits
Communication:		ENG 231 (3)	Foreign Languages (12)	Contact department of choice for advisement
ENG 131 (3) **	ENGL 1301	ENG 302 (3)	Elective Courses (3)	on minor courses
ENG 132 (3)	ENGL 1302	ENG 303 (3)		after being advised
Mathematics:		ENG 304 (3)		for courses in the major
MATH 133 (3)	MATH 1314	ENG 338 (3)		
Life and physical sciences:		ENG 430 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 432 (3)		
PHYS 101 (3) or GEOL 141 (3)	PHYS 1301 or GEOL 1303	ENG 433 (3)		
Language, philosophy, and culture:		ENG 440 or 441 (3)		
ENG 230 (3)	ENG 2332			
Creative arts:		Plus		
MUSIC 131 or MUSI 239 (3) or ART 135 (3)	MUSI 1301 or HUMA 1301 or ARTS 1301	(15) additional upper level ENG credits approved by faculty advisor		
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 (3) or SOC 157 (3) or SOC 158 or SOC 221 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306 or SOCI 2306			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1300			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF ARTS DEGREE IN ENGLISH
NON-TEACHING CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	SPAN 131 Elementary Spanish I or FR 131 Elementary French II	3	SPAN 132 Elementary Spanish II or FR 132 Elementary French II	3	
	SC 135 Business Professional Communication or 136 Public Address	3	MATH 133 College Algebra	3	
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. to 1877	3	
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	PHYS 101 Principles of Physical Science GEOL 141 Intro to the Earth	3	
	15 hrs		15 hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 230 World Literature I	3	ENG 231 World Literature II	3	
	SPAN 231 Intermediate Spanish or FR 231 Intermediate French I	3	SPAN 232 Intermediate Spanish II or FR 232 Intermediate French II	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
	PSY 131 General Psychology or SOC 157 Introduction to Sociology or SOC 158 Contemporary Social Issues or SOC 221 Sociology of Human Sexuality	3	MUSI 131 or MUSI 239 or ART 135	3	
	Elective	3	CS 116 Computer Science I	3	
	15 hrs		15 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ENG 338 Advanced Composition	3	ENG 440 or 441 African American Literature	3	
	ENG 3XX or 4XX Elective	3	ENG 302 Great American Writers II	3	
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3	
	ENG 430 History and Theory of Language	3	Minor	3	
	ENG 3XX or 4XX Elective	3	Minor	3	
	15 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ENG 3XX or 4XX Elective	3	ENG 432 English Capstone	3	
	ENG 433 Shakespeare & Renaissance Studies	3	ENG 3XX or 4XX Elective	3	
	Minor	3	ENG 3XX or 4XX Elective	3	
	Minor	3	Minor	3	
	Minor	3	Minor	3	
	15 hrs		15 hrs		

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN ENGLISH
Teaching Certification Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (ENGLISH)	OTHER REQUIREMENTS	CONCENTRATION
42 credits		36 credits	18 credits	24 credits
Communication:			Foreign Languages (12)	EDCI 310 (3)
ENG 131 (3) **	ENGL 1301	ENG 231 (3) ENG 301 (3) ENG 302 (3)	EDCI 350 (3)	EDCI 328 (3)
ENG 132 (3)	ENGL 1302	ENG 303 (3)	GEOG 132 (3)	EDCI 339 (3)
Mathematics:		ENG 304 (3)		EDCI 340 (3)
MATH 133 (3)	MATH 1314	ENG 338 (3)		EDCI 464 (6)
Life and physical sciences:		ENG 430 (3)		RDG 400 (3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 432 (3)		RDG 402 (3)
PHYS 101 (3) or GEOL 141 (3)	PHYS 1301 or GEOL 1303	ENG 433 (3)		
		ENG 437 (3)		
		ENG 439 (3)		
		ENG 440 or 441 (3)		
Language, philosophy, and culture:				
ENG 230 (3) ***	ENG 2332			
Creative arts:				
MUSIC 131 or MUSI 239 (3) or ART 135 (3)	MUSI 1301 or ARTS 1316 or HUMA 1301 or ARTS 1301			
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 (3) or SOC 157 (3) or SOC 158 or SOC 221 (3)	PSYC 2301 or SOC 1301 or SOC 1306 or SOC 2306			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1300			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

**BACHELOR OF ARTS DEGREE IN ENGLISH
TEACHING CERTIFICATION CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	SPAN 131 Elementary Spanish I or FR 131 Elementary French II	3	SPAN 132 Elementary Spanish II or FR 132 Elementary French II	3	
	SC 135 Business Professional Communication or 136 Public Address	3	MATH 133 College Algebra	3	
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. to 1877	3	
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	PHYS 101 Principles of Physical Science GEOL 141 Intro to the Earth	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 230 World Literature I	3	ENG 231 World Literature II	3	
	SPAN 231 Intermediate Spanish I or FR 231 Intermediate French I	3	SPAN 232 Intermediate Spanish II or FR 232 Intermediate French II	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
	PSY 131 General Psychology or SOC 157 Introduction to Sociology or SOC 158 Contemporary Social Issues or SOC 221 Sociology of Human Sexuality	3	MUSI 131 or MUSI 239 or ART 135	3	
	GEOG 132 World Geography	3	CS 116 Computer Science	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ENG 338 Advanced Composition	3	ENG 440 or 441 African American Literature	3	
	ENG 301 Great American Writers I	3	ENG 302 Great American Writers II	3	
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3	
	ENG 430 History and Theory of Language	3	EDCI 310 Principles of Foundation of Education	3	
	ENG 437 Principles of Literary Criticism	3	EDCI 339 Classroom Management	3	
	ENG 439 The Teaching of English	3	ENG 433 Shakespeare & Renaissance Studies	3	
	18 hrs		18 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ENG 432 English Capstone	3	EDCI 464 Directed Student Teaching in High School	6	
	RDG 400 Content Area Reading	3	EDCI 340 Instructional Technology II	3	
	RDG 402 Informal Diagnosis	3			
	EDCI 328 Psychology of Learning Growth and Development	3			
	EDCI 350 Instructional Strategies	3			
		15 hrs		9 hrs	

DEPARTMENT OF FOREIGN LANGUAGES

The mission of the Department of Foreign Languages is to provide education in foreign languages and studies in global culture and literature. Through its courses and programs the Department will prepare students with professional fluency in language, communicative skills, knowledge of history, society and culture of the world, capability of language instruction, and will develop students' skills in critical thinking and analysis in literature and culture. The Department is dedicated to support the students for success in career and life in the global community.

The Department of Foreign Languages offers courses leading towards the **Bachelor of Arts (B.A.) Degree in Spanish**, and **minors in French and Spanish**. The Department also offers the following Chinese courses in foreign language education: CHNS 131, CHNS 132, CHNS 231, CHNS 232.

In selecting major in Spanish or minor in French or Spanish, student must register in the Department of Foreign Languages and seek advisement from departmental advisors. For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 120 semester hours for the B.A. Degree in Spanish. Students majoring in Spanish are required to declare a minor. **Grades "C" or better are required in all courses dedicated to either the major or the minor requirements.**

To be eligible for graduation as French minor or Spanish major or minor, students must follow a program of specific course requirements. Course requirements for the major and minor programs are summarized as follows:

- 1. For the major in Spanish, 120 semester hours are required.** Students must take a total of thirteen (13) three-credit courses. Students must take sequentially: SPAN 131, SPAN 132, SPAN 231, and SPAN 232. After taking SPAN 331 and SPAN 332, they will have to take six more courses from the following list: SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 441, SPAN 444. All Spanish majors are required to take SPAN 445.
- 2. For the minor in French, 21 semester credit hours are required,** including the following three-credit courses: FR 231, FR 232, FR 331, FR 335, FR 347, FR 432, FR 438, and FR 439.
- 3. For the minor in Spanish, 21 semester hours are required** beyond SPAN 131, including at least 12 hours at the 300 or 400 level from the following courses: SPAN 331, SPAN 332, SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 441, SPAN 444, and SPAN 445.

The Department of Foreign Languages is located on the third floor of Martin Luther King Center with the Department Main Office located in Room 301. Questions may be directed to the Department Office at (713)-313-7916, or e-mail at languages@tsu.edu.

Department website: http://www.tsu.edu/academics/colleges_schools/colabs/foreign-languages/

LISTING OF FACULTY IN THE DEPARTMENT

<p>Boles, Miryan Visiting Instructor B.A., Central University, Quito Ecuador M.A., Universidad de Salamanca, Spain bolesmi@tsu.edu 713-313-7615 MLK 315</p>	<p>Garcia, Maria Carmen Associate Professor B.A., M.A., University of Texas at Brownsville Ph.D., University of Houston garcia_mc@tsu.edu 713-313-7064 MLK 300</p>
<p>Casals, Alicia Visiting Instructor B.A., Instituto Magisterial de Tienta y Tres, Uruguay M.A., University of Houston casalsa@tsu.edu 713-313-7612 MLK 308</p>	<p>Gonzales, Antonio Visiting Instructor B.A., University of Maryland M.A., University of Tennessee J.D., Miles College School of Law gonzaleza@tsu.edu 713-313-1335 MLK 315</p>
<p>Caussin, Marylise Associate Professor B.A., M.A., La Sorbonne, Paris Ph.D., University of Louisiana at Lafayette caussinm@tsu.edu 713-313-7650 MLK 306</p>	<p>Sun, Haiqing Associate Professor, Interim Chair B.A., M.A., Peking University, Beijing Ph.D., University of Southern California sunh@tsu.edu 713-313-7022 MLK 314</p>
<p>Diaz, Viviana Lab Instrucor B.A., La Universidad de Colombia M.A., Rice University diazv@tsu.edu 713-313-1324</p>	

(Note: Adjunct Faculty will be listed in the department website under the College of Liberal Arts and Behavioral Sciences.)

CHINESE COURSES

CHNS 131	Elementary Chinese I (3) Fundamentals of Chinese pronunciation and grammar along with basic development of listening/speaking and reading/writing skills. Three hours of lecture per week.
CHNS 132	Elementary Chinese II (3) Continuation of CHNS 131. Fundamentals of Chinese pronunciation and grammar along with development of listening/speaking and reading/writing skills Three hours of lecture per week. Prerequisite: CHNS 131.
CHNS 231	Intermediate Chinese I (3) Application of grammar, elementary composition, media-aided listening and reading proficiency; focused development of writing and oral skills with a study and analysis of culture. Three hours of lecture and one hour of laboratory per week. Prerequisites: CHNS 131 and CHNS 132 or the equivalent.
CHNS 232	Intermediate Chinese II (3) Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of writing and communicative skills with a study and analysis of culture. Three hours of lecture and one hour of laboratory per week. Prerequisite: CHNS 231.

FRENCH COURSES

FR 131	Elementary French I (3) Fundamentals of French pronunciation and grammar with drills in spoken and written French. Three hours of lecture per week. Listed as FREN 1311 in the Texas Common Course Numbering System.
FR 141	Elementary Business French I (3) Fundamental language skills with emphasis on introduction to business French in order to set up base for further comprehension, speaking, reading, and writing. Focus on correct habits of pronunciation and oral presentation emphasizing on the vocabulary, cultural knowledge, and linguistic tools that a student needs in order to work and succeed in an international French-speaking environment. Preparation of the DFP Affaires (Business French Certificate), level A2 or B1 (Elementary / Intermediate) granted by the Paris International Chamber of Commerce (CCIP). Three hours of lecture per week. Practical alternative to FR 131 (Elementary French I).
FR 132	Elementary French II (3) Continuation of FR 131. Three hours of lecture per week. Prerequisite: FR 131. Listed as FREN 1312 in the Texas Common Course Numbering System.
FR 142	Elementary Business French II (3) Continuation of FR 141. Pre-requisite: FR 141. Students will have the option to take the DFP Affaires A2 or B1 upon completion of the FR 142 course. Practical alternative to FR 132. (Elementary French II). Three hours of lecture per week.
FR 231	Intermediate French I (3) Review of French pronunciation and grammar using a reader and more advanced classroom and laboratory materials. Two hours of lecture and one hour of laboratory per week. Prerequisite: FR 132. Listed as FREN 2311 in the Texas Common Course Numbering System.
FR 241	Intermediate Business French I (3) Strengthening of the language skills acquired in Elementary French I and II or in Elementary Business French I and II to give way to active communications in a French business-oriented context. This course will particularly focus on providing practice in the 4 language skills: speaking, listening, reading and writing. Emphasis will be placed on the vocabulary, cultural knowledge, and linguistic skills and tools that a student needs in order to work and succeed in an international French-speaking environment. Preparation of the DFP Affaires (Business French Certificate), level B2 or C1 (Intermediate / Alternative to FR 231 (Intermediate French I). Three hours of lecture per week. Prerequisites: FR 141 and FR 142 or FR 131 and FR 132.

- FR 232 Intermediate French II (3)**
Continuation of FR 231. Two hours of lecture and one hour of laboratory per week. Prerequisite: FR 231. **Listed as FREN 2312 in the Texas Common Course Numbering System.**
- FR 242 Intermediate Business French II (3)**
Continuation of French 241. Students will have the option to take the DFP Affaires B2 or C1 upon completion of the FR 242 course. Practical alternative to FR 232. (Elementary French II). Three hours of lecture per week. Pre-requisite: FR 241.
- FR 331 French Review of Grammar and Composition (3)**
Review of French grammar with emphasis on the more difficult structures and idioms. Concurrent practice in conversation and diction provided. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or FR 241 or FR 242 or consent of the instructor.
- FR 335 Scientific French (3)**
Individualized readings in the physical, natural, and social sciences to familiarize students with the specialized vocabulary of their field in translating from French to English. Graduate students may substitute the passing of this course with a grade of "B" or better for the graduate foreign language reading examination. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 347 Contemporary France I (3)**
Study of French institutions and movements since the beginning of the twentieth century, including transportation, politics, education, geography, industrialization, social classes, world wars, and fine arts. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 432 Business French (3)**
Designed to present specialized vocabulary, methods, and techniques pertaining to how to conduct French business, to enable students to prepare business documents and letters. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 438 Directed Study (3)**
Study of a single topic, particular work, or author under the direction of a faculty member. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.
- FR 439 French Influence in Africa (3)**
Study of the importance of the French presence in French-speaking African countries utilizing critical and analytical approaches that will allow students to acquire an understanding of the language and culture of contemporary French Africa. Three hours of lecture per week. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.

SPANISH COURSES

- SPAN 131 Elementary Spanish I (3)**
Fundamentals of Spanish pronunciation and grammar along with intensive listening/speaking and reading/writing skills development. Three hours of lecture per week. **Listed as SPAN 1311 in the Texas Common Course Numbering System.**
- SPAN 132 Elementary Spanish II (3)**
Continuation of SPAN 131. Three hours of lecture per week. Prerequisite: SPAN 131. **Listed as SPAN 1312 in the Texas Common Course Numbering System.**

SPAN 231	<p>Intermediate Spanish I (3)</p> <p>Application of grammar; elementary composition; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisites: SPAN 131 and SPAN 132 or the equivalent. Listed as SPAN 2311 in the Texas Common Course Numbering System.</p>
SPAN 232	<p>Intermediate Spanish II (3)</p> <p>Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisite: SPAN 231. Listed as SPAN 2312 in the Texas Common Course Numbering System.</p>
SPAN 305	<p>Study of Hispanic Film (3)</p> <p>Provision of critical examination of films by representing directors in the Hispanic world, focusing on presentation of Hispanic culture, history and society through the lens of cinema. Elective course. Prerequisite: SPAN 231.</p>
SPAN 331	<p>Review of Grammar and Composition (3)</p> <p>Provision of intensive training in reading comprehension, grammar, and writing. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.</p>
SPAN 332	<p>Conversation and Diction (3)</p> <p>Communication practice designed to develop a superior level of oral proficiency. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.</p>
SPAN 333	<p>Introduction to Spanish Literature I (3)</p> <p>Survey of representative works of Spanish literature from the Middle Ages through the Golden Age. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 334	<p>Introduction to Spanish Literature II (3)</p> <p>Survey of major works of Spanish literature from the Neoclassical period to the present. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 335	<p>Introduction to Latin American Literature I (3)</p> <p>Survey of major works of Latin American writers from colonial times to the beginning of the Mexican Revolution. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 336	<p>Introduction to Latin American Literature II (3)</p> <p>Survey of major works of Latin American writers of the 20th century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 438	<p>Masterpieces of Hispanic Theatre (3)</p> <p>Study of selected dramas in modern theatre, focusing on the masterpieces of the twentieth century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 441	<p>Hispanic Culture and Civilization (3)</p> <p>Survey of the culture and the civilization of the Hispanic world from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 444	<p>Masterpieces of Hispanic Literature (3)</p> <p>Study of representative works from the Spanish-speaking nations and communities within the United States. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.</p>
SPAN 445	<p>Directed Study (3)</p> <p>Research of a special topic in Hispanic study, or particular works or authors, under the direction of a faculty advisor. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisite: Senior standing as a Spanish major or minor and consent of both the Faculty Chair and instructor.</p>

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN SPANISH
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (SPANISH)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	39 credits	18 credits ^*	21 credits ^**
Communication:		SPAN 131 (3)****	ENG 231 or higher (3)	Contact department of of choice
ENG 131 (3) **	ENGL 1301	SPAN 132 (3)***	Elective (3)	for advisement
ENG 132 (3)	ENGL 1302	SPAN 231 (3)	FR 131 (3)	on minor course
Mathematics:		SPAN 232 (3)	FR 132 (3)	after being advised
MATH 132 (3) or MATH 133 (3) or MATH 135 (3) or MATH 136	MATH 1332 or MATH 1314 or MATH 1324 or MATH 2312	SPAN 331 (3)	College Electives (6)	in the major.
Life and physical sciences:		SPAN 332 (3)		
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311or BIOL 1308	6 of the following 8:		
PHYS 237 (3)	PHYS 1301			
Language, philosophy, and culture:			SPAN 305 (3)	
ENG 230 (3)	ENG2301	SPAN 333 (3)		
Creative arts:		SPAN 334 (3)		
Approved Core (3)***	MUSI 1301 or ARTS 1316	SPAN 335 (3)		
American history:		SPAN 336 (3)		
HIST 231 (3)	HIST 1301	SPAN 441 (3)		
HIST 232 (3)	HIST 1302	SPAN 438 (3)		
Government/political science:		SPAN 444 (3)		
POLS 235 (3)	GOVT 2305	Plus SPAN 445 (3)		
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
SOC 157 (3) or PSY 131 (3) or GEOG 132 (3)	SOCI 1301 PSYC 2301 GEO1303			
Institutional Options:				
SC 135 (3) or CHNS 131 (3)	SPCH 1321 or CHNS 1301			
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit.

** (N) represents the number of course credits.

***MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (TCCNS: MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310 or HUMA 2323)

**** These courses may be replaced by an approved substitute at the time of advisement either by the major advisor or by the Faculty Chair.

^* In "Other Requirements" the credits for College Electives may be fulfilled by (6) credits from any discipline in the College of Liberal Arts & Behavioral Sciences.

^** "Other Requirements" and Minor are not required for Spanish in Double Major / Dual Degree.

**BACHELOR OF ARTS DEGREE IN SPANISH
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	SPAN 131 Elementary Spanish I	3	SPAN 132 Elementary Spanish II	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States since 1877	3
	MATH 132 Math for Liberal Arts I or MATH 133 College Algebra or MATH 135 Math for Bus & Econ Analysis or MATH 136 Precalculus	3	MUSI 131 Introduction to Music or MUSI 136 Music Appreciation or MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre or ART 135 Topics in Contemp Art & Culture or ART 137 Intro to African Art	3
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	PHYS 101 Principles of Physical Science GEOL 141 Intro to the Earth	3
	15hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	SPAN 231 Intermediate Spanish I	3	SPAN 232 Intermediate Spanish II	3
	ENG 230 World Literature I	3	POLS 236 Texas Government	3
	PSY 131 General Psychology or SOC 157 Introduction to Sociology or GEOG 132 World Regional Geography	3	CS 116 Intro Computer Science I	3
	SC 135 Business and Professional Communication or CHNS 131 Elementary Chinese	3	*College Elective	3
	POLS 235 American Government	3	Minor	3
	15 hrs		15 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	SPAN 331 Review of Grammar and Composition	3	SPAN 332 Conversation and Diction	3
	SPAN Elective	3	FR 132 Elementary French II	3
	FR 131 Elementary French I	3	Minor	3
	College Elective	3	ENG 231 or higher	3
	Minor	3	General Elective	3
	15 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	SPAN Elective	3	SPAN Elective	3
	SPAN Elective	3	SPAN Elective	3
	SPAN Elective	3	SPAN 445 Directed Study	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	15 hrs		15 hrs	

MINOR PROGRAM

For the minor in French

21 semester credit hours are required beyond FR 131 and FR 132. Students may select from the following three-credit courses: FR 231, FR 232, FR 331, FR 335, FR 347, FR 432, FR 438, and FR 439.

MINOR IN FRENCH (21 credits)
FR 131 (3)*
FR 132 (3)*
Take 7 courses from the following
FR 231 (3)
FR 232 (3)
FR 331 (3)
FR 335 (3)
FR 347 (3)
FR 432 (3)
FR 438 (3)
FR 439 (3)

*Prerequisite, can be substituted by test for credits

For the minor in Spanish

21 semester hours are required beyond SPAN131, including at least 12 hours at the 300 or 400 level from the following courses: SPAN 132, SPAN 231, SPAN 232, SPAN 331, SPAN332, SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN441, SPAN444, SPAN445.

MINOR IN SPANISH (21 credits)
21 credits beyond Span131 including at least 12 credits from the advanced courses--300 or 400 level courses
SPAN 132 (3)
SPAN 231 (3)
SPAN 232 (3)
SPAN 331 (3)
SPAN 332 (3)
Take 2 courses from the following
SPAN 333 (3)
SPAN 334 (3)
SPAN 335 (3)
SPAN 336 (3)
SPAN 438 (3)
SPAN 441 (3)
SPAN 444 (3)
SPAN 445 (3)

DEPARTMENT OF HISTORY AND GEOGRAPHY

The Department of History and Geography is primarily responsible for the instruction of courses in History (HIST) and Geography (GEOG). In addition to course offerings in these disciplines, two undergraduate degrees, **the Bachelor of Arts (B.A.) in History, the Bachelor of Arts (B.A.) in General Studies, and one graduate degree, the Master of Arts (M.A.) in History**, may be earned through this instructional unit. Minors are available in History, Geography, African Studies, African American Studies, and Women's Studies for students majoring in a discipline that requires the declaration of a minor. Members of the Department are housed on the third floor of the Public Affairs Building with the Department Office located in Room 305B.

For detailed information on the Master of Arts in History, students are referred to the Graduate School Bulletin of Texas Southern University.

The Department has a diverse mission that encompasses two distinct academic disciplines, History and Geography, and also houses the degree program in General Studies. Through the program of study in History, the Department is committed to providing students with modern research skills and computer skills that are appropriate to the discipline and to their chosen careers. On a more abstract level, it is the goal of the Department to increase students' awareness of the nature of history and the historical process, as well as to expand their knowledge of world history and American history while emphasizing the role of African Americans and other minorities. Through course offerings and the minor available in Geography, students are introduced to the environmental, cultural, and human aspects of the world and its various regions. In addition, they develop skills, through hands-on training, in areas such as cartography and geographic information systems.

The Bachelor of Arts in General Studies offers a broad interdisciplinary program that can be tailored to match a wide variety of educational and professional goals of students. Those pursuing a B.A. in General Studies are strongly encouraged to consult with an advisor to formulate a coherent and professionally practical program for this major. The specialty within the General Studies major is a focus (concentration) area agreed upon by the student and advisor. Fifteen (15) credits must be at the 300 and 400 level and courses may be taken in more than one department to fulfill the specialty component.

In pursuing the Bachelor of Arts (B.A.) in History through this instructional unit, students (as first-time degree seekers) are required to declare a minor in a second academic discipline. In contrast, students pursuing the Bachelor of Arts (B.A.) in General Studies (as first-time degree seekers) are NOT required to declare a minor in a second academic discipline. History majors will choose one of four concentrations for their B.A. in history. The first concentration provides a general overview of history, the second concentration focuses on African American history, the third focuses on world history, and the fourth is designed for students planning to enter law school. Details of the curriculum for each concentration are found on the following pages.

Academic Standards and Academic Requirements

Students majoring in history must earn a grade "C" or better (where grades of "C-" are unacceptable) in all courses specified as either major courses, other required courses, as well as all courses for their minor unless otherwise stated below. An exit examination is also required of graduating seniors in history, and all history majors must complete HIST 420 during their senior year. In addition, students seeking the B.A. degree in History must officially declare their minor area and they are required to obtain detailed advisement from an advisor in their minor area. The selection of a minor may duplicate some courses required for the History major, and impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours.

Students majoring in general studies must obtain a grade of "C" or better (where grades of "C-" are unacceptable) in all major and specialty courses.

Students wishing to pursue one of the two undergraduate degrees or one of the five minors offered through the Department must first gain admission to the University, must satisfy TSI requirements or equivalent with the University's TSI Testing Coordinator, and must petition the Department for admission as TSI requirements are completed. Once admitted, students are each assigned an official faculty advisor who must be consulted each semester prior to registration. Students are also expected to keep the Department Office apprised of changes in addresses and telephone numbers.

Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in History, 21 semester credit hours are required including the six hours required by the core and an additional 15 hours which must include two courses in world history and 9 hours at the 300-level or 400-level. The four required courses are as follows: HIST 131, HIST 132, HIST 231, and HIST 232.

For the minor in Geography, 21 semester credit hours are required, including GEOG 132 (3 semester credits), and 18 additional credit hours in Geography. At least 9 credit hours must be at the 300-level or 400-level.

For the minor in African Studies, students must take 21 semester credit hours selected from the list below. Of the 21 hours students must take: AFS 132 Introduction to African Studies, ART 137 Introduction to African Art, and three hours of a foreign language, either in French or an African language. The remaining twelve credits must be chosen from among ART 135, ECON 443, ENG 243, FR 439, GEOG 132, GEOG 430, HIST 345, HIST 381, HIST 382, HIST 421, HIST 481, POLS 360, POLS 361, SC 432, SOC 238, or SOC 335. **Courses used to fulfill minor requirements in African Studies cannot be simultaneously used to fulfill a major requirement.**

For the minor in African American Studies, 21 semester credit hours are required through enrollment in four (4) three-credit courses and nine (9) additional credits at the 200-level or above. The four required courses are: HIST 321, ENG 244, POLS 410, and ART 139. The remaining nine credits may be selected from the following courses: HIST 322, HIST 381, HIST 382, HIST 478, HIST 481, SOC 254, SOC 335, ENG 243, ENG 440, ENG 441, POLS 412, ART 137, THC 339, and SC 436. **Courses used to fulfill minor requirements in African American Studies cannot be simultaneously used to fulfill a major requirement.**

For the minor in Women's Studies, 21 semester credit hours are required through enrollment in five (5) three-credit courses and six (6) additional credits at the 200-level or above. The required courses are as follows: HIST 246 Introduction to Women's Studies, which should be taken first; ENG 339 Women's Literature; HIST 349 Women's History; SOC 460 Women in Society; and POLS 440 Seminar on Women's Political Issues. The remaining nine credits may be selected from courses which focus on women, including but not limited to SOC 221 Sociology of Human Sexuality; HIST 348 Women and Empire; SOCW 333 Violence and Abuse in Families. Prerequisites: Completion of all required ENG 131, ENG 132, and 200-level core curriculum requirement. **Courses used to fulfill minor requirements in Women's Studies cannot be simultaneously used to fulfill a major requirement.**

In summary, students must gain admission to the University, must satisfy Texas Success Initiative (TSI) requirements or equivalent, and must petition the Department for major or minor status upon completion of TSI requirements. Each student admitted is assigned an official advisor, and students interested in certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education. An exit examination is required of graduating seniors. Further information may be obtained by contacting the Department Office at (713)-313-7794.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Chaudhuri, Nupur Professor B.A., University of Calcutta M. A. T., Smith College M.A., Ph.D., Kansas State University</p>	<p>Parekh, Trushna Assistant Professor B.A., University of California, Berkeley M.A., Louisiana State University Ph.D., University of Texas at Austin</p>
<p>Hart, Roger Associate Professor B.S., Massachusetts Institute of Technology M.S., Stanford Ph.D., University of California Los Angeles</p>	<p>Pitre, Merline Professor B.S., Southern University M.A., Atlanta University M.A., Ph.D., Temple University</p>
<p>Kossie-Chernyshev, Karen L. Professor B.A., M.A., Rice University M.A., Michigan State University Ph.D., Rice University</p>	<p>Taylor, Nikki Professor B.A., University of Pennsylvania M.A., Ph.D. Duke</p>
<p>Maddox, Gregory H. Professor B.A., University of Virginia Ph.D., Northwestern University</p>	<p>Wintz, Cary D. Professor B.A., Rice University M.A., Ph.D., Kansas State University</p>

HIST 343	History of Brazil Explores the history of Brazil from the onset of Portuguese colonization in the sixteenth century to the present. Emphasizes the significance of slavery in Brazil's development through the end of the nineteenth century, and the transformation of Brazil into a multiracial industrialized democracy in the twentieth century. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 344	Constitutional History of the United States An examination of legal constitutional problems and issues in American history. Three hours of lecture per week.	(3)
HIST 348	Women and Empire Examination of the history of gender, sexuality, and racial and national identity. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 349	Women's History Survey of the history of women in the United States from the colonial period to the present. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 371	Texas History History of Texas from prehistoric times to the present. Special attention focused on the role of Texas as a crossroad between Anglo and Latin America. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 381	African Civilizations to 1800 Introduction to the rise of African civilizations from the first African civilization in Egypt through the period of the Atlantic slave trade. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 382	African Civilizations since 1800 Continuation of HIST 381. Examines the integration of African societies into the world economy and the responses of Africans to that integration. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 410	Archival Methods and Records Management Examination of the evolution of record collection and preservation in modern times. Students work directly with historical records. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 420	Capstone Seminar Directed reading course that may be repeated for up to six hours credit. Open to senior History majors and minors and required of majors. Students must undertake an independent research project leading to the production of an article-length senior thesis. Three hours of lecture per week. Prerequisites: HIST 131, HIST 132, HIST 231, and HIST 232.	(3)
HIST 421	Topics in African Diaspora Directed readings course that may be repeated for up to six hours credit. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.	(3)
HIST 430	Topics in U.S. History Intensive study with reading and discussion of special topics in United States, African American, and world history. Special attention will be focused on selected national and international topics. Three hours of lecture per week. May be repeated for up to 9 credits as topics vary. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 431	Topics in European History Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of European civilization. Prerequisites: HIST 231 and HIST 232.	(3)
HIST 432	Topics in World History Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.	(3)

- HIST 434** **Topics in Latin American History** (3)
 General study of the origins of the peoples, cultures, and politics of Latin America with special emphasis on the problems of colonialism, imperialism, and hemispheric solidarity. Prerequisites: HIST 231 and HIST 232. May be repeated for up to six credits as topics vary.
- HIST 438** **History of the South** (3)
 Examination of the South, including Houston during and after slavery with particular emphasis on race relations as well as cultural and economic development. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 439** **The United States since 1945** (3)
 Examination of the rapid social and political changes experienced by the United States since World War II with particular attention given to America's involvement in foreign affairs. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 447** **Modern African American History** (3)
 Examination of the background and events of the struggle for legal, political, and economic equality by African Americans up to the present day. Three hours of lecture per week. May be repeated as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 451** **Mexican American History** (3)
 Examination of the Mexican-American people with special emphasis on Texas and the Southwest. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 471** **The American Revolution** (3)
 Examination of the explosive political, social, and cultural developments between 1763 and 1789 which culminated in a war for independence and the adoption of the U. S. Constitution. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 478** **Slavery** (3)
 Examination of the political, social, economic, and cultural impact of slavery on the Western world. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 479** **Urban History of the United States** (3)
 Examination of the process of urbanization in American history with special emphasis on the role of ethnic minorities, Blacks, and Browns, in an urban nation. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 481** **Topics in African History** (3)
 Series of specialized topics in African history. Topics include ancient African kingdoms, history of South Africa, and the Atlantic slave trade. May be repeated up to 6 credits as topics vary. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

AFRICAN STUDIES COURSE

- AFS 132** **Introduction to African Studies** (3)
 This course is a multi-disciplinary course designed to give students a broad overview of African history, culture, economics, and art. Three hours of lecture per week.

GEOGRAPHY COURSES

- GEOG 132** **World Regional Geography** (3)
 Surveys world regions in terms of the physical, historical, economic, cultural, and political systems that produce characteristics and patterns unique to each region, as well as the connections and commonalities between regions. The course provides students with the foundations and framework for developing a geographic understanding of the world. Three hours of lecture per week. **Listed as GEOG 1303 in the Texas Common Course Numbering System.**

GEOG 231	Geography of North America Geographical analysis of the nations of North America. Relationships among natural resources, social structure, and economic structure and development discussed. Three hours of lecture per week.	(3)
GEOG 232	Population Geography Designed to demonstrate how spatial variations in the distribution, composition, migration, and growth of populations are related to spatial variations in the nature of places. Three hours of lecture per week.	(3)
GEOG 234	Cities of the World This course provides an interdisciplinary introduction to the city in the context of contemporary globalization. Analysis of urban patterns and processes through the theoretical perspectives of various disciplines and methodologies. Three hours of lecture per week.	(3)
GEOG 330	Introduction to Cartography Introduction to the fundamentals of cartography, including basic computer mapping techniques. Three hours of lecture per week.	(3)
GEOG 331	Geography of Texas Designed to acquaint students with the principal geographic factors influencing the development of the state of Texas. Three hours of lecture per week.	(3)
GEOG 332	Economic Geography This course introduces the spatial dimensions and dynamics of economic activity. Themes include globalization, uneven development and inequality, international trade, and local and regional economies. Three hours of lecture per week.	(3)
GEOG 334	Urban Geography This course examines city systems and theories of urban location, internal spatial structure of the city, commercial and industrial location, social areas, neighborhood use and land use change, urban trends, and public policy. Three hours of lecture per week.	(3)
GEOG 337	Geography of Asia Survey of the geography of Asia with emphasis on the Middle East, Far East, and Indochina. Three hours of lecture per week.	(3)
GEOG 338	Geographic Information Systems Survey of computerized spatial data handling systems for visual display or analytic modeling purposes. Three hours of lecture and one hour of laboratory per week. Prerequisite: CS 116 or the equivalent.	(4)
GEOG 430	The People and Culture of Africa Integrated overview of the African cultural history, social organizations, economic and political geography. Three hours of lecture per week.	(3)
GEOG 431	Geography of Health and Disease Study of the spatial distribution of diseases and their relationship to the environment and the geographical aspects of health-related activities. Three hours of lecture per week.	(3)
GEOG 432	Geography and Transportation Consideration of the nature of spatial interactions, the various kinds of transport media, and the relationship between transportation and economic and social patterns. Three hours of lecture per week.	(3)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS IN HISTORY (GENERAL) CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	30 credits	27 credits	21 credits
Communication:		HIST 131 (3)	Math 231 (3)	Contact advisor for recommendations for advice regarding the selection of a minor
ENG 131 (3)**	ENGL 1301	HIST 132 (3)	ENG 23x (3)	
ENG 132 (3)	ENGL 1302	HIST 331 OR 332 (3)	Electives(21)*****	
Mathematics:		HIST 420 (3)		
MATH 135 (3) or MATH 133***	MATH 1324 or MATH 1314	HIST ELECTIVE: NON WESTERN HISTORY (3)		
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (15)		
GEOL 141 (3)	GEOL 1303			
Language, philosophy, and culture:				
ENG 2xx (3)****	ENGL 2xxx			
Creative arts:				

American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2301			
POLS 236 (3)	GOVT 2302			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
HIST 281 (3)	HIST 2381			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents credit hours.

*** Students considering graduate school are strongly encouraged to take College Algebra (MATH 133).

****Select one of the following: ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENG 2326, or ENGL 2326)

***** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA.

***** Select one of the following: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

***** Depending on the minor, the number of electives may increase or decrease to insure that the number of credits for the degree reaches 120 hours.

**BACHELOR OF ARTS DEGREE IN HISTORY
HISTORY (GENERAL) CONCENTRATION
FOUR YEAR DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	BIO 143 Survey of Life Science	3	GEOL 141 Introduction to the Earth	3	
	SC 135 Business & Prof Comm or SC 136 Public Address	3	**Social and Behavioral Science	3	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	*Creative Arts	3	HIST 232 Social and Political History of the United States Since 1877	3	
	HIST 231 Social and Political History of the United States to 1877	3	MATH 135 Math for Bus & Econ I or MATH 133 College Algebra***	3	
		15 hrs			15 hrs
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 23X	3	ENG 2XX	3	
	HIST 131 World History I	3	HIST 132 World History II	3	
	HIST 281 Intro to Af Am History	3	Elective	3	
	MATH 231 Elementary Statistics	3	Minor	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
		15 hrs			15 hrs
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HIST Elective	3	HIST Elective	3	
	HIST 331 Mod Europe from 1450-1815 or History 332 Modern Europe Since 1500	3	HIST Elective - Non-Western History	3	
	Minor	3	Minor	3	
	HIST Elective	3	Elective	3	
	Elective	3	Elective	3	
		15 hrs			15 hrs
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HIST 420 Capstone Seminar	3	HIST Elective	3	
	Minor	3	HIST Elective	3	
	Minor	3	Elective	3	
	Elective	3	Minor	3	
	Elective	3	Minor	3	
		15 hrs			15 hrs

* Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

**Select one of the following: PSY131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 132, ECON 231, GEOG132

*** Students considering graduate school are strongly encouraged to enroll in MATH 133

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS IN HISTORY
AFRICAN AMERICAN HISTORY CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	30 credits	27 credits	21 credits
Communication:		HIST 131 (3)	Math 231 (3)	Contact advisor for recommendations for advice regarding the selection of a minor
ENG 131 (3)	ENGL 1301	HIST 132 (3)	ENG 244 (3)	
ENG 132 (3)	ENGL 1302	HIST 321 or 322(3)	Electives(21)****	
Mathematics:		HIST 331 or 332(3)		
MATH 133 (3)	MATH 1314	HIST 381 or 382 (3)		
Life and physical sciences:		HIST 420 (3)		
BIOL 143 (3)	BIOL 1308	HIST 478 (3)		
GEOL 141 (3)	GEOL 1303	HIST ELECTIVES (6)		
Language, philosophy, and culture:		HIST ELECTIVE: AfAm History (3)		
ENG 2XX (3)	ENGL 2XXX			
Creative arts:				

American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2301			
POLS 236 (3)	GOVT 2302			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
HIST 281 (3)	HIST 2381			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents total credit hours

*** Students considering graduate school are strongly encouraged to enroll in MATH 133

**** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

***** Select one of the following: PSY 131, SOC 157, SOC 158, SOC 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

*****Depending on the minor, the number of electives may increase or decrease to insure that the number of credits for the degree reaches 120 hours.

**BACHELOR OF ARTS DEGREE IN HISTORY
AFRICAN AMERICAN HISTORY CONCENTRATION
FOUR YEAR DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	BIO 143 Survey of Life Science	3	GEOL 141 Introduction to the Earth	3	
	SC 135 Business & Prof Comm or SC136 Public Address	3	Social and Behavioral Science **	3	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	Creative Arts *	3	HIST 232 Social and Political History of the United States Since 1877	3	
	HIST 231 Social and Political History of the United States to 1877	3	MATH133 College Algebra	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 244 African American Literature	3	ENG 23x	3	
	HIST 131 World History I	3	HIST 132 World History II	3	
	HIST 281 Intro to Af Am History	3	Elective	3	
	MATH 231 Elementary Statistics	3	Minor	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HIST 321 African Am Hist to 1865 or HIST 322 African Am Hist Since 1865	3	African American History Elective	3	
	HIST 331 Mod Europe from 1450-1815 or HIST 332 Modern Europe Since 1500	3	HIST 381 African Civilizations to 1800 or HIST 382 African Civilizations Since 1800	3	
	Minor	3	Minor	3	
	HIST Elective	3	Elective	3	
	Elective	3	Elective	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HIST 420 Capstone Seminar	3	HIST 478 Slavery	3	
	Minor	3	Elective	3	
	Minor	3	Elective	3	
	Minor	3	Elective	3	
	HIST Elective	3	Minor	3	
		15 hrs		15 hrs	

* Select one of the following: ART 131, ART 132, THEA 130, THEA 131, MUSIC 131, MUSIC 239

**Select one of the following: PSY131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 132, ECON 231, GEOG132

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS IN HISTORY
PRE-LAW CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	30 credits	27 credits	21 credits
Communication:		HIST 131 (3)	Math 231 (3)	Contact advisor for recommendations for advice regarding the selection of a minor
ENG 131 (3)**	ENGL 1301	HIST 132 (3)	ENG 23x (3)	
ENG 132 (3)	ENGL 1302	HIST 331 OR 332 (3)	POLS 413 (3)	
Mathematics:		HIST 344 (3)	Electives(18)*****	
MATH 133 (3)	MATH 1314	HIST 420 (3)		
Life and physical sciences:		HIST ELECTIVE: Non-Western Hist (3)		
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (12)		
GEOL 141 (3)	GEOL 1303			
Language, philosophy, and culture:				
ENG 2xx (3)	ENGL 2xxx			
Creative arts:				

American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2301			
POLS 236 (3)	GOVT 2302			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
HIST 281 (3)	HIST 2381			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents total credit hours

*** Students considering graduate school are strongly encouraged to enroll in MATH 133

**** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

***** Select one of the following: PSY 131, SOC 157, SOC 158, SOC 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

***** Depending on the minor, the number of electives may increase or decrease to insure that the number of credits for the degree reaches 120 hours.

**BACHELOR OF ARTS DEGREE IN HISTORY
PRE-LAW HISTORY CONCENTRATION
FOUR YEAR DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	BIO 143 Survey of Life Science	3	GEOL 141 Introduction to the Earth	3	
	SC 135 Business & Prof Comm or SC136 Public Address	3	Social and Behavioral Science **	3	
	ENG 131 Freshman English I Creative Arts*	3	ENG 132 Freshman English II	3	
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States Since 1877	3	
		15 hrs	MATH133 College Algebra	3	
				15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XX	3	ENG 23x	3	
	HIST 131 World History I	3	HIST 132 World History II	3	
	HIST 281 Intro to Af Am History	3	Elective	3	
	MATH 231 Elementary Statistics	3	Minor	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HIST Elective	3	HIST 344 Constitutional History of the United States	3	
	HIST 331 Mod Europe from 1450-1815 or HIST 332 Modern Europe Since 1500	3	HIST Elective - Non-Western History	3	
	Minor	3	Minor	3	
	HIST Elective	3	POLS 413 Constitutional Law	3	
	Elective	3	Elective	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HIST 420 Capstone Seminar	3	HIST Elective	3	
	Minor	3	HIST Elective	3	
	Minor	3	Elective	3	
	Minor	3	Elective	3	
	Elective	3	Minor	3	
		15 hrs		15 hrs	

* Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

** Select one of the following: PSY 131, SOC 157, SOCI 158, SOC 221, SOC 238, ECON 231, GEOG132

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS IN HISTORY
WORLD HISTORY CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	30 credits	27 credits	21 credits
Communication:		HIST 131 (3)	Math 231 (3)	Contact advisor for recommendations for advice regarding the selection of a minor
ENG 131 (3)**	ENGL 1301	HIST 132 (3)	ENG 231 or 232 (3)	
ENG 132 (3)	ENGL 1302	HIST 331 OR 332 (3)	Foreign Lang (12)	
Mathematics:		HIST 420 (3)	Electives(9)****	
MATH 135 (3) or MATH 133 (3) ***	MATH 1324 or MATH 1314	HIST ELECTIVE: World History (9)		
Life and physical sciences:		HIST ELECTIVE: American History (3)		
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (6)		
GEOL 141 (3)	GEOL 1303			
Language, philosophy, and culture:				
ENG 2xx (3)	ENGL 2xxx			
Creative arts:				

American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2301			
POLS 236 (3)	GOVT 2302			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
HIST 281 (3)	HIST 2381			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents total credit hours

*** Students considering graduate school are strongly encouraged to enroll in MATH 133

**** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

***** Select one of the following: PSY 131, SOC 157, SOC 158, SOC 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

*****Depending on the minor, the number of electives may increase or decrease to insure that the number of credits for the degree reaches 120 hours.

**BACHELOR OF ARTS DEGREE IN HISTORY
WORLD HISTORY CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

FIRST SEMESTER		SECOND SEMESTER		
First Year	BIO 143 Survey of Life Science	3	GEOL 141 Introduction to the Earth	3
	SC 135 Business & Prof Comm or SC136 Public Address	3	Social and Behavioral Science**	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	Creative Arts*	3	HIST 232 Social and Political History of the United States Since 1877	3
	HIST 231 Social and Political History of the United States to 1877	3	MATH 135 Math for Bus & Econ I MATH 133 College Algebra	3
	15 hrs		15 hrs	
THIRD SEMESTER		FOURTH SEMESTER		
Second Year	ENG 231 or 232	3	ENG 2XX	3
	HIST 131 World History I	3	HIST 132 World History II	3
	HIST 281 Intro to Af-Am History	3	Minor	3
	MATH 231 Elementary Statistics	3	Foreign Language	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	15 hrs		15 hrs	
FIFTH SEMESTER		SIXTH SEMESTER		
Third Year	World HIST Elective	3	HIST Elective	3
	HIST 331 Mod Europe from 1450-1815 or HIST 332 Modern Europe Since 1500	3	World HIST Elective	3
	Minor	3	Minor	3
	American HIST Elective	3	Elective	3
	Foreign Language	3	Foreign Language	3
	15 hrs		15 hrs	
SEVENTH SEMESTER		EIGHTH SEMESTER		
Fourth Year	HIST 420 Capstone Seminar	3	World HIST Elective	3
	Minor	3	HIST Elective	3
	Minor	3	Elective	3
	Minor	3	Elective	3
	Foreign Language	3	Minor	3
	15 hrs		15 hrs	

* Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

**Select one of the following: PSY131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 132, ECON 231, GEOG132

*** Students considering graduate school are strongly encouraged to enroll in College Algebra.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (GENERAL STUDIES)	CONCENTRATION	OTHER RE- QUIREMENTS
42 credits	EQUIVALENT	30 credits	24 credits^	24 credits
Communication:		CS 116 (3)	See Advisor	Electives (24 credits)
ENG 131 (3)**	ENGL 1301	GEOG 132 (3)		See Advisor
ENG 132 (3)	ENGL 1302	MATH 137, 138 or 231 (3)		
Mathematics:		SOC 3xx (3)		
MATH 135 (3) or MATH 133 (3)++	MATH 1324 or MATH 1314	ENG 3xx (3)		
Life and Physical sciences:		GEOG 3xx or 4xx (6)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	HIST 3xx or 4xx (6)		
BIOL, CHEM, PHYS or GEOL (3)*		HIST 420 (3)^^		
Language, Philosophy, and Culture:				
ENG 2xx (3)**				
Creative Arts:				
MUSI, ART, or THEA (3)***				
American History:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/Political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and Behavioral sciences:				
PSY or SOC (3)****				
Institutional Options:				
TSU Core Speech or Foreign Language (3) +				
TSU Core African American Studies (3)				

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents total credit hours

*** Select 3 SCH from University approved core curriculum in BIOL, CHEM, PHYS, or GEOL

**** Select one of the following: ENG 230, ENG 231, ENG 235, ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

***** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

***** Select one of the following: PSY 131, SOC 157, SOC 158, SOC 221, or SOC 238 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, or ANTH 2346)

+ Select one of the following: SC 135, SC 136, CHNS 131, FR 131, or SPAN 131 (TCCNS: SPCH 1321, SPCH 1315, CHIN 1311, FREN 1311, or SPAN 1311)

++ Students considering graduate school are strongly encouraged to complete College Algebra (MATH 133).

**BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
DEGREE PLAN-TOTAL CREDITS: 120**

FIRST SEMESTER		SECOND SEMESTER		
First Year	ENG 131 Freshman English I	3	Life & Physical Science***	3
	MATH 135 Math for Bus & Econ I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra++			
	Social & Behavioral Sciences*	3	GEOG 132 World Regional Geography	3
	Creative Arts**	3	TSU Core Speech or Foreign Language+	3
	BIOL 143 or Survey of Life or CHEM 131 General Chemistry I	3	MATH 137 , MATH 138 or MATH 231	3
	15 hrs		15 hrs	
THIRD SEMESTER		FOURTH SEMESTER		
Second Year	ENG 2xx Level English****	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	CS 116 Introduction to Computer Science I	3	TSU Core African American Studies Option	3
	POLS 235 American Government	3	Concentration	3
	ELECTIVE	3	Concentration	3
		15 hrs		15 hrs
FIFTH SEMESTER		SIXTH SEMESTER		
Third Year	HIST 3xx or 4xx Upper Level History	3	GEOG 3xx or 4xx Upper Level Geography	3
	GEOG 3xx or 4xx Upper Level Geography	3	HIST 3xx or 4xx Upper Level History	3
	ENG 3xx Upper Level English	3	Elective	3
	SOC 3xx Upper Level Sociology	3	Elective	3
	Concentration	3	Concentration	3
		15 hrs		15 hrs
SEVENTH SEMESTER		EIGHTH SEMESTER		
Fourth Year	HIST 420 Capstone Seminar	3	Concentration	3
	Elective	3	Concentration	3
	Elective	3	Concentration	3
	Elective	3	Elective	3
	Concentration	3	Elective	3
		15 hrs		15 hrs

* Select one of the following: PSY 131, SOC 157, SOC 158, SOC 221, or SOC 238

** Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA.

*** Select 3 SCH from University approved core curriculum in BIOL, CHEM, PHYS, or GEOL.

**** Select one of the following: ENG 230, ENG 231, ENG 235, or ENG 244

+ Select one of the following: SC 135, SC 136, CHNS 131, FR 131, or SPAN 131

++ Students considering graduate school are strongly encouraged to complete College Algebra (MATH 133).

DEPARTMENT OF HUMAN SERVICES AND CONSUMER SCIENCES

Program Overview:

The Department of Human Services and Consumer Sciences is one of several units in the College of Liberal Arts and Behavioral Sciences. Formerly known as the Department of Home Economics, the Department of Human Services and Consumer Sciences offers degrees at the bachelor's and master's levels. Degrees offered at the bachelor's level include the **Bachelor of Science (B.S.) in Dietetics and the Bachelor of Science (B.S.) in Human Services and Consumer Sciences**. Students seeking the Bachelor of Science in Human Services and Consumer Sciences may elect to focus in one of the following areas: Child and Family Development, Food and Nutrition, Composite Family and Consumer Sciences, Family and Consumer Sciences with Certification, or Human Development and Family Studies with Certification. Additionally, the department offers minors in Child and Family Development, Composite Family and Consumer Sciences and Food and Nutrition.

Students interested in the Master of Science in Human Services and Consumer Sciences should refer to the Graduate School Bulletin of Texas Southern University for details.

The Human Services and Consumer Sciences Department (HSCS) is housed in the Cecelia Scott Lane Building. The Department Office is located in room 103 of that facility. HSCS Department personnel may be contacted at 713-313-7230.

Department Mission:

The mission of the Department of Human Services and Consumer Sciences is to improve the quality of life for individuals and families in the global society through high quality programs, outreach services and research. In its endeavor to achieve its mission, the Texas Southern University Human Services and Consumer Sciences Department seeks to prepare self empowered, competent individuals from diverse backgrounds for entrepreneurial, leadership, entry level professional roles, and advanced study in dietetics, human development, food science, human nutrition, family, consumer, and community services. The program is designed to: 1) provide instructional and clinical experiences that satisfy the competencies needed for dietetic entry careers as well as to provide the competencies needed for entry into dietetic and professional internships; 2) prepare competent family and consumer sciences professionals and child development professionals; and 3) provide students with the competencies necessary to enter graduate and professional schools and/or gain entry level careers in human development, family relations, consumer, human nutrition, and other related careers that service the needs of individuals, families and children, especially those in urban environs.

Matriculation Requirements:

In pursuing either the B.S. degree in Dietetics or the B.S. degree in Human Services and Consumer Sciences, students are not required to declare a minor in a second academic discipline as all HSCS fields of study are composite majors. The B.S. degree program in Dietetics is accredited by the Accreditation Council for Education in Dietetics (ACED) of the American Dietetic Association. As such, students are required to follow the guidelines set forth for the Dietetics program and the Department of Human Services and Consumer Sciences. Specific requirements for both the Bachelor of Science in Dietetics and the Bachelor of Science degree in Human Services follow.

1. Grade Requirements:

- **All students who major in HSCS programs of study must earn grades of "C" or better in all courses specified as University core courses major and cognate courses (thus, grades of "C-" or less are unacceptable).**
- **In addition to earning grades of "C" or better in major courses, Dietetic majors must also earn grades of "C" or better in all required Mathematics, Science, and English courses.**
- Beginning Fall 2012, students entering the Dietetics program must have and maintain a minimum 2.75 G.P.A by the end of their sophomore year.
- Beginning Fall 2014, students entering the Dietetics program must have and maintain a minimum 3.0 G.P.A. by the end of their sophomore year.

2. Exam Requirements:

- All HSCS majors (both Dietetic and Human Services and Consumer Sciences degree seekers) must take and pass an Exit Exam in their area of specialty before graduating.
- In addition, Dietetic majors must pass the Dietetic Rising Junior Examination at the end of the sophomore level.

3. Health Insurance:

- Health insurance is required of all Dietetic students participating in practical experiences as a condition of the affiliation agreements with host sites.

4. Health Tests:

- All HSCS majors must observe immunization record and health test requirements of clinical and practicum host sites.

5. Background Checks:

- A background check is required of any student participating in a HSCS or Dietetics practicum or clinical experience. Students are referred to the Harris County Criminal Courts Customer Service Department to request a background check. Students are responsible for any associated fees or paperwork.

Students desiring to pursue one of the two undergraduate degrees or the minor offered through the Department must first gain admission to the University, satisfy Texas Success Initiative (TSI) or equivalent requirements and must complete any identified deficiencies. They must also petition the Department for admission as TSI and/or equivalent requirements are completed. Once admitted, students will be assigned an official faculty advisor with whom they must consult on a semester or term basis to ascertain progress toward completion of major degree or minor requirements. **Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Director of Certification in the College of Education at Texas Southern University for application instructions.** Additionally, majors in Human Services and Consumer Sciences disciplines should be advised that major courses, especially at the upper level, are offered in rotational sequences. Further, lower level major courses should be completed before enrolling in upper level courses. To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS majors.

Description of HSCS Academic Programs

Dietetics Program

Accredited by the Academy of Nutrition and Dietetics, the Dietetics program is designed for students desirous of becoming registered dietitians and/or nutritionists employed in health, community, business, research, private and educational agencies/facilities. Career options include, but are not limited to clinical, research, food production/management, pediatric, oncology, nutrition entrepreneur, gerontology, sports, cardiovascular and wellness dietitians. The program requires 123 semester hours, a Rising Junior Examination, and an Exit Examination. To meet eligibility requirements for becoming a Registered Dietitian, the following steps must be followed:

Requirements For Becoming a Registered Dietitian

Eligibility for the Registration Examination for Dietitians is determined by evaluation of current requirements as established by the Commission on Dietetic Registration (CDR). The present eligibility requirements address academic preparation and supervised practice as explained below.

1. Complete a minimum of a bachelor's degree at a U.S. regionally accredited university or college and course work approved by the Accreditation Council for Education in Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND)
2. Complete an ACEND-accredited supervised practice program at a healthcare facility, community agency, or a food service corporation, or combined with undergraduate or graduate studies. Typically, a practice program will run six to twelve months in length.
3. Pass a national examination administered by the Commission on Dietetic Registration (CDR).
4. Complete continuing professional educational requirements to maintain registration.
Source: The Academy of Nutrition and Dietetics (AND).

HUMAN SERVICES AND CONSUMER SCIENCES BACCALAUREATE PROGRAMS

Child and Family Development Program

The area of Child and Family Development focuses on growth throughout the life span as well as family dynamics and the impact thereof on individual family members. This program prepares individuals for management, entrepreneurial and other professional careers in agencies, institutions, and programs that focus on services for children, youth, adults and families. Some career options include: case workers, parent educators, family-child educators, recreation workers/play therapists, civil servants in family service units of police departments, early childhood professionals in private, parochial, and public schools (with certification); and owners/directors of schools for young children. A total of 120 semester hours are required for completion of requirements in this program area.

Family and Consumer Sciences Program

Courses in this holistic area of study focus on providing opportunities for the development of competence in family and consumer program development and leadership. In addition, students may opt to receive certification in Human Development and Family and Consumer Sciences. Career options include secondary Vocational Family and Consumer Sciences Teacher Certification (in cooperation with the College of Education); family and consumer sciences, extension and adult program development/directorship; consumer counseling; eldercare service providers, directors,, entrepreneurs; and customer service representatives. A total of 121 semester hours are required for completion of the Composite Family and Consumer Sciences program (without certification); 121 semester hours are required for the Human Development and Family Studies certification program; and 121 semester hours are required for the Composite Family and Consumer Sciences program with certification.

Food and Nutrition Program

The Food and Nutrition program emphasis is designed for persons desirous of pursuing careers as food production managers, and supervisors; health/food inspectors; caterers; hotel and restaurant managers; hospitality hosts; and food service supervisors/managers in institutional and cafeteria settings. A total of 121 semester hours are required for completion of this program emphasis area.

Minor in HSCS Focus Areas:

The minor offered in Human Services and Consumer Sciences is unique in that it offers students the opportunity to choose one of three concentrations in Human Services and Consumer Sciences. Those concentrations are Child and Family Development, Composite Family and Consumer Sciences, and Food and Nutrition. The various concentrations for the minor are specified below. Grades of "C" or better must be earned in all courses referenced for the minor. Additionally, minors in Human Services and Consumer Sciences disciplines should be advised that courses leading to the minor are offered on a rotational cycle (especially upper level courses). Further, lower level courses requirements must be completed before enrolling in upper level courses.

For the Child and Family Development concentration toward the minor in Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits); CFDV 234 (3 credits); CFDV 235 (3 credits); CFDV 333 (3 credits), CFDV 432 (3 credits), and six (6) additional CFDV restricted elective credits at the 300-level or 400-level.

For the Composite Family and Consumer Sciences concentration toward the minor in Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits), CT 130 (3 credits), FN 233 (3 credits), HSCS 233 (3 credits), FCS 436 (3 credits), and six (6) additional HSCS, CFDV, CT, or in elective credits at the 300-level or 400-level.

For the Food and Nutrition concentration toward the minor in Human Services and Consumer Sciences, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: FN 233 (3 credits), FN 253 (3 credits), FN 337 (3 credits), and twelve (12) additional FN restricted elective credits at the 300-level or 400-level.

To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS minors.

The University reserves the right to change any policy, fees or requirement at any time that students are enrolled. Courses are also subject to change.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Ahmed, Selina Associate Professor Interim Department Chair B.Sc., M.Sc., College of Home Economics, Dhaka, Bangladesh Ph.D., Texas Women's University</p>	<p>Morgan, Annie Associate Professor Director of Didactic Program in Dietetics B.S., Grambling State University M.S., University of Nebraska Dr.P.H. University of Texas –Houston Center RD/LD (Registered/Licensed Dietitian)</p>
<p>Anglin, Judith Camele Associate Professor Director of Didactic Program in Dietetics B.S., M.S., Ph.D. Howard University B.S. University of Technology (Jamaica) Registered Dietitian/Nutritionist (R.D.N.)</p>	<p>Oates, D. Vantrice Associate Professor B.S., M.A., Ed.D., Texas Southern University</p>
<p>Dixon, Kimona Scurlock Visiting Instructor B.S., M.S., ABD, Texas Southern University</p>	<p>Morrow, Ellis Field Instructor and Practicum Coordinator B.S., University of Houston M.S., University of Texas Pan American Registered Dietitian (R.D.), Licensed Dietitian (L.D.), Board Certified Specialist in Gerontological Nutrition (C.S.G.), Board Certified Specialist in Renal Nutrition (C.S.R.)</p>
<p>Levy-Cullins, Dandy Visiting Instructor B.S., M.S., Texas Southern University ABD Texas Women's University Certified Family Life Educator(C.F.L.E)</p>	

ART AND DESIGN COURSES

AD 130	Environmental Design (2) Introduction to the elements and principles of design. Two hours of lecture per week.
AD 130L	Environmental Design Laboratory (1) Laboratory course to accompany AD 130. Two hours of laboratory per week.
AD 131	Introduction to Housing (2) Space planning, color schemes, and selection of residential furnishings and accessories according to lifestyle and budget considerations. Two hours of lecture per week. Co-requisite: AD 131L.
AD 131L	Introduction to Housing Laboratory (1) Laboratory course to accompany AD 131. Two hours of laboratory per week. Co-requisite: AD 131
AD 435	Interior Space and Equipment Planning (1) Planning, design, and budgeting of furnishings and equipment in residential environments. One hour of lecture. Co-requisite AD 435L; Prerequisites; Ad 131 and junior/senior status.
AD 435L	Interior Space and Equipment Planning Lab (2) Planning, design, and budgeting of furnishings and equipment in residential environments laboratory course to accompany AD 435. Four (4) hours laboratory per week. Prerequisites: AD 131/AD 131L and Junior/Senior status.

CHILD AND FAMILY DEVELOPMENT COURSES

CFDV 233	Family Relationships (3) Study of interpersonal relationships within the family. Emphasis on analysis of differences in lifestyle and implications of interactions. Three hours of lecture per week.
CFDV 234	Survey of Early Childhood Development (3) Study of the child's sequential development from conception through age twelve with primary emphasis on conception through eight years of age. Observations in appropriate settings required. Three hours of lecture per week.
CFDV 235	Interaction with Young Children (3) Supervised observation and participation with two-to-six-year-old children in a laboratory setting. One hour of lecture per week. Prerequisites: CFDV 233 and CFDV 234.
CFDV 235L	Interaction with Young Children Laboratory (0) Laboratory course to accompany CFDV 235. Four hours of laboratory per week. Prerequisites: CFDV 233 and CFDV 234.
CFDV 331	Methods of Child Study/Assessment of Young Children (3) Study and interpretation of developmentally appropriate assessment techniques necessary for understanding and guiding the behavior of children. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.
CFDV 332	Children's Play: Development and Role (3) Study of the theories of play and use of materials relating to broad areas of growth and development. Emphasis on application of theories to program areas and appropriate use of materials. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.
CFDV 333	Methods and Procedures in Early Childhood Development (3) Program planning, implementation, and evaluation in the early childhood setting. Observation of children in supervised setting required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and junior standing.

CFDV 334	Pre-Adolescence and Adolescent Development Study of the physical, intellectual, emotional, social, and moral development of children from pubescence through adolescence. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.	(3)
CFDV 335	Independent Study Independent study in area of specialization. Prerequisites: Junior standing and consent of instructor.	(3)
CFDV 430	Special Topics Intensive study of professional interest in child development. With class designation, this course may be used up to four (4) times for a total of twelve (12) hours. Senior Project. Project hours to be determined by the instructor of record. Junior /Senior standing.	(3)
CFDV 431	Theories in Child Development Survey of theories relevant to principles of learning in the cognitive, social/emotional, and physiological areas of development at the early childhood level. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing	(3)
CFDV 432	Children's Literature Analysis of children's books with emphasis on literacy and language development enhancement for children. Extensive reading of books by outstanding authors and illustrators included. Three hours of lecture per week. Prerequisite: Junior or senior standing.	(3)
CFDV 433	Multicultural Strategies Study of the impact of various cultures on the American system with implications for early childhood program development. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing	(3)
CFDV 434	Practicum I Educationally directed and supervised practical experience in an early childhood setting or family service agency. Three hours of lecture per week. Prerequisites: CFDV 234, CFDV 235, and Senior standing.	(3)
CFDV 435	Child Nutrition Principles of nutrition affecting growth and development from conception through early childhood. Emphasis on menu planning, preparation, portion control, and nutritional requirements in early childhood programs. Three hours of lecture per week. Prerequisite: FN 233 and Junior /Senior standing.	(3)
CFDV 436	Parenting Study of theoretical procedures and techniques for use in guiding the behavior and development of the child. Application of current research on parenting models utilized. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and Junior/Senior standing.	(3)
CFDV 437	Capstone in Child & Family Development Comprehensive study of the integrative, synergistic nature of the field of Child & Family Development from a historical, theoretical, and practical perspective. Prerequisite: Senior standing.	(3)

CLOTHING AND TEXTILES COURSES

CT 130	Clothing Behavior The psychological, sociological, and aesthetic aspects of clothing. Research project required. Three hours of lecture per week.	(3)
CT 131	Basic Clothing Concepts Study of basic clothing construction. One hour of lecture per week. Co-requisite: CT 131L.	(1)
CT 131L	Basic Clothing Concepts Laboratory Laboratory course to accompany CT 131. Four hours of laboratory per week. Co-requisite: CT 131.	(2)

- FCS 438** **Family and Consumer Economics** (3)
 Study of consumer management principles and income distribution patterns relative to time and money use decision by the family. Three hours of lecture per week. Prerequisite: HSCS 233.
- FCS 439** **Family and Community Services** (3)
 Utilization of family and consumer sciences perspectives in family service agencies within government, public, and private sectors. One hour of lecture per week. Prerequisite: HSCS 233 and FCS 436.
- FCS 439L** **Family and Community Services Laboratory** (2)
 Practicum to accompany FCS 439. Four hours per week. Prerequisites: HSCS 233 and FCS 436.
- FCS 440** **Survey of Human Development Over the Lifespan** (4)
 Independent study in area of specialization.
- FCS 441** **Capstone in Family and Consumer Sciences** (3)
 Comprehensive study of the integrative, synergistic nature of the field of family sciences from a historical, theoretical, and practical perspective. The Senior Exit Examination also administered. Prerequisite: Senior Status.

HUMAN SERVICES AND CONSUMER SCIENCES COURSES

- HSCS 233** **Seminar in Human Services & Consumer Sciences** (3)
 Application of interdisciplinary concepts contributing to the physiological, psychosocial, intellectual development, and well-being of individuals and families. Discussion of the decision-making process relative to the concepts. Three hours of lecture per week.
- HSCS 430** **Research Methodology** (3)
 A study of diverse research approaches focusing on methods for collecting and analyzing quantitative and qualitative data. Critique of research reports and development of a research proposal.
- HSCS 437** **Statistics** (3)
 Survey of descriptive and inferential statistical techniques. Emphasis on understanding and interpreting statistical concepts used in research. Three hours of lecture per week.

- FN 413 Independent Study in Dietetics (1)**
Independent study in area of specialization. Prerequisites: Senior standing and consent of instructor.
- FN 427 Independent Study in Dietetics (2)**
Independent study in area of specialization. Prerequisites: Senior standing and consent of instructor.
- FN 428 Nutrition Counseling (2)**
(Formerly FN 428 Nutrition Education)
Study and application of nutrition knowledge and interpersonal and intrapersonal communication and counseling skills in dietetic settings. One (1) hour lecture and two (2) field/experiential learning experiences per week. Prerequisites: FN 343 and Senior standing.
- FN 430 Special Topics in Dietetics and Foods and Nutrition (3)**
Intensive study of professional interest in foods and nutrition or dietetics. With class designation(s) and permission of instructor, this course maybe used up to four (4) times for a total of twelve (12) hours. Senior project. Project hours to be determined by the instructor of record.
Prerequisite: Junior/Senior standing.
- FN 432 Medical Nutrition Therapy I (3)**
(Formerly FN 432 Nutrition in Disease I) Application of nutrition knowledge and processes for assessing, formulating and developing nutrition care plans for managing cardiovascular and renal diseases, diabetes, obesity and digestive disorders. Two hours of lecture and two hours of practicum per week.
Prerequisites: FN 333, FN 337, FN 343, CHEM 131/111, CHEM 132/112, CHEM 231/211, CHEM 343 and Senior standing.
- FN 433 Medical Nutrition Therapy II (3)**
(Formerly FN 433 Nutrition in Disease II) Application of nutrition knowledge and processes for assessing, formulating and developing nutrition care plans for managing cancer, respiratory and gall bladder diseases. Two hours of lecture and two hours of practicum per week. Prerequisites: FN 333, FN 337, FN 343, CHEM 131/111, CHEM 132/112, CHEM 231/211, CHEM 343 and Senior standing.
- FN 434 Food Analysis and Research (1)**
(Formerly FN 434 Experimental Foods) Study of physical and chemical properties of basic food materials related to consumption, acceptability and nutritional values of food. Application of scientific research methods for analysis. One lecture hour per week. Prerequisites: FN 343, CHEM 231/211 and Senior standing.
- FN 434L Laboratory Experiences in Food Analysis and Research (2)**
(Formerly FN 434 Experimental Foods Laboratory)
Laboratory experiences in the use of research methods applicable to food and nutrition. Four (4) laboratory hours per week. Prerequisites: FN 343, CHEM 231/211, and Senior standing.
- FN 436 Community Nutrition (3)**
Fundamentals of nutritional care delivery systems in community health programs and services with special references to nutritional problems of indigent population groups. Practical approach to nutrition education, interviewing, counseling, and changing food habits. Two hours of lecture and two hours of practicum per week. Prerequisite: FN 233, FN 253, FN 333, FN 337, FN 343, and Junior or Senior standing.
- FN 437 Capstone in Dietetics and Food and Nutrition (3)**
Comprehensive study of the field of Dietetics and Nutrition. Required Senior Exit Exam. Prerequisite: Senior standing.
- FN 438 Independent Study (3)**
Independent study in area of specialization. Prerequisites: Junior/Senior standing and consent of instructor.

FN 442	Independent Study in Dietetics Independent study in area of specialization. Prerequisites: Junior/Senior standing and consent of instructor.	(4)
FN 461	Commercial Food Production <i>(Formerly FN 461 Quantity Cookery)</i> Study of skills and knowledge required for quantity food production and merchandising. Three (3) lecture hours per week. Prerequisites: FN 253, FN 341 and Junior/Senior standing. Co-requisite: FN 461L.	(3)
FN 461L	Commercial Food Production Laboratory <i>(Formerly FN 461 Quantity Cookery Laboratory)</i> Laboratory experiences in quantity food production and merchandising. Six laboratory hours per week. Prerequisites: FN 253, FN 341 and Junior/Senior standing. Co-requisite: FN 461.	(3)

FAMILY AND CONSUMER SCIENCES COURSES

FCS 334	Career Opportunities in Family and Consumer Sciences Survey of current professional opportunities and preparation for the job search process. Overview of the transition from a student to professional role. Three hours of lecture per week.	(3)
FCS 335	Principles of Family and Consumer Sciences Study and evaluation of the ethical principles related to the field of family and consumer sciences. May be used for family life certification. Three hours of lecture per week.	(3)
FCS 411	Independent Study in Family and Consumer Sciences Independent study in an area of specialization.	(1)
FCS 420	Independent Study in Family and Consumer Sciences Independent study in an area of specialization.	(2)
FCS 430	Special Topics Intensive study of professional interest in family & consumer sciences. With class designation, this course may be used up to four (4) times for a total of twelve (12) hours. Prerequisites: Junior / Senior status or consent of instructor.	(3)
FCS 431	Aging and Health Needs Analysis of specific programs and services impacting the needs of an aging population, including health care, health care management, consumer issues, public policies, and familial relations.	(3)
FCS 432	Program Planning and Methodology in Human Services and Consumer Sciences Methods and procedures for planning, developing, and implementing programs in Human Services & Consumer Sciences. Three hours of lecture per week.	(3)
FCS 434	Occupational Programs Public Policy Planning and implementing programs in occupational family sciences. Study and evaluation of selected legislation and public policy related to family science and its impact of families. Three hours of lecture per week.	(3)
FCS 435	Communication: Family and Marriage Personal and professional growth and development through more effective communication within the family milieu and the marital unit. Three hours of lecture per week.	(3)
FCS 436	Family Resource Management Study of attitudes, concepts, skills, and understanding of consumers which contribute to their satisfaction in the choice of goods and services. Three hours of lecture per week. Prerequisite: HSCS 233.	(3)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
Composite Family and Consumer Sciences Concentration (Without Certification)
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Family & Consumer Sciences)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION
42 credits	EQUIVALENT	36 credits	42 credits	N/A
Communication:				
ENG 131 (3) **	ENGL 1301	HSCS 233 (2)	AD 131, AD 131L (3) OR AD 130, 130L (3)	
ENG 132 (3)	ENGL 1302	FCS 334 (3)	AD 435 (3)	
		FCS 335 (3)	CFDV 233 (3)	
Mathematics:				
MATH 133 (3)	MATH 1314	HSCS 430 (3)	CFDV 234 (3)	
Life and physical sciences:		FCS 431 (3)	CFDV 235, 235L (3)	
BIOL 143 (3)	BIOL 1308	FCS 432 (3)	CFDV 334 (3)	
GEOL 141 (3)	GEOL 1303	FCS 434 (3)	CFDV 433 (3)	
Language, philosophy, and culture:		FCS 435 (3)	CFDV 436 (3)	
ENG 2xx (3) ***		FCS 436 (3)	CT 131/CT 131L (3) or CT 130	
Creative arts:		FCS 441 (3) or FCS 437	CT 233/CT 233L (3)	
ART 131 (3)	ARTS 1316	FCS 438 (3)	FN 233 (3)	
American history:		FCS 439/ FCS 439L (3)	FN 253/FN 253L (3)	
HIST 231 (3)	HIST 1301		HED 477 (3)	
HIST 232 (3)	HIST 1302		SPED 309 or SPED 370 (3)	
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES AND CONSUMER SCIENCES
FAMILY AND CONSUMER SCIENCE COMPOSITE CONCENTRATION (without CERTIFICATION)
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133 College Algebra I	3	BIOL 143 Survey of Life Science	3	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	HSCS 233 Seminar in HSCS	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3	
	CT 131/131L Basic Clothing Concepts or CT 130 Clothing Behavior	3	CFDV 233 Family Relationships	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2xx Upper level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	POLS 235 American Government	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	GEOL 141 Intro to the Earth	3	POLS 236 Texas Government	3	
	CFDV 234 Survey of Early Childhood Dev	3	CS 116 Intro to Computer Science I	3	
	FN 233 Elementary Nutrition	3	AD 130/130L Environmental Design or AD 131/131L Introduction to Housing	3	
			CFDV 235 Interaction w/Children	3	
		15 hrs		18 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	AD 435 Interior Space & Equip Plan	3	FCS 431 Aging and Health Needs	3	
	CT 233 / CT 233L Textiles I	3	HED 477 Human Sexuality	3	
	FCS 334 Career Opportunities in FCS	3	CFDV 436 Parenting	3	
	CFDV 334 Pre-Adolescent Development	3	FCS 435 Communication: Family & Marriage	3	
	FCS 335 Principles of FCS	3	FN 253 / FN 253L Meal Management	3	
	SPED 309 Survey of Exceptional Ed I or SPED 370 Survey of Exceptional Ed II	3			
		18 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CFDV 433 Multicultural Strategies	3	FCS 437 or FCS 441 Capstone in FCS	3	
	FCS 432 Program Planning & Methodology	3	FCS 436 Consumer Resource Management	3	
	FCS 434 Occupational Program / Public Policy	3	FCS 439 / 439L Family & Consumer Serv.	3	
	FCS 438 Family and Consumer Economics	3	HSCS 430 Research Methods	3	
		12 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
FAMILY AND CONSUMER SCIENCES COMPOSITE CONCENTRATION (CERTIFICATION)
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Family & Consumer Sciences)	OTHER REQUIREMENTS	CERTIFICA- TION PRO- GRAM
42 credits	EQUIVALENT	21 credits	30 credits	27 credits
Communication:				
ENG 131 (3) **	ENGL 1301	HSCS 233 (3)	AD 131, AD 131L or AD 130, 130L (3)	EDCI 310 (3)
ENG 132 (3)	ENGL 1302	FCS 334 (3)	AD 435 (3)	EDCI 328 (3)
Mathematics:				
MATH 133 (3)	MATH 1314	FCS 431 (3)	CFDV 233 (3)	EDCI 339 (3)
		FCS 433 or FCS 440 (3)	CFDV 234 (3)	EDCI 340 (3)
Life and physical sciences:				
		FCS 436 (3)	CFDV 436 (3)	EDCI 350 (3)
BIOL 143 (3)	BIOL 1308	FCS 441 or FCS 437 (3)	CT 131, 131L or CT 130 (3)	EDCI 464 (6)
GEOL 141 (3)	GEOL 1303	FCS 438 (3)	FN 233 (3)	RDG 400 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***			FN 253, 253L (3)	RDG 401 (3)
			HED 477 (3)	
Creative arts:				
			SPED 309 or 370 (3)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310			
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	****			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, ENG 244, (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Not Equivalent to CS 116

**BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES AND CONSUMER SCIENCES
FAMILY AND CONSUMER SCIENCES COMPOSITE CONCENTRATION (CERTIFICATION)
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133 College Algebra I	3	BIOL 143/143L Survey of Life Science	3	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	HSCS 233 Seminar in HSCS	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3	
	CT 131/131L Basic Clothing Concepts or CT 130 Clothing Behavior	3	CFDV 233 Family Relationships	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2xx Upper level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	POLS 235 American Government	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	GEOL 141 Intro to the Earth	3	POLS 236 Texas Government	3	
	CFDV 234 Survey of Early Childhood Dev	3	EDCI 210 Instructional Technology	3	
	FN 233 Elementary Nutrition	3	AD 131/131L Introduction to Housing or AD 130/130L Environmental Design/Lab	3	
			FCS 334 Career Opportunities in FCS	3	
		15 hrs		18 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	AD 435 Interior Space & Equip Plan	3	CFDV 436 Parenting	3	
	FCS 431 Aging and Health Needs	3	HED 477 Human Sexuality	3	
	EDCI 310 Principles & Foundation of Ed	3	EDCI 328 Psy of Learning, Growth & Dev	3	
	EDCI 339 Classroom Management	3	EDCI 340 Instructional Technology II	3	
	FN 253/253L Meal Management	3	EDCI 350 Instructional Strategies	3	
	SPED 309 Survey of Exceptional Ed I or SPED 370 Survey of Exceptional Ed II	3			
		18 hrs		15hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FCS 440 Seminar of Human Development or FCS 433 Teaching FCS	3	FCS 441 Capstone in FCS or FCS 437 Capstone in FCS	3	
	FCS 436 Consumer Resource Management	3	FCS 438 Family and Consumer Economics	3	
	RDG 400 Middle School Reading	3	EDCI 464 Direct Student Teaching in H.S.	6	
	RDG 401 Reading for Diverse Populations	3			
		12 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
HUMAN DEVELOPMENT AND FAMILY STUDIES TRACK (WITH CERTIFICATION)
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Family & Consumer Sciences)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
42 credits	EQUIVALENT	27 credits	24 credits	27
Communication:				
ENG 131 (3) **	ENGL 1301	HSCS 233 (3)	CFDV 233 (3)	EDCI 310 (3)
ENG 132 (3)	ENGL 1302	FCS 334 (3)	CFDV 234 (3)	EDCI 328 (3)
Mathematics:				
MATH 133 (3)	MATH 1314	FCS 431 (3)	CFDV 235, 235L (3)	EDCI 339 (3)
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	FCS 434 (3)	FN 233 (3)	EDCI 464 (6)
GEOL 141 (3)	GEOL 1303	FCS 435 (3)	HED 477 (3)	RDG 400 (3)
Language, philosophy, and culture:				
ENG 2xx (3) ***		FCS 441 or FCS 437 (3)	SPED 309 or 370 (3)	RDG 401 (3)
Creative arts:				
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310			
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	****			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, ENG 244, (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Not Equivalent to CS 116

**BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES AND CONSUMER SCIENCES
HUMAN DEVELOPMENT & FAMILY STUDIES TRACK (WITH CERTIFICATION)
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133 College Algebra I	3	BIOL 143 Survey of Life Science	3	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	CFDV 233 Family Relationships	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3	
	HSCS 233 Seminar in HSCS	3	FN 233 Elementary Nutrition	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2xx Upper Level English	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	POLS 235 American Government	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	GEOL 141 Intro to the Earth	3	POLS 236 Texas Government	3	
	CFDV 234 Survey of Early Childhood Dev	3	EDCI 210 Instructional Technology	3	
	CFDV 235/235L Interaction w/ Young Child	3	CFDV 334 Pre-Adolescent Development	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	FCS 431 Aging and Health Needs	3	FCS 334 Career Opportunities in FCS	3	
	CFDV 436 Parenting	3	FCS 432 Program Planning & Methodology	3	
	EDCI 310 Principles & Foundation of Ed	3	EDCI 328 Psy of Learning, Growth & Dev.	3	
	EDCI 339 Classroom Management	3	EDCI 340 Instructional Technology II	3	
	HED 477 Human Sexuality	3	EDCI 350 Instructional Strategies	3	
	SPED 309 Survey of Exceptional Ed I or SPED 370 Survey of Exceptional Ed II				
		18 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FCS 433 Teaching FCS or FCS 440 Seminar in Human Development	3	FCS 441 Capstone in FCS or FCS 437 Capstone in FCS	3	
	FCS 435 Communication: Family & Marriage	3	FCS 434 Occupational Program / Public Policy	3	
	FCS 436 Consumer Resource Management	3	EDCI 464 Direct Student Teaching in H.S.	6	
	RDG 400 Middle School Reading	3			
	RDG 401 Reading for Diverse Populations	3			
		15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN DIETETICS
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Dietetics)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	47 credits	33 credits	N/A
Communication:				
ENG 131 (3) **	ENGL 1301	FN 111 (1)	BIOL 131 (3)	
ENG 132 (3)	ENGL 1302	FN 233 (3)	BIOL 132 (3)	
Mathematics:				
		FN 253 (1)	BIOL 245 (4)	
MATH 133 (3)	MATH 1314	FN 253L (2)	BIOL 347 (4)	
Life and physical sciences:				
		FN 333 (3)	CHEM 211, 231 (4)	
CHEM 131 (3)	CHEM 1311	FN 337 (3)	CHEM 343 (4)	
CHEM 132 (3)	CHEM 1312	FN 341 (3)	HSCS 233 (3)	
Language, philosophy, and culture:				
		FN 343 (4)	FCS 432 (3)	
ENG 2xx (3) ***		FN 428 (2)	HSCS 437 (3)	
Creative arts:				
		FN 430 (3)	CHEM 111 (1)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	FN 432 (3)	CHEM 112 (1)	
American history:				
		FN 433 (3)		
HIST 231 (3)	HIST 1301	FN 434 (1)		
HIST 232 (3)	HIST 1302	FN 434L (2)		
Government/political science:				
		FN 436 (3)		
POLS 235 (3)	GOVT 2305	FN 437 (3)		
POLS 236 (3)	GOVT 2306	FN 461 (3)		
Social and behavioral sciences:				
		FN 461L(3)		
SOC 238	ANTH 2346			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
***EDCI 210 (3)	***			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

** (N) represents the number of course credits.

*** Not Equivalent to CS116

**BACHELOR OF SCIENCE DEGREE IN DIETETICS
ACADEMY OF NUTRITION AND DIETETICS (AND) ACCREDITED
DEGREE PLAN - TOTAL CREDITS: 122**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	FN 111 Introduction to Dietetics	1	FN 253 Meal Management	1
			FN 253L Meal Management	2
	FN 233 Elementary Nutrition	3	CHEM 111 General Chemistry Lab	1
	HSCS 233 Seminar in HSCS	3	CHEM 131 General Chemistry I	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	MATH 133 College Algebra	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre	3
	16 hrs		16 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	SOC 238 Introduction to Anthropology	3
	ENG 2xx Upper level English	3	SC 135 Business & Professional Comm or SC 136 Public Address	3
	BIOL 131 Biological Science I	3	BIOL 132 Biological Science II	3
	CS 116 Intro to Computer Science I	3	POLS 236 Texas Government	3
	CHEM 112 General Chemistry Lab II	1	CHEM 211 Organic Chemistry Lab	1
	CHEM 132 General Chemistry II	3	CHEM 231 Organic Chemistry I	3
		16 hrs		16 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
	FN 341 Mgmt Principles of Food Svc Sys	4	FN 343 Junior Seminar in Dietetics	4
	BIOL 245 Human Anatomy & Physiology	4	FN 430 Special Topics in Dietetics and Foods and Foods and Nutrition	3
	CHEM 343 Biochemistry	4	BIOL 347 Microbiology	4
		15 hrs		14 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FN 428 Nutrition Counseling	2	FN 433 Medical Nutrition Therapy II	3
	FN 432 Medical Nutrition Therapy I	3	FN 436 Community Nutrition	3
	FN 434 Food Analysis and Research	1	FN 437 Capstone in Dietetics and Foods & Nutrition	3
	FN 434L Food Analysis and Research Lab FCS 432 Program Planning & Methodology	2 3	FN 461 Commercial Food Production	3
	HSCS 437 Statistics	3	FN 461L Commercial Food Production Lab	3
		14 hrs		15 hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES AND CONSUMER SCIENCES
FOOD AND NUTRITION CONCENTRATION
TOTAL CREDITS REQUIRED: 123**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Dietetics)	OTHER REQUIREMENTS	Minor or Concentration (Optional)
42 credits	EQUIVALENT	42 credits	39 credits	21 credits
Communication:				
ENG 131 (3) **	ENGL 1301	FN 111 (1)	AD 130, 130L (3) or	FN 233 (3)
ENG 132 (3)	ENGL 1302	FN 233 (3)	ART 370 or 371 (3)	FN 253 / 253L (3)
Mathematics:				
MATH 133 (3)	MATH 1314	FN 253 (1)	BIOL 131 (3)	FN 337 (3)
Life and physical sciences:				
CHEM 131 (3)	CHEM 1311	FN 253L (2)	BIOL 132 (3)	FN 341 / 341L (3)
CHEM 132 (3)	CHEM 1312	FN 333 (3)	CFDV 233 (3)	FN 434 / 434L (3)
CHEM 131 (3)	CHEM 1311	FN 337 (3)	CHEM 211, 231 (4)	FN 461 / 461L (6)
CHEM 132 (3)	CHEM 1312	FN 341 (3)	HSCS 233 (3)	
Language, philosophy, and culture:				
ENG 2xx (3) ***	ENGL 2332 or ENGL 2333 ENGL 2328	FN 343 (4)	HSCS 430 (3)	
Creative arts:				
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	FN 430 (3)	FCS 436 (3)	
American history:				
HIST 231 (3)	HIST 1301	FN 432 (3)	Restricted Elec- tives (6)	
HIST 232 (3)	HIST 1302	FN 433 (3)	CHEM 111 (1)	
Government/political science:				
POLS 235 (3)	GOVT 2305	FN 434 (3)	CHEM 112 (1)	
POLS 236 (3)	GOVT 2306	FN 434L (2)		
Social and behavioral sciences:				
SOC 238 (3)	ANTH 2346	FN 437 (3)		
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	FN 461 (3)		
CS 116 (3)	COSC 1301	FN 461L (3)		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. Students should also note that major courses are offered in a rotational cycle and course sequences are followed.

** ENG 230, ENG 231 or ENG 235

**BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES AND CONSUMER SCIENCES
FOOD AND NUTRITION CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 123**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	FN 111 Introduction to Dietetics	1	FN 253 Meal Management/ FN 253L Meal Management	1 2
	FN 233 Elementary Nutrition	3	CHEM 111 General Chemistry Lab	1
	SC 135 Business & Professional Communication or SC 136 Public Address	3	CHEM 131 General Chemistry I	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	MATH 133 College Algebra	3	MUSI 239 Fine Arts in Daily Living or THC 130 Introduction to Theatre	3
	16 hrs		16 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	FN 333 Diet Therapy for Health Professionals	3	FN 337 Human Nutrition	3
	CS 116 Intro to Computer Science I	3	ENG 2xx Upper Level English	3
	SOC 238 Introduction to Anthropology	3	BIOL 131 Biological Science I	3
	POLS 235 National Government	3	POLS 236 Texas Government	3
	CHEM 112 General Chemistry Lab II	1	CHEM 211 Organic Chemistry Lab	1
	CHEM 132 General Chemistry II	3	CHEM 231 Organic Chemistry I	3
	16 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	FN 341 Mgmt Principles of Food Svc Sys	4	FN 343 Junior Seminar in Dietetics	4
	BIOL 132 Biological Science II	3	FN 441 Organization Mgmt of Food Svc Sys	4
	AD 130/130L Environmental Design or ART 370 Studies in Art I	3	CT 130 Clothing Behavior	3
	HSCS Seminar in HSCS	3	CFDV 233 Family Relationships	3
		13 hrs		14 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FN 432 Medical Nutrition Therapy I	3	FN 433 Medical Nutrition Therapy II	3
	FN 434 Food Analysis and Research FN 434L Food Analysis and Research Lab	1	HSCS 437 Capstone in Dietetics and Food and Nutrition or FN 413 and FN 427	3
	HSCS 430 Research in HSCS			
	FCS 436 Family Resource Management	3	FN 461L Commercial Food Production Lab	3
	Elective	3	Elective	3
	15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES and CONSUMER SCIENCES
CHILD AND FAMILY DEVELOPMENT CONCENTRATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR	OTHER REQUIREMENTS	MINOR or CONCENTRATION
42 credits	EQUIVALENT	39credits	40 credits	N/A
Communication:		CFDV 233 (3)	AD 130/130L or AD 131 (3)	
ENG 131 (3) **	ENGL 1301	CFDV 234 (3)	CT 130 or CT 131 (3)	
ENG 132 (3)	ENGL 1302	CFDV 235/235L (3)	FN 233 (3)	
Mathematics:		CFDV 331 (3)	HSCS 233 (3)	
MATH 133 (3)	MATH 1314	CFDV 332 (3)	HSCS 430 (3)	
Life and physical sciences:		CFDV 333 (3)	FCS 436 (3)	
BIO 143 (3)	BIOL 1308	CFDV 334 (3)	MATH 134 (3)	
GEOL 141 (3)	GEOL 1303	CFDV 431 (3)	MUSI 339 or 347 (3)	
Language, philosophy, and culture:		CFDV 432 (3)	SPAN 131 or FR 131 (3)	
ENG 2xx (3) ***		CFDV 433 (3)	SPED 309 (3)	
Creative arts:		CFDV 434 (3)	CFDV 437 (3)	
MUSC 239 or THEA 130 (3)	HUMA 1315 or DRAM 1310	CFDV 435 (3)	3xx or 4xx level Electives	
American history:		CFDV 436 (3)		
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157 (3)	PSYC 2301 or SOCI 1301			
Institutional Options:				
SC 135 (3) or SC136 (3)	SPCH 1321 or SPCH 1315			
CS116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN
HUMAN SERVICES & CONSUMER SCIENCES
CHILD AND FAMILY DEVELOPMENT CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	MATH 134 Plane Trig	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	HSCS 233 Seminar in HSCS	3	BIOL 143 Survey of Life Science	4
	SC 135 Bus. & Prof. Communicaitaion or SC 136 Public Address	3	CFDV 233 Family Relationships	3
		12 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2xx	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3
	AD 130/130L Environmental Design/Lab	3	PSY 131 GEN PSY or SOC 157 Intro to Sociology (PSY 2301 or SOCI 1301)	3
	CFDV 234 Survey of Early Childhood Dev	3	CFDV 235/235L Interaction w/Young Children	3
	GEOL 141 Intro to the Earth	4	CS 116 Intro to Computer Science I	3
	FN 233 Elementary Nutrition	3	CT 130/130L Clothing Behavior	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	POLS 235 American Government	3	POLS 236 Texas Government	3
	CFDV 331 Methods/Assessment of Young Children	3	CFDV 333 Methods & Procedures in Ear- ly Childhood Development	3
	CFDV 332 Children's Play: Role and Development	3	CFDV 334 Pre-Adolescent & Adolescent Development	3
	SPED 309 Survey of Exceptional Ed I	3	CFDV 432 Children's Literature	3
	SPAN 131 Elementary Spanish I or FR 131 Elementary French I	3	MUSI 347 Basic Music Procedures	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CFDV 435 Child Nutrition	3	CFDV 434 Practicum I	3
	CFDV 431 Theories in Child Development	3	CFDV 436 Parenting	3
	CFDV 433 Multicultural Strategies	3	CFDV 437 Capstone in CFDV	3
	FCS 436 Family Resource Management	3	HSCS 430 Research in HCS	3
	Elective	4	Elective	3
		16 hrs		15 hrs

DEPARTMENT OF MUSIC

The primary mission of the Department of Music is to educate students through activities culminating in the creation, performance and promotion of music. In creating, performing and promoting music, the department involves, serves, educates and enriches the TSU community and residents throughout the region; and particularly, provides music students opportunities to develop their skills as performers and teachers. The Department is a professional, accessible and reliable department that presents creative, innovative and exciting performances and educational opportunities of the highest quality.

Requirements for the B.A. degree in Music, students may select from four curriculum concentrations of study: Performance, Jazz Studies, Teacher Certification and Composition. Students may also select to complete a minor in an area outside of music in addition to the 62 credit hours in the music core. Members of the Department and the departmental facilities area housed in the Rollins-Stewart Music Center and Rhinehart Music Auditorium. The Department office is located on the first floor of the Rollins-Stewart Music Center in Room 112. **All courses designated as either major or minor courses must be completed with grades of “C” or better, where grades of “C-” are unacceptable.** In considering requirements for one of the bachelor’s degrees, or one of the five minors, students must first be admitted by the University, must satisfy Texas Success Initiative (TSI) requirements and petition the Department for admission as TSI requirements are completed. Students must also complete preliminary requirements established by the Department for majors. Further admission and graduation requirements for the Department are considered below. An exit examination is required of all graduating seniors.

Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in Music, 21 semester credit hours are required through enrollment in the following: Music 100 (0 credit), Music 141 (2 credits) after successfully passing a placement test, Music 146 (1 credit), Music 142 (2 credits), Music 147 (1 credit), 4 applied music credits or class lab credits (4 credits total), 2 music ensemble courses (2 credits total) and 9 upper level elective credits in Music or Musa one of which must be Music 337 or Music 338. The minimum grade requirement for each course designated is referenced above. Students who minor in Music are required to take Music 239 as their university core humanities elective.

For the minor in Jazz Studies, 22 semester credit hours are required through enrollment in fourteen (14) credit hours in required jazz courses, which include Music 141 (2 credits) and Music 146 (1 credit) Music 253 (3 credits), Music 343 (3 credit), Music 228 (2 credits), Music UJ (for 2 total credits), MUSA 111 (1 credit), and in eight (8) credit hours in approved electives, which must include Music 142 (2 credits), and Music 147 (1 credit), Music 229 (2 credits), Music 480 (3 credits), one additional ensemble course per semester, one additional applied music course per semester, and approved electives as determined by a jazz studies committee that considers the student’s abilities, career goals, and objectives as related to the performing arts. Any courses that apply toward a student’s major requirements in the Fine Arts cannot be used to fulfill these minor requirements. The minor in Jazz Studies is open both to music majors and to non-music majors who qualify by audition.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview through the Department Office. At the time of interview, students are asked to perform an audition as part of the procedure for admission to the Department. Once admitted, students are each assigned a faculty advisor for continuous advisement and schedule approval up to the time of graduation. At the beginning of the senior year, students must meet the approval of a panel of faculty members prior to enrollment in courses related to final projects such as recitals and performances. Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status.

Nine performing groups at the University are sponsored and coordinated through the Department of Music and require that participating students enroll for elective credit. These groups are the: University Marching Band, University Concert Band, Jazz Combo, Jazz Big Band, Latin Jazz, Vocal Jazz, University Choir, Concert Choir, and the Opera Workshop. Interested students should contact the Department Office for additional information.

In summary, interested students must first gain admission to the University, must meet their TSI responsibility, and must adhere to admission and graduation requirements specified in this section. Students are each assigned an official advisor and provided with extensive advisement upon admission to the Department to ensure proper progression toward graduation. An exit examination is required of graduating seniors. For additional information, students should contact the Department Office at (713)313-7337.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Adams, Daniel Professor, Graduate Studies Coordinator B.M., Louisiana State University M.M., University of Miami D.M.A., University of Illinois at Urbana-Champaign</p>	<p>Mack, Dianne Associate Professor, Teacher Certification Coordinator B.S., Dalhousie University M.M. Ed., University of Missouri Ph.D., University of Missouri</p>
<p>Belfield, Roy Associate Professor, Choir Director B.A., Morehouse College M.M., Florida State University M. M.Ed. Florida State University D.M.A. University of Missouri-Kansas City Conservatory of Music</p>	<p>Oby, Jason Professor, Interim Department Chairman B.M., M.M., Manhattan School of Music D.M., Florida State University</p>
<p>Butler, Benjamin Jr., II Associate Professor B.S., Tennessee State University M.M., University of Michigan</p>	<p>Perkyns, Jane Associate Professor, Piano Coordinator B.M., Dalhousie University M.M., The Julliard School D.M.A., University of British Columbia</p>
<p>Gibson, Clarence Instructor, Assistant Band Director B.M.E., Alcorn State University M.M.E., University of Southern Mississippi</p>	<p>Thomas, Fennoyce Professor B.M., M.M., D.M.A., University of Colorado</p>
<p>Harris, Howard C. Professor B.S., Southern University M.M.Ed., Louisiana State University</p>	<p>Singleton, Darryl M. Instructor, Associate Band Director B. M.E. Howard University M.M. Florida State</p>
<p>Lee, Richard Associate Professor, Director of Bands B.M.Ed., Texas Southern University M.M., Colorado State University</p>	<p>Young, Horace A. Visiting Instructor, Interim Director of Jazz Studies B.M., Texas Southern University M.A. Washington State University</p>
	<p>Zidaru, Lucian Associate Professor of Piano B.M., George Enescu Conservatory - Iasi, Romania M.M. Southeastern Louisiana University D.M.A. Louisiana State University</p>

MUSIC COURSES

MUSI 100	Seminar I Laboratory in music listening and music performance for music majors and minors. May be repeated for up to three semester credits earned. During freshman and sophomore years of enrollment, counted as 0 credit; during junior and senior years of enrollment, counted as 1 semester credit. One hour of lecture per week.	(0-1)
MUSI 131	Introduction to Music Introduction to the elements of music listening and basic music notation for non-music majors. Three hours of lecture per week. Listed as MUSI 1301 in the Texas Common Course Numbering System.	(3)
MUSI 132	Introduction to Computer Music Introductory survey of computers and computer peripherals as used in various musical disciplines, including the fundamentals of computer literacy and music software applications. Three hours of lecture per week. Prerequisite: MUSI 131 or consent of the instructor. Listed as MUSI 1302 in the Texas Common Course Numbering System.	(3)
MUSI 136	Music Appreciation Understanding traditional Western Classical music through study of the cultural periods, major composers and their works. A brief overview of musical styles from other world cultures will also be included. Illustrations of music examples will be presented through recordings, in-class performances and outside concert events. Three hours of lecture per week.	(3)
MUSI 141	Theory I Music theory, including basic musicianship, written and keyboard diatonic harmony, and harmonic analysis. Three hours of lecture per week. Prerequisite: MUSI 131 or passage of Theory Placement Exam. Corequisite: MUSI 146. Listed as MUSI 1211 in the Texas Common Course Numbering System.	(2)
MUSI 142	Theory II Continuation of MUSI 141. Three hours of lecture per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 147. Listed as MUSI 1212 in the Texas Common Course Numbering System.	(2)
MUSI 146	Ear Training and Sight Singing I An aural skills course, to be taken concurrently with music theory. Includes ear training, sight singing and dictation. One hour of lecture and one hour of laboratory per week. Corequisite: MUSI 141. Listed as MUSI 1116 in the Texas Common Course Numbering System.	(1)
MUSI 147	Ear Training and Sight Singing II Continuation of MUSI 146, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 142. Listed as MUSI 1117 in the Texas Common Course Numbering System.	(1)
MUSI 150	Composition I Individual or class instruction in the techniques of vocal, instrumental, and electronic music composition in various styles. One hour of lecture/private lessons per week. Prerequisite: Consent of the instructor. Listed as MUSI 1386 in the Texas Common Course Numbering System.	(2)
MUSI 151	Composition II Continuation of MUSI 150. One hour of lecture/private lessons per week. Prerequisite: MUSI 150. Listed as MUSI 2386 in the Texas Common Course Numbering System.	(2)
MUSI 171	Class Piano I Study of keyboard functional skills such as harmonization, sight reading, improvisation, and transposition and how they relate to general musicianship. May be substituted for MUSA 111 when specified. Two hours of laboratory per week. Listed as MUSI 1181 in the Texas Common Course Numbering System.	(1)

MUSI 172	Class Piano II Continuation of MUSI 171. May be substituted for MUSA 112 when specified. Two hours of laboratory per week. Prerequisite: MUSI 171. Listed as MUSI 1182 in the Texas Common Course Numbering System.	(1)
MUSI 173	Voice Class I Class instruction in the fundamentals of tone production, breathing, and diction. Includes an introduction to vocal literature from the standard repertoire Two hours of laboratory per week. Listed as MUSI 1183 in the Texas Common Course Numbering System.	(1)
MUSI 174	Voice Class II Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. Listed as MUSI 1184 in the Texas Common Course Numbering System.	(1)
MUSI 223	Brass and Percussion Practical performance course for majors, including principles of intonation, fingering, breathing, embouchure, transposition, sticking, and rudiments. Elementary proficiency on brass and percussion instruments taught. Offered during the spring semester only. One hour of lecture and one hour of laboratory per week.	(2)
MUSI 224	Woodwind Instruments Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. Offered during the fall semester only. One hour of lecture and one hour of laboratory per week.	(2)
MUSI 225	String Instruments Instruction in performing, teaching, and scoring for violin, viola, cello, and string bass. Organization, program planning, and terminology emphasized. One hour of lecture and one hour of laboratory per week.	(2)
MUSI 228	Jazz Improvisation I Basic techniques of improvisation of various styles, historical developments, and contributions. Two hours of lecture per week. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.	(2)
MUSI 229	Jazz Improvisation II Continuation of MUSI 228. Prerequisite: MUSI 228.	(2)
MUSI 239	Fine Arts in Daily Living Study of visual art, music, drama, and dance with emphasis on the interrelationship and common elements of these artforms and the contributions of selected artists. Three hours of lecture per week. Listed as HUMA 1301 in the Texas Common Course Numbering System.	(3)
MUSI 241	Theory III Continuation of MUSI 141 and MUSI 142, including advanced chromatic harmony, analysis, and the expression of musical ideas in form. Three hours of lecture and per week. Prerequisites: MUSI 142 and MUSI 147. Corequisite: MUSI 246. Listed as MUSI 2211 in the Texas Common Course Numbering System.	(2)
MUSI 242	Theory IV Continuation of MUSI 241. Three hours of lecture per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 247. Listed as MUSI 2212 in the Texas Common Course Numbering System.	(2)
MUSI 246	Ear Training and Sight Singing III Continuation of MUSI 147, with greater complexity in rhythms and chromatic harmony, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 142 and MUSI 147. Corequisite: MUSI 241. Listed as MUSI 2116 in the Texas Common Course Numbering System.	(1)

MUSI 247	Ear Training and Sight Singing IV Continuation of MUSI 246, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 242. Listed as MUSI 2117 in the Texas Common Course Numbering System.	(1)
MUSI 250	Composition III Continuation of the integrated course begun in MUSI 150, MUSI 151, and MUSI 152. Two hours of lecture/private lessons per week. Prerequisites: MUSI 150, MUSI 151, and MUSI 152. Listed as MUSI 2186 in the Texas Common Course Numbering System.	(2)
MUSI 251	Composition IV Continuation of MUSI 250. Two hours of lecture/private lessons per week. Prerequisite: MUSI 250. Listed as MUSI 2187 in the Texas Common Course Numbering System.	(2)
MUSI 253	Jazz Theory I Identification and application of basic harmonic, melodic and rhythmic elements. Required of jazz majors and minors. Open to all music majors as an elective. Prerequisite: MUSI 141 and MUSI 146 or consent of instructor.	(3)
MUSI 254	Jazz Theory II Composition study and analysis with application of advanced harmonic and rhythmic formats along with production of original student works. Prerequisite: MUSI 253.	(3)
MUSI 271	Class Piano III Continuation of MUSI 172. May be substituted for MUSA 211 when specified. Two hours laboratory per week. Prerequisite: MUSI 172. Listed as MUSI 2181 in the Texas Common Course Numbering System.	(3)
MUSI 272	Class Piano IV Continuation of MUSI 271. May be substituted for MUSA 212 when specified. Two hours of laboratory per week. Prerequisite: MUSI 271. Listed as MUSI 2182 in the Texas Common Course Numbering System.	(3)
MUSI 300	Junior Recital Solo recital required of students pursuing the B.A. in Music, Applied Performance Specialty. Must be taken concurrently with appropriate Applied Music course.	(0)
MUSI 322	Diction for Singers Application of vocal pronunciation and techniques of Italian, German, French, and English songs. Three hours of lecture per week. Offered during the fall semester only.	(3)
MUSI 325	Song Literature Study of the evolution of solo singing and the art of song, as well as song repertoire for all voice classifications. Three hours of lecture per week. Offered during the spring semester only.	(3)
MUSI 328	Instrumental Techniques Study of instrumental literature, management, rehearsal techniques, and problems of instrumental care and maintenance. Offered during the fall semester only. Two hours of lecture per week.	(2)
MUSI 329	Fundamentals of Music Techniques Study of music the concepts and principles of teaching and learning for elementary music classrooms. Includes exploration of traditional and contemporary methods of teaching. Offered during the fall semester only. Three hours of lecture per week.	(3)

MUSI 331	<p>Counterpoint (3)</p> <p>Study of tonal counterpoint in two, three, and four voices; analysis and composition of 18th century polyphony with emphasis on canon, invention, and fugue. Three hours of lecture per week. Offered during the fall semester only. Prerequisite: MUSI 242.</p>
MUSI 333	<p>Form and Analysis (3)</p> <p>Study of small and large musical forms in a tonal context with emphasis on binary, ternary, sonata-allegro, rondo forms, concerto, and variation procedures. Three hours of lecture per week. Offered during the spring semester only. Prerequisite: MUSI 242.</p>
MUSI 334	<p>Advanced Music Theory (3)</p> <p>Introduction to 20th century theoretical concepts and stylistic trends, including impressionism, serialism, indeterminacy, minimalism, neo-Classicism, and neo-Romanticism. Emphasis placed on score analysis, composition assignments, and listening activities. Three hours of lecture per week. Prerequisite: MUSI 242.</p>
MUSI 335	<p>Orchestration (3)</p> <p>Practical study of writing and arranging for the orchestral instruments as well as score reading and analysis of effects heard in extensive orchestral recordings. Three hours of lecture per week. Prerequisite: MUSI 242.</p>
MUSI 336	<p>Advanced Jazz Improvisation (2)</p> <p>Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop to contemporary.</p>
MUSI 337	<p>History of Music I (3)</p> <p>Comprehensive study of the historical periods in music from antiquity to the present. Listening, analysis, and research activities included. Four hours of lecture per week. Offered during the fall semester only. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.</p>
MUSI 338	<p>History of Music II (3)</p> <p>Continuation of MUSI 337. Four hours of lecture per week. Offered during the spring semester only. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.</p>
MUSI 339	<p>Music for Young Children (3)</p> <p>Fundamental principles, methods, and materials of music for nursery and primary children with emphasis on contemporary and traditional methods for ages three through eight. Three hours of lecture per week.</p>
MUSI 343	<p>Jazz History (3)</p> <p>A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.</p>
MUSI 347	<p>Basic Music Procedures (3)</p> <p>Exploration of the fundamentals of music through singing, listening, movement, and instrumental play.. Emphasis on creative music and movement activities for elementary school children. Three hours of lecture per week.</p>
MUSI 350	<p>Composition V (2)</p> <p>Continuation of MUSI 251. One hour of lecture/private lessons per week. Prerequisite: MUSI 251.</p>
MUSI 351	<p>Composition VI (2)</p> <p>Continuation of MUSI 350. One hour of lecture/private lessons per week. Prerequisite: MUSI 350. Offered as needed.</p>
MUSI 355	<p>Jazz Arranging (3)</p> <p>Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.</p>

MUSI 400	Senior Recital Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.	(0)
MUSI 401	Capstone Seminar in Music Directed research, reading, and discussion to integrate historical, stylistic, and theoretical concepts acquired throughout the major. The EXIT examination will be administered in this course.	(3)
MUSI 431	Conducting Fundamentals Fundamentals of choral and instrumental conducting, stylistic interpretation, terminology, instrumental transposition, score reading, and rehearsal skins. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
MUSI 435	Seminar in Music Studies Study of the classroom organization, materials, and teaching strategies for secondary school music education. Offered during the spring semester only. Three hours of lecture per week.	(3)
MUSI 439	Piano-Voice Pedagogy Study and examination of the process of teaching voice and piano with emphasis on technique, style and specific literature for each instrument. Standard practices and modalities will also be reviewed. Offered during the fall semester only. Two hours of lecture per week.	(2)
MUSI 480	Business of Music A study of contracts, copyrights, and marketing for the career musical artist. Required of Jazz Studies music majors. Open to all students as an elective.	(3)
MUSI 481	Modern Music Critical examination and analysis of selected works of representative modern composers. Open to both undergraduate and graduate students. Offered during the fall semester only. Three hours of lecture per week.	(3)
MUSI CC	Concert Choir An organization of specially selected singers performing major concerts on and off campus. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	(1)
MUSI OW	Opera Workshop A small musical ensemble performing operatic repertoire on and off campus. Membership based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor. Listed as MUSI 1157 and MUSI 1158 in the Texas Common Course Numbering System.	(1)
MUSI UB	University Band A musical ensemble required of all majors and open to all university students based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	(1)
MUSI UC	University Choir A music choral laboratory, required of majors and open to all university students, performing a wide range of standard, sacred, and secular repertoire. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.	(1)
MUSI JEC	University Jazz Ensemble Combo Performing jazz compositions from the bebop era through the contemporary. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	(1)
MUSI JBB	University Jazz Ensemble Big Band Performing original and standard charts from the Big Band Era, through contemporary styles. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.	(1)

- MUSI VJE** **University Vocal Jazz Ensemble** **(1)**
Performing jazz compositions and arrangements for voices. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
- MUSI LJE** **University Latin Jazz Ensemble** **(1)**
Performing Latin Jazz arrangements, covering traditional and contemporary materials. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
- MUSI UO** **University Chamber Orchestra** **(1)**
An instrumental ensemble open to music majors and all university students based on audition. Performs “Classical,” “Sacred,” and “Jazz” musical genres. Two hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC (WITH MINOR)
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	MINOR REQUIRE- MENTS
42 credits	EQUIVALENT	45 credits	14 credits	21 credits
Communication:		MUSI 100 (1)	PE 1xx (1)	Contact department of choice after being admitted as a Music Major and being advised by the major advisor
ENG 131 (3) **	ENGL 1301	MUSI 141 (2)	Foreign Language (3)	
ENG 132 (3)	ENGL 1302	MUSI 146 (1) MUSI 142 (2)	MUSI 132 (3) MUSI 401 (3)	
Mathematics:			Music Electives (4)	
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 147 (1)	OR	
Life and physical sciences:		MUSI 171 (1)	MUSI 223 (2)	
BIOL 143 (3)	BIOL 1308	MUSI 241 (2)	MUSI 224 (2)	
Science elective (3)***		MUSI 246 (1)	MUSI 225 (2)	
Language, philosophy, and culture:		MUSI 242 (2)	MUSI 328 (2)	
ENG 2xx (3) ****		MUSI 247 (1)	MUSI 329 (3)	
Creative arts:		MUSI 331 or MUSI 439 (3)	MUSI 435 (3)	
MUSIC 136	MUSIC 1306	MUSI 333 (3)	MUSI 132 (3)	
American history:		MUSI 335 or MUSI 322 (3)		
HIST 231 (3)	HIST 1301	MUSI 337 (3)		
HIST 232 (3)	HIST 1302	MUSI 338 (3)		
Government/political science:		MUSI 400 (0)		
POLS 235 (3)	GOVT 2305	MUSI 431 (3)		
POLS 236 (3)	GOVT 2306	MUSI Ensemble (5)		
Social and behavioral sciences:		plus		
Social and Behavior Science elective (3)*****		Approved applied instrument (MUSA) (8): (7) in the major		
Institutional Options:		instrument and 212K		
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311 or FREN 1311 or CHIN 1311	secondary piano or		
Select one course from the African American Studies Option		411K for voice majors		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

***Science Elective must be selected from one of the TSU Core Curriculum approved options

**** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

***** SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132; PSY 131

*****Institutional Option elective must be selected from the African American Studies or Communication and Foreign Language Categories

**BACHELOR OF ARTS IN MUSIC (WITH MINOR)
FOUR YEAR DEGREE PLAN - TOTAL CREDITS: 125**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 141 Theory I	2	Music 142 Theory II	2	
	Music 146 E.T./S.S. I	1	Music 147 E.T./S.S II	1	
	MUSA 121 Major Applied	1	MUSA 122 Major Applied	1	
	Music 171 Class Piano	1	Ensemble	1	
	Ensemble	1	Music 132 Intro to Computer Music	3	
	*Social/Behavioral Science elective	3	BIOL 143 Survey of Life Science	3	
	MATH 1332; 1314; 1324; or 2312	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3			
	15 hrs		14 hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 241 Theory III	2	Music 242 Theory IV	2	
	Music 246 E.T./S.S. III	1	Music 247 E.T./S.S. IV	1	
	MUSA 221 Major Applied	1	MUSA 222 Major Applied	1	
	Ensemble	1	Ensemble	1	
	SPAN 131 Elementary Spanish I or FR 131 Elementary French I or CHNS 131 Elementary Chinese I	3	Music 136 Music Appreciation	3	
	ENG 2XX	3	PE 1XX	1	
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States since 1877	3	
	** African American Studies option	3	***Science Option	3	
	17hrs		15 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 331 Counterpoint OR Music 439 Voice/Piano Pedagogy	3	Music 333 Form and Analysis	3	
	Music 337 Music History I	3	Music 338 Music History II	3	
	MUSA 321 Major Applied	1	MUSA 322 Major Applied	1	
	Ensemble	1	POLS 236 Texas Government	3	
	POLS 235 American Government	3	Minor	3	
	Minor	3	Minor	3	
	Music Elective	2			
	16 hrs		16 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Music 100 Seminar	1	MUSA 212K/ 411K Secondary Piano	1	
	Music 335 Orchestration OR Music 322 Diction for Singers	3	Music 431 Conducting	3	
	MUSA 421 Major Applied	1	Music 401 Capstone	3	
	Music Elective	2	Minor	3	
	Foreign Language	3	Minor	3	
	Minor	3			
	Minor	3			
	Music 400 Senior Recital	0			
	16 hrs		13 hrs		

* ECON 231; ECON 232; SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132 or PSY 131

** Select one course from the African American Studies Category

***Science Elective must be selected from one of the TSU Core Curriculum approved options

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC WITH TEACHER CERTIFICATION
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM (STANDARD)	TCCNS EQUIVALENT	MAJOR (MUSIC)	CERTIFICATION CORE	CERTIFICATION REQUIREMENTS
42 credits		45 credits	20 credits	21 credits
Communication:		MUSI 100 (1)	MUSI 223 (2)	Enroll in
ENG 131 (3)**	ENGL 1301	MUSI 141 (2)	MUSI 224 (2)	College of Education
ENG 132 (3)	ENGL 1302	MUSI 146 (1)	MUSI 225 (2)	certification program
Mathematics:		MUSI 142 (2)	MUSI 328 (2)	
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 147 (1)	MUSI 329 (3)	
Life and physical sciences:		MUSI 171 (1)	MUSI 435 (3)	EDCI 310 (3)
BIOL 143 (3)	BIOL 1308	MUSI 241 (2)	MUSI 401 (3)	EDCI 339 (3)
Science elective (3)***		MUSI 246 (1)	MUSI 132 (3)	EDCI 328 (3)
Language, philosophy, and culture:		MUSI 242 (2)		EDCI 350 (3)
ENG 23X (3) ****		MUSI 247 (1)		EDCI 468 (6)
Creative arts:		MUSI 331 or MUSI 439 (3)		RDG 401 (3)
MUSI 136	MUSIC 1306	MUSI 333 (3)		
American history:		MUSI 335 or MUSI 322 (3)		
HIST 231 (3)	HIST 1301	MUSI 337 (3)		
HIST 232 (3)	HIST 1302	MUSI 338 (3)		
Government/political science:		MUSI 400 (0)		
POLS 235 (3)	GOVT 2305	MUSI 431 (3)		
POLS 236 (3)	GOVT 2306	MUSI Ensemble (5)		
Social and behavioral sciences:		plus		
PSY 131 (3)	PSYC 2301	Approved applied instrument (MUSA) (8): (7) in the major		
Institutional Options:		instrument (1) in MUSA 411K)		
EDCI 210 (3)	COSC 1301			
Select one course from the African American Studies Option (3)				

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

***Science Elective must be selected from one of the TSU Core Curriculum approved options

**** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS IN MUSIC
WITH TEACHER CERTIFICATION
DEGREE PLAN - TOTAL CREDITS: 128**

FIRST SEMESTER		SECOND SEMESTER		
First Year	Music 100 Seminar	0	Music 100 Seminar	0
	Music 136 Music Appreciation	3	Music 142 Theory II	2
	Music 141 Theory I	2	Music 147 E.T./S.S II	1
	Music 146 E.T./S.S. I	1	MUSA 122 Major Applied	1
	MUSA 121 Major Applied	1	Ensemble	1
	Music 171 Class Piano	1	Music 132 Intro to Computer Music	3
	Ensemble	1	BIOL 143 Survey of Life Science	3
	MATH 1332; 1314; 1324; or 2312	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3		
	15 hrs		14 hrs	
THIRD SEMESTER		FOURTH SEMESTER		
Second Year	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241 Theory III	2	Music 242 Theory IV	2
	Music 246 E.T./S.S. III	1	Music 247 E.T./S.S. IV	1
	MUSA 221 Major Applied	1	MUSA 222 Major Applied	1
	Ensemble	1	Ensemble	1
	Music 224 Woodwind Instruments	2	Music 223 Brass and Percussion	2
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and political History of the United States since 1877	3
	ENG 23X	3	POLS 235 American Government	3
	*Science Option	3	**African American Studies Option	3
	16 hrs		16 hrs	
FIFTH SEMESTER		SIXTH SEMESTER		
Third Year	Music 100 Seminar	0	Music 100 Seminar	0
	MUSA 321 Major Applied	1	MUSA 322 Major Applied	1
	Ensemble	1	Music 225 String Instruments	2
	Music 337 Music History I	3	Music 338 Music History II	3
	Music 335 Orchestration OR		Music 328 Instrumental Techniques	2
	Music 322 Diction for Singers	3	Music 333 Form and Analysis	3
	POLS 236 Texas Government	3	RDG 401 Diverse Population	3
	PSY 131 General Psychology	3		
EDCI 210 Instructional Technology I	3			
	17 hrs		14 hrs	
SEVENTH SEMESTER		EIGHTH SEMESTER		
Fourth Year	Music 100 Music Seminar	1	Music 431 Conducting	3
	MUSA 421 Major Applied	1	Music 435 Seminar in Music Studies	3
	Music 329 Fund. of Mus. Techniques	3	MUSA 411K Piano Proficiency	1
	EDCI 310 Princip. and Found. of Education	3	EDCI328 Psy. of Learning, Growth & Development	3
	EDCI 339 Classroom Management	3	EDCI 350 Effective Instructional Strategies	3
	Music 331 Counterpoint OR Music 439 Voice/Piano Pedagogy	3		
	Music 400 Senior Recital	0		
	14 hrs		13 hrs	

Fifth Year		NINTH SEMESTER		
		EDCI 468 Clinical Practice	6	
Music 401 Capstone	3			
Complete certification requirements				
	9 hrs			

* Science Option must be selected from one of the TSU Core Curriculum approved options

** Select one course from African American Studies Category

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC (PERFORMANCE or COMPOSITION)
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
42 credits	EQUIVALENT	45 credits	17 credits	18 credits
Communication:		MUSI 100 (1)	PE 1xx (1)	Select one of the
ENG 131 (3) **	ENGL 1301	MUSI 141 (2)	Foreign Language (6)	following sets:
ENG 132 (3)	ENGL 1302	MUSI 146 (1)	MUSI 132 (3)	Applied
Mathematics:		MUSI 142 (2)	MUSI 401 (3)	Performance
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 147 (1)	Music Electives (7)	Approved MUSA,
Life and physical sciences:		MUSI 171 (1)		Ensemble, or
BIOL 143 (3)	BIOL 1308	MUSI 241 (2)		upper level music
Science elective (3)***		MUSI 246 (1)		Electives (18)
Language, philosophy, and culture:		MUSI 242 (2)		
ENG 2xx (3) ****		MUSI 247 (1)		Composition
Creative arts:		MUSI 300 (0)		MUSI 150 (2)
MUSIC 136	MUSIC 1306	MUSI 331 (3)		MUSI 151 (2)
American history:		MUSI 333 (3)		MUSI 250 (2)
HIST 231 (3)	HIST 1301	MUSI 335 (3)		MUSI 251 (2)
HIST 232 (3)	HIST 1302	MUSI 337 (3)		MUSI 350 (2)
Government/political science:		MUSI 338 (3)		MUSI 351 (2)
POLS 235 (3)	GOVT 2305	MUSI 400 (0)		Approved upper
POLS 236 (3)	GOVT 2306	MUSI 431 (3)		level MUSI
Social and behavioral sciences:		MUSI Ensembles (5)		electives (6)
Social and Behavior Science Option (3)*****		plus		
Institutional Options:		Approved applied instrument		
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311 FREN 1311 CHIN 1311	(MUSA) (8): (7) in the		
Select one course from the African American Studies Category (3)		major instrument and 1 in 212K level secondary piano or 411K level for voice majors		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

***Science Elective must be selected from one of the TSU Core Curriculum approved options

**** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

*****SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132 or PSY 131

**BACHELOR OF ARTS IN MUSIC
(PERFORMANCE OR COMPOSITION)
DEGREE PLAN - TOTAL CREDITS: 125**

FIRST SEMESTER		SECOND SEMESTER		
First Year	Music 100 Seminar	0	Music 100 Seminar	0
	Music 141 Theory I	2	Music 142 Theory II	2
	Music 146 E.T./S.S. I	1	Music 147 E.T./S.S II	1
	MUSA 131 Major Applied or MUSI 150	2	MUSA 132 Major Applied or MUSI 151	2
	Music 171 Class Piano	1	Ensemble	1
	Ensemble	1	Music 132 Intro to Computer Music	3
	Social and Behavioral Science Option*	3	BIOL 143 Survey of Life Science	3
	MATH 1332; 1314; 1324; or 2312	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3		
	16 hrs		15hrs	
THIRD SEMESTER		FOURTH SEMESTER		
Second Year	Music 100 Seminar	0	Music 100 Seminar	0
	Music 241 Theory III	2	Music 242 Theory IV	2
	Music 246 E.T./S.S. III	1	Music 247 E.T./S.S. IV	1
	MUSA 231 Major Applied or MUSI 251	2	MUSA 232 Major Applied or MUSI 252	2
	Ensemble	1	Ensemble	1
	SPAN 131 Elementary Spanish I or FR 131 Elementary French I or CHNS 131 Elementary Chinese I	3	Music 136 Music Appreciation	3
	ENG 2XX	3	***Science Option	3
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States Since 1877	3
	15 hrs		15 hrs	
FIFTH SEMESTER		SIXTH SEMESTER		
Third Year	Music 100 Seminar	0	Music 100 Seminar	0
	Music 331 Counterpoint	3	Music 333 Form and Analysis	3
	Music 337 Music History I	3	Music 338 Music History II	3
	MUSA 331 Major Applied or MUSI 351	2	MUSA 322 Major Applied or MUSI 352	2
	Ensemble	1	Ensemble	1
	*** African American Studies Option	3	Music 300 Junior Recital	0
	Music Elective	1	Foreign Language	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	16 hrs		15hrs	
SEVENTH SEMESTER		EIGHTH SEMESTER		
Fourth Year	Music 100 Seminar	0	Music 100 Seminar	1
	Music 335 Orchestration	3	MUSA 432 Major Applied	2
	Music Elective	3	MUSA 212K or 411K Secondary Piano	1
	MUSA 431 Major Applied	2	Ensemble	1
	Ensemble	1	Music 400 Senior Recital	0
	Music Elective	3	Music 431 Conducting	3
	Foreign Language	3	Music Elective	3
	PE 1XX	1	Music Elective	3
			Music 401 Capstone	3
	16hrs		17 hrs	

* SOC 157; SOC 158; SOC 221; SOC238; GEOG 132 or PSY 131

**Science Option must be selected from one of the TSU Core Curriculum approved options

*** Select one course from the African American Studies Category

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC (JAZZ PERFORMANCE)
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
42 credits	EQUIVALENT	45 credits	15 credits	23 credits
Communication:		MUSI 100 (1)	PE 1xx (1)	MUSI 228 (2)
ENG 131 (3) **	ENGL 1301	MUSI 141 (2)	Foreign Language (6)	MUSI 229 (2)
ENG 132 (3)	ENGL 1302	MUSI 146 (1)	MUSI 401 (3)	MUSI 254 (3)
Mathematics:		MUSI 142 (2)	Music Electives (5)	MUSI 343 (3)
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 147 (1)		MUSI 480 (3)
Life and physical sciences:		MUSI 171 (1)		plus
BIOL 143 (3)	BIOL 1308	MUSI 241 (2)		Approved MUSA and
Science Option (3)***		MUSI 246 (1)		ensemble electives (10)
Language, philosophy, and culture:		MUSI 242 (2)		
ENG 2xx (3) ****		MUSI 247 (1)		
Creative arts:		MUSI 300 (0)		
MUSIC 136	MUSIC 1306	MUSI 253 (3)		
American history:		MUSI 333 (3)		
HIST 231 (3)	HIST 1301	MUSI 355 (3)		
HIST 232 (3)	HIST 1302	MUSI 337 (3)		
Government/political science:		MUSI 338 (3)		
POLS 235 (3)	GOVT 2305	MUSI 400 (0)		
POLS 236 (3)	GOVT 2306	MUSI 431 (3)		
Social and behavioral sciences:		MUSI Ensembles (5)		
Social and Behavior Science elective (3) *****		plus		
Institutional Options:		Approved applied instrument (MUSA) (8): (7) in the major instrument and 1 in 212K level secondary piano or 411K level for voice majors		
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311 or FREN 1311 or CHIN 1311			
Select one course from the African American Studies Category (3)				

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

***Science Option must be selected from one of the TSU Core Curriculum approved options

**** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

***** SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132 or PSY 131

**BACHELOR OF ARTS IN MUSIC
(JAZZ PERFORMANCE)
DEGREE PLAN - TOTAL CREDITS: 122**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 141 Theory I	2	Music 142 Theory II	2	
	Music 146 E.T./S.S. I	1	Music 147 E.T./S.S II	1	
	MUSA 131 Major Applied	2	MUSA 132 Major Applied	2	
	Music 171 Class Piano	1	Ensemble	1	
	Ensemble	1	Music 132 Intro to Computer Music	3	
	*Social/Behavioral Science	3	BIOL 143 Survey of Life Science	3	
	MATH 132, 133, 135, or 136	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3			
	16hrs		15hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 241 Theory III	2	Music 242 Theory IV	2	
	Music 246 E.T./S.S. III	1	Music 247 E.T./S.S. IV	1	
	MUSA 231 Major Applied	2	MUSA 232 Major Applied	2	
	Ensemble	1	Ensemble	1	
	Music 228 Jazz Improv. I	2	Music 136 Music Appreciation	3	
	ENG 2XX	3	**Science Elective	3	
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States Since 1877	3	
	14hrs		15hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	Music 100 Seminar	0	Music 100 Seminar	0	
	Music 253 Jazz Theory I	3	Music 254 Jazz Theory II	3	
	SPAN 131 Elementary Spanish I or FR 131 Elementary French I or CHNS 131 Elementary Chinese I	3	Music 338 Music History II	3	
	MUSA 331 Major Applied	2	MUSA 332 Major Applied	2	
	Ensemble	1	Music 333 Form and Analysis	3	
	Music 355 Jazz Arranging	3	Music 300 Junior Recital	0	
	Music 229 Jazz Improvisation II	2	***African American Studies Option	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
	17hrs		17hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Music 100 Seminar	0	Music 100 Seminar	1	
	Music 337 Music History I	3	Music 400 Senior Recital	0	
	MUSA 431 Major Applied	2	MUSA 432 Major Applied	2	
	Ensemble	1	Music 480 Business of Music	3	
	Music 343 Jazz History	3	Music 401 Capstone	3	
	Music Elective	2	Music 431 Conducting	3	
	Foreign Language	3	MUSA 212K or 411K Secondary Piano	1	
	PE1XX	1			
	15hrs		13hrs		

* Social and Behavioral Science Options include: SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132 or PSY 131

**Science Elective must be selected from one of the TSU Core Curriculum approved options

***Select one course from the African American Studies Category in the Core Curriculum

REQUIREMENTS FOR THE MUSIC MINOR

Students interested in a minor course of study in music must first report to the music office in the Department of Music to be assigned an advisor. To be placed in the appropriate applied music courses, each prospective student must be auditioned and counseled.

The music minor curriculum is an attractive and flexible course of study that can be designed around the strengths of each student. Courses, however, cannot be used to complete requirements for a major in elementary education. A minimum of twenty-one(21) semester hours is required.

Course Requirements

Musi	100	Seminar	0 hrs
Musi	141-146	Theory I and Sight Singing/Ear Training I	3 hrs
Musi	142-147	Theory II and Sight Singing/Ear Training II	3 hrs
Musi	Ensemble	Choir, Band, Jazz, Opera Workshop, Orchestra (2 semesters minimum)	2 hrs
Musi		Applied Concentration in one area or a combination of two applied areas (ie. Musi 171/172 class piano, Musi 173/174 class voice and Musa 111-112, 211-212 in applied music courses)	4 hrs
Music Electives		Upper level courses, one of which must be a Music 337 or 338	9 hrs

The following is a list of recommended electives for students who are interested in the teaching profession:

Musi	322	Diction for Singers	3 hrs
Musi	325	Song Literature	3 hrs
Musi	328	Instrumental Techniques	2 hrs
Musi	337	History of Music I	3 hrs
Musi	338	History of Music II	3 hrs
Musi	329	Fundamental Music Techniques	3 hrs
Musi	343	Jazz History	3 hrs
Musi	431	Conducting	3 hrs
Musi	435	Seminar in Music Studies	3 hrs
Musi	480	Business of Music	3 hrs

DEPARTMENT OF PSYCHOLOGY

The Department of Psychology at Texas Southern University (TSU) has two degree programs in Psychology, one undergraduate degree, **the Bachelor of Arts (B.A.)**, and one graduate degree, **the Master of Arts (M.A.)**. The Department also offers a minor in Psychology for students pursuing undergraduate degrees in majors of other academic units at TSU. The departmental curriculum includes course offerings in both Psychology (PSY) and Philosophy (PHIL).

Students interested in the M.A. degree in Psychology are referred to the Graduate School Bulletin of Texas Southern University for general information about admission requirements.

The mission of the Department of Psychology is to contribute to the development of an individual who has assumed a productive role in society upon completion of a liberal education. To fulfill its mission, the Department of Psychology imparts 1) knowledge, skills, and values related to the science and application of psychology; and 2) knowledge, skills, and values consistent with a liberal arts education that are further enhanced by the discipline of psychology. After successful completion of the curriculum plan in psychology, students will:

- (1) demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology;
- (2) understand and apply basic research methods in psychology, including research design, data analysis, and interpretation;
- (3) value and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes;
- (4) understand and apply psychological principles to personal, social, and organizational issues; and
- (5) be able to weigh evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a discipline.

Students wishing to pursue either the B.A. in Psychology or an undergraduate minor in Psychology must satisfy university requirements and remediate identified deficiencies, and must petition the Department for admission by completing the appropriate form available through the Departmental Office. Students applying to declare either major or minor in Psychology must

- present evidence of having an overall GPA of 2.50 or better;
- submit official copies of their transcripts;
- have completed PSY 131 (General Psychology) with a grade of "B" or better;
- have their petitions reviewed by the department.

Students are notified of the departmental decision within thirty (30) days after submission of their petitions. New freshmen to the university can declare the major or minor, but their status will be reevaluated after the third semester in the major or minor to determine whether they are eligible to remain in Psychology. Transfer students from other colleges will be admitted to the major or minor in Psychology according to the criteria used to evaluate students who are attempting to transfer internally. Upon admission to the Department, students are each assigned an official advisor, and they are expected to keep the Department Office informed of changes in contact information including home and mailing addresses and telephone number up to graduation.

To reiterate, students must gain admission to the University; must satisfy university requirements; and must fulfill prerequisites noted above. Once all university requirements have been fulfilled, students can apply to the Department to declare an undergraduate major (or minor) in Psychology. The admission of eligible students into the psychology major (or minor) is subject to the approval of departmental and college administration. Once admitted, each student is assigned an official advisor who provides comprehensive advisement that is on-going as he or she progresses toward the successful completion of the degree plan or minor requirements in Psychology.

For the B.A. degree in Psychology, students must declare a minor in another academic discipline (as first-time seekers of an undergraduate degree) at the University and **must earn grades of "C" or better in all Psychology and minor courses undertaken. (Grades of "C-" or below are not acceptable in these courses.)** In selecting a minor, psychology majors should seek detailed advisement from their designated advisors, because the selection of a minor having representative courses in the core curriculum of study could impact the total number of credits required. Students can remain in the Psychology major or minor as long as they

- maintain a grade of "C" or higher in all Psychology courses with no more than two attempts for a given course;
- do not receive a "F" in two or more courses, or a "D" or lower in three or more courses, in a single semester;
- and maintain an overall GPA of 2.0 or higher in two consecutive semesters

In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. Psychology majors and minors must also have a cumulative GPA of 2.50 across all Psychology courses taken to be eligible

for graduation. Prior to graduation, candidates for the B.A. degree in Psychology must apply and be approved for the departmental exit examination, which must be passed in not more than two attempts. Students who do not pass the exit examination will not be allowed to participate in the graduation ceremony, and must reapply for graduation in the next semester. Students who do not pass the exit exam after two attempts must petition for a third and final attempt. They are required to attend mandatory workshops before admission to the exit exam. The outcome of the exit exam on the third attempt will determine whether these students graduate with an undergraduate degree in psychology.

For a minor in Psychology, students must first pass PSY 131 (General Psychology) with a grade of “B” or better. Subsequently, twenty-two (22) semester credit hours are required through enrollment in six specified courses (credit values indicated) and one elective course. The specified courses are as follows: PSY 233 (3 credits), PSY 234 (3 credits), PSY 240 (4 credits), PSY 338 (3 credits), PSY 433 (3 credits), and PSY 435 (3 credits). The elective courses may be selected from one of the following three-credit courses: PSY 332, PSY 335, PSY 336, PSY 436, PSY 437, PSY 439, PSY 461, and PSY 463. Students must earn grades of “C” or better in the seven (7) courses constituting the minor. As is the case for the major in Psychology, minor courses completed by a Psychology Major in another academic discipline must be completed with grades of “C” or better, where grades of “C-“ or below are unacceptable.

For further information regarding the Psychology major or minor requirements, contact the Department Office at (713)-313-7344.

The Department of Psychology is located in the College of Liberal Arts and Behavioral Sciences in Suite 302 on the third floor of the Barbara Jordan - Mickey Leland Building.

PSYCHOLOGY FACULTY

<p>Belcher, Leon H. Professor B.S., M.A., University of Arkansas Ph.D., University of Northern Colorado</p>	<p>Broussard, Dominique Assistant Professor B.A., Loyola University M.Ed., University of Georgia Ph.D., University of Georgia</p>
<p>Clay, William A. L., III Associate Professor B.A., Rutgers University M.A., Howard University Ph.D., Texas A&M University</p>	<p>Douglas, Denika Y. Assistant Professor B.A., Texas A&M University Ph.D., University of Houston</p>
<p>Henderson, Floyd T., II Visiting Professor B.A., Texas Southern University M.A., Texas Southern University</p>	

- PSY 336** **Psychological Testing and Measurement** (3)
 Emphasis on the role and function of informal and standardized tests in the mental health and educational settings. The use of group and individual tests in the assessment of the cognitive, affective, and psychomotor domains will be considered. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.
- PSY 338** **Social Psychology** (3)
 The course covers theory and research on social psychological processes including attitudes, group processes, self and identity, intergroup relations, social influence, social cognition, and social psychological aspects of affect and emotion. Three hours of lecture per week. Prerequisite: PSY 131. **Listed as PSYC 2319 in the Texas Common Course Numbering System.**
- PSY 433** **Abnormal Psychology** (3)
 This course provides a historical overview of the study of abnormal behavior. The diagnosis of psychopathology established in the Diagnostic and Statistical Manual of Mental Disorders (DSM) is covered in detail. Empirical research on the symptomatology of psychological disorders, as well as on psychological treatments, are also presented. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, PSY 234.
- PSY 435** **Psychology of Personality** (3)
 Consideration of the individual as both a social and biological unit by relating each group of factors to the development of personality. Three hours of lecture per week. Prerequisites: Completion of nine (9) semester credit hours in Psychology and consent of the instructor.
- PSY 437** **Theories in Counseling and Psychotherapy** (3)
 This course reviews the various theoretical models of human behavior change that have influence the development of schools of thought in the field of counseling and psychotherapy. The course covers major theories guiding treatment for problems of living and mental illness from psychodynamic, humanistic, existential, cognitive, and behavioral perspectives. Three hours of lecture per week. Prerequisites: PSY 131, PSY 330, and PSY 433.
- PSY 439** **Abnormal Child Psychology** (3)
 This course reviews the latest research on psychopathology in childhood and adolescence with an emphasis on the major childhood disorders (the disruptive disorders, anxiety, depression, and pervasive developmental disorders). The main focus is studies of the epidemiology, etiology, assessment, treatment, prognosis, follow-up, and developmental course of child and adolescent disorders. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, and PSY 433.
- PSY 436** **Biological Psychology** (3)
 This course provides an overview of the anatomical structure and biochemical processes in the brain and nervous system as they relate to human cognition, emotions, and behavior. Scientific research and practical examples of central and peripheral nervous system activity that manifest in normal behavior and psychopathology are presented. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, PSY 330, and BIOL 143.
- PSY 461** **Selected Topics in Psychology** (3)
 Seminar which focuses upon selected topics in the field of Psychology. Three hours of lecture per week. Prerequisites: Senior standing and the completion of at least twelve (12) semester credit hours in Psychology.
- PSY 463** **Independent Study in Psychology** (3)
 Investigation of an area in Psychology and/or the conduction of a research project under the direction of a faculty member. Prerequisites: Senior standing and consent of the Faculty Chair.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN PSYCHOLOGY
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (PSYCHOLOGY)	OTHER REQUIREMENTS	MINOR OR REQUIREMENTS
42 credits	EQUIVALENT	40 credits	17 credits	21 credits
Communication:		PSY 131 (3)	MATH 138 (3)	Contact department of choice after being admitted as a psychology major by the department
ENG 131 (3) **	ENGL 1301	PSY 233 (3)	HED 233 (2)	
ENG 132 (3)	ENGL 1302	PSY 234 (3)	PHIL 231 (3)	
Mathematics:		PSY 236 (3)	Foreign Language (3)	
MATH 135 (3) or MATH 133 (3) ***	MATH 1324 or MATH 1314	PSY 240 (4)	Foreign Language (3)	
Life and physical sciences:		PSY 330 (3)	3xx or 4xx Level Elective (3)	
BIOL 143 (3)	BIOL 1308	PSY 334 (3)		
BIOL 135 (3)	BIOL 2401	PSY 338 (3)		
Language, philosophy, and culture:		PSY 433 (3)		
ENG 2xx (3) ***		PSY 435 (3)		
Creative arts:		PSY 436 (3)		
MUSIC 131 or MUSI 239 or ART 135 (3)	MUSI 1301 or HUMA 1315 or ARTS 1301	plus		
American history:		Upper-level electives (6) selected from :		
HIST 231 (3)	HIST 1301	PSY 332 (3)		
HIST 232 (3)	HIST 1302	PSY 335 (3)		
Government/political science:		PSY 336 (3)		
POLS 235 (3)	GOVT 2305	PSY 437 (3)		
POLS 236 (3)	GOVT 2306	PSY 439 (3)		
Social and behavioral sciences:		PSY 461 (3)		
SOC 157, SOC 158, or SOC 221 (3)	SOCI 1301 or SOCI 1306 or SOCI 2306	PSY 463 (3)		
Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN PSYCHOLOGY
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	PSY 131 General Psychology	3	SOC 157 Introduction to Sociology or SOC 158 Contemporary Social Issues or SOC 221 Sociology of Human Sexuality	3	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 135 Math for Bus & Eco I or MATH 133 College Algebra*	3	MATH 138 Math Business & Economic Analysis II	3	
	CS 116 Intro to Computer Science I	3	SC 135 Business and Professional Communication or SC 136 Public Address	3	
	HIST 231 Soc & Political History of U.S. to 1877	3	HIST 232 Soc & Political History of U.S. since 1877	3	
	15 hrs		15 hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	PSY 233 Life-Span Developmental Psychology	3	PSY 236 Advanced Statistics	3	
	PSY 234 Basic Statistics	3	PSY 240 Learning and Behavior	4	
	*ENG 2XX	3	POLS 236 Texas Government	3	
	POLS 235 American Government	3	ART 135 Topics in Contemp Art & Cul- ture or MUSI 131 Introduction to Music or MUSI 239 Fine Arts in Daily Lliving	3	
	BIOL 143 Survey of Life Science	3	BIOL 135 Human Anatomy and Physiology I	3	
	15 hrs		16 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	PSY 330 Cognitive Psychology	3	PSY 338 Social Psychology	3	
	PSY 334 Research Methods	3	PSY 433 Abnormal Psychology	3	
	Minor	3	PSY 436 Biological Psychology	3	
	Minor	3	Foreign Language	3	
	Foreign Language	3	Minor	3	
	15 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	PHIL 231 Introduction to Philosophy	3	Psychology Elective	3	
	PSY 435 Psychology of Personality	3	Psychology Elective	3	
	HED 233 History & Principles of Health	3	Minor	3	
	Minor	3	Minor	3	
	Minor	3	3XX or 4XX Level Elective	3	
	15 hrs		15 hrs		

* ENG 230, ENG 231, ENG 235, or ENG 244

DEPARTMENT OF SOCIAL WORK

The Department of Social Work offers courses in Social Work (SOCW) and the **Bachelor of Arts (B.A.) in Social Work. The B.A. in Social Work is accredited by the Council on Social Work Education (CSWE).** Unlike many of the departments offering undergraduate degrees at the University that allow students from other disciplines to declare minors therein, this unit does not allow the declaration of a minor in Social Work. Additionally, students pursuing the B.A. in Social Work are not required to declare a minor in a second academic discipline.

The mission of the Department of Social Work is to prepare students from diverse backgrounds for entry-level generalist professional social work practice with special attention to the complexities of the urban environment. This preparation, with its foundation in professional knowledge, values, and skills, emphasizes practice with individuals, families, groups, organizations, and communities, especially populations at risk. As reflected in the program goals below, these populations include, in particular, people of color (specifically African Americans) as well as other groups identified as most vulnerable to poverty, violence, disabilities, and economic and social inequities. Further emphasis is placed on the development of advocates for system and policy changes that promote social and economic justice given the challenges of urban settings and global conditions.

The baccalaureate Social Work Program expresses its commitment to social work's purpose, values and ethics throughout the various components of the curriculum wherein students are exposed to the values and ethical foundation consistent with that of the social work profession. The knowledge and skills acquired over the course of the program are directly correlated to 41 specific practice behaviors which operationalize the CSWE's 10 Core Competencies as defined in the 2008 Educational Policy and Accreditation Standards.

The liberal arts perspective, social science cognates and social work courses (core and electives) provide opportunities to learn about and incorporate the ethical and value orientations necessary for effective practice. Faculty are fully aware of the necessity to introduce to students, nurture and facilitate the continual attention to the values and ethical positions of the profession to guide practice actions. Further instruction supports the professional commitment to continue contributing to the ongoing assessment of these perspectives. Each of the program goals addresses the purpose, values and ethics of the profession to some degree and is derived from its mission in order to:

1. Prepare students for entry-level generalist social work practice with client systems of all sizes and types, especially concerned with the complexities of urban settings.
2. Prepare students for practice with diverse populations, especially African Americans, other people of color, and populations at risk for social and economic inequities nationally and globally.
3. Prepare students with knowledge, values and skills for practice that will further develop the profession and promote just, more humane, and equitable service delivery.
4. Provide a comprehensive curriculum infused with values and ethics of the profession as a guide for social work practice.
5. Provide students with a strong educational foundation that fosters a commitment to continuous personal and professional development, and advanced training, especially for those who aspire to pursue graduate education.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University, must satisfy all Texas Success Initiative (TSI) responsibility requirements and eradicate identified deficiencies, and must petition the Department for admission upon successful completion (C or better) of nine semester credit hours of specific social work courses (SOCW 145, SOCW 246, and SOCW 340). Each student must be admitted by the Department, as a major, before attempting to meet all of the requirements for the degree. As social work is a profession, all pre-majors and majors must demonstrate professional demeanor and integrity in classroom work and field related activities. Students who engage in nonprofessional behaviors, including plagiarism, cheating, disrespectful communications etc. will be reported to the appropriate judicial offices on campus and counseled out of the major.

Interested students are asked to contact the Department Office during their freshman year in order to obtain admissions information and procedures. Students returning to the University following an absence of one long semester or more will not be approved for Social Work if the earned GPA is lower than 2.0. **No academic credit is given for prior life experiences.**

The overall Social Work major is structured to conform to a "Curriculum Guide" that is available for reference in the Social Work Department. This guide outlines the required sequence of courses that must be completed satisfactorily through the senior year. It also assures the preparedness of students for placement in field education in various community agencies.

A total of 50 credits is required in Social Work for completion of the B.A. degree in which grades of "C" or better must be earned. Grades of "C-" are unacceptable in core Social Work courses and in cognate courses taken in psychology and

sociology. A student who has two (2) unsatisfactory grades in a given core Social Work course will not be permitted to re-enroll for a third time. Therefore this student must meet with their faculty advisor for further academic guidance.

Social Work majors must complete ENG 131 and ENG 132 with a grade of C or better. No more than three grades below a “C” may be earned in all other courses. Where courses are part of a liberal arts content area, students may not earn consecutive grades of C- or below in the represented discipline. A grade below a “D” will not be accepted for credit.

Courses required during the senior year are organized into two blocks: **Block I and Block II.** In order to proceed to Block, a minimum GPA of 2.5 must be accrued by the end of the junior year. All core and non-elective courses required through the junior year must be completed satisfactorily in order for students to progress to the senior year Block I and the required associated Block I Field Placement. Block I courses (SOCW 440, SOCW 440L, SOCW 443, SOCW 444, SOCW 444S, and SOCW 450) must be taken concurrently during the first half of the senior year. Students who receive a C- or below in more than one Block I course must petition the Department and receive approval to proceed to Block II. Students who earn a C- or lower in SOCW 440 or SOCW 444 will not be allowed to proceed to Block II.

Block II courses (SOCW 439, SOCW 441, SOCW 441L, SOCW 446, SOCW 446S, and a SOCW elective, if applicable) must be taken concurrently during the second half of the senior year. An exit examination is required of graduating seniors. Please note: Social Work graduates are required to pass the state licensing examination in order to practice social work in the state of Texas.

The Social Work major has specific entrance requirements that must be met before acceptance can be granted. In summary, interested students must first gain admission to the University; must meet all TSI responsibilities; must fulfill prerequisites referenced above; and must petition for admission to the Department. All students interested in Social Work are provided with extensive advisement to ensure proper progression toward graduation. For additional information, questions regarding the Social Work major, department location and parking may be directed to (713) 313-7783.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Boutté-Queen, Needha M. Associate Professor Department Chair B.A., Texas Southern University M.A., University of Chicago Ph.D., University of Houston</p>	<p>Longino, Catheryn Assistant Professor Director of Field Education B.S., University of Houston M.S.W., University of Houston</p>
<p>Dr. Nicole Willis, LMSW Assistant Professor B.A., University of Southern California M.A. University of Houston Ph.D. University of Houston</p>	
<p>Full time faculty are supported by the presence and expertise of visiting instructors and adjunct faculty. At the present time these faculty members and their most recent professional affiliations include:</p> <p>Dr. Gloria Batiste-Roberts, TSU Honors Program Dr. Deanna Lott Burrell, TSU Retired Ms. Roxanne Henry, Harris County Social Services Dr. Grade Loudd, Adult Protective Services Mr. Orlando Milton, Houston Area Urban League Ms. Ifueko Omorogbe, S.H.A.P.E. Community Center</p>	

*Licensures are indicated on this line that are specific to Social Work with the following references noted:
LMSW for Licensed Master Social Worker;
LMSW-AP for Licensed Master Social Worker - Advanced Practitioner; and
ACSW for Academy of Certified Social Workers.

SOCIAL WORK COURSES

- SOCW 145 Introduction to Social Welfare (3)**
Introduction to representative fields, practices, agencies, services, and professional groups engaged in social welfare with particular emphasis on Social Work and required field experience. Three hours of lecture and four hours of laboratory/field experience per week.
- SOCW 246 Social Welfare Legislation (3)**
Intensive examination and discussion of selected social legislation. Emphasis on the Social Security Act and other Acts closely related to social welfare services and social work. Required field experience. Three hours of lecture and four hours of laboratory/field experience per week. Prerequisite: SOCW 145.
- SOCW 333 Violence and Abuse in Families (3)**
Consideration of selected aspects of violence and abuse: patterns (wife, child), types (physical, emotional, sexual), theories of causation, manifestation, and social service programs. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 335 Service to Children and Youth in Institutional Settings (3)**
Examines selected representative services for children and youth in terms of their programs, method of service delivery, and needs in settings other than the home. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 340 Seminar in Helping (3)**
Examination and discussion of motives, value orientations, and approaches used in helping with emphasis on self awareness, interviewing, observation, data management, and integration as key tools in the helping process. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 246 or consent of the instructor.
- SOCW 348 Social Work Communications (3)**
Discussions and introductory practice opportunities for case recordings, interviewing, court reporting, information, referral and other required documentation skills. Prerequisite: Junior standing or consent of instructor.
- SOCW 342 Seminar on Aging (3)**
Introduction to the aged and aging process. Emphasis on the major concepts related to aging, associated critical issues, and social services. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 343 Social Work and the Law (3)**
Study and analysis of selected laws directly related to social work practice in the provision of services to individuals, groups, and communities. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 345 Human Behavior in the Social Environment (for Health Related Majors ONLY) (3)**
Emphasis on holistic approach to understanding human behavior across the lifespan for non-social work majors. Three hours of lecture per week.
- SOCW 346 Human Behavior in the Social Environment (for Social Work Majors ONLY) (3)**
Integrated biological/psychological/sociological approach toward understanding the aspects of behavior. Examines the person-in-environment concept from the systems ecological perspective. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 145 and SOCW 246. Corequisite: Enrollment in SOCW 340 or consent of the instructor.
- SOCW 347 Human Behavior in the Social Environment II (3)**
Application of the theoretical framework of systems ecological perspective with emphasis upon families, groups, communities, and organizations. Examines issues of diversity, structure, and outcome of transactions between and within systems. Three hours of lecture and two hours of laboratory/field experience per week. **Prerequisites: SOCW 340 and SOCW 346** or consent of the instructor.
- SOCW 439 Social Welfare Policy (3)**
Exploration and assessment of legislative/policy issues with reference to Social Work. Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.

SOCW 440	Generalist Practice I Micro level focuses on the integrated use of a knowledge/value approach for the development of generalist skills in providing intervention strategies of direct services to appropriate client systems. Three hours of lecture per week. Prerequisites: SOCW 340, SOCW 346, and SOCW 347. Corequisite: Enrollment in Block I.	(3)
SOCW 440L	Generalist Practice Laboratory I Practice laboratory to accompany SOCW 440. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	(2)
SOCW 441	Generalist Practice II Builds upon skills, practice knowledge, and value base of generalist intervention with a primary focus on macro systems (families, groups, communities, and organizations). Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.	(3)
SOCW 441L	Generalist Practice Laboratory II Practice laboratory to accompany SOCW 441. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block II.	(2)
SOCW 442	Seminar on Dying and Death Examination of values and attitudes related to social services during terminal illness, death, and planning with survivors. Three hours of lecture per week. Prerequisite: Senior standing.	(3)
SOCW 443	Theories in Social Work Practice Critical analysis and evaluation of major selected social work practice theories. Three hours of lecture per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	(3)
SOCW 444	Field Instruction I An educationally directed field placement for the development and utilization of professional social work practice skills. Sixteen hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisites: Enrollment in Block I and SOCW 444S.	(4)
SOCW 444S	Field Instruction Seminar I Group discussion and integration of field practicum experiences. Accompanies SOCW 444. One hour of lecture per week. Corequisite: Enrollment in Block I.	(1)
SOCW 446	Field Instruction II Continuation of SOCW 444 with evaluation of practicum experience. Sixteen hours of laboratory/field experience per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.	(4)
SOCW 446S	Field Instruction Seminar II Continuation of SOCW 444S with discussion and integration of field practicum experience. Accompanies SOCW 446. One hour of lecture per week. Corequisite: Enrollment in Block II.	(1)
SOCW 447	Independent Study in Social Welfare Selection of topics by students for study and analysis culminating in a paper suitable for publication. Prerequisite: Senior standing or consent of the instructor.	(3)
SOCW 448	Topical Seminar in Social Welfare Selected topics in social welfare and/or areas/topics normally not covered in published curricula. Three hours of laboratory/field experience or research per week. Prerequisite: Consent of the instructor.	(3)
SOCW 450	Social Work Practice Research and Evaluation Application of empirical measurements to determine the effectiveness of one's own practice and evaluation of practice skills, policy implementation, program service, and self assessment. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	(3)

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN SOCIAL WORK
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (SOCIAL WORK)	OTHER REQUIREMENTS
42 credits		50 credits	28 credits
Communication:			
ENG 131 (3) **	ENGL 1301	SOCW 145 (3)	HED 233 (2)
ENG 132 (3)	ENGL 1302	SOCW 246 (3)	PE 1xx (1)
Mathematics:			
MATH 135 (3) or MATH 133 (3) ***	MATH 1324 or MATH 1314	SOCW 340 (3)	PE 1xx (1)
Life and physical sciences:			
BIO 143 (3)	BIOL 1308	SOCW 346 (3)*****	SOC 157 (3)
BIO 135 (3)	BIOL 2401	SOCW 347 (3)*****	SOC 158 (3)
Language, philosophy, and culture:			
ENG 2xx (3) ****		SOCW 439 (3)	SOC 359 (3)
Creative arts:			
MUSIC 239 (3)	HUMA 1315	SOCW 440L (2)	SC Elective (3)
American history:			
HIST 231 (3)	HIST 1301	SOCW 441 (3)	PSY Elective (3)
HIST 232 (3)	HIST 1302	SOCW 441L (2)	Free Upper Level Electives (6)
Government/political science:			
POLS 235 (3)	GOVT 2305	SOCW 443 (3)	
POLS 236 (3)	GOVT 2306	SOCW 444 (4)	
Social and behavioral sciences:			
PSY 131 (3)	PSYC 2301	SOCW 444S (1)	
Institutional Options:			
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315	SOCW 446 (4)	
CS 116 (3)	COSC 1301	SOCW 446S (1)	
		SOCW 450 (3)	
		SOCW Electives (6)	

*All Social Work majors and intended majors are required to receive advising from a departmental advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) indicates the number of course credits.

*** Students considering graduate school are strongly encouraged to take College Algebra (MATH 133) ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** The 3 credits required in statistics may be earned through any department at the University where a three credit lower level statistics course is offered.

*****SOCW 346 is only offered in the Fall of each academic year and must be completed with a "C" or better before enrollment in SOCW 347 can occur.

*****SOCW 347 is only offered in the Spring of each academic year.

**BACHELOR OF ARTS DEGREE IN SOCIAL WORK
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	MATH 135 Math for Bus & Eco I or MATH 133 College Algebra*	3	SC 135 Business & Prof Communication or SC 136 Public Address	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 143 Survey of Life Science	3	BIOL 135 Anatomy & Physiology I	3
	SOC 157 Introduction to Sociology	3	SOC 158 Contemporary Social Issues	3
	SOCW 145 Intro Social Welfare	3	CS 116 Intro to Computer Science I	3
			Physical Ed	1
	15 hrs		16 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper level English**	3	SC 2XX, 3XX or 4XX (elective)	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	MUSI 239 Fine Arts in Daily Living	3	PSY 131 Introduction to Psychology	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	SOCW 246 Social Welfare Legislation	3	HED 233 Health Education	2
			Physical Ed	1
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	PSY 2XX, 3XX or 4XX (elective)	3	SOCW Elective	3
	Elective (Must be 300-400 level)	3	SOCW Elective	3
	SOCW 340 Seminar in Helping	3	Elective (Must be 300-400 level)	3
	Statistics (PSY, SOC, BUS, PA, MTH)	3	SOC 359 Social Research*****	3
	SOCW 346 Human Behavior in Soc Env I****	3	SOCW 347 Human Behavior in Soc Env II*****	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	SOCW 440 Generalist Practice I	3	SOCW 441 Generalist Practice II	3
	SOCW 440L Generalist Practice Lab I	2	SOCW 441L Generalist Practice Lab II	2
	SOCW 443 Theories of Socw Practice	3	SOCW 439 Social Welfare Policy	3
	SOCW 444 Field Instruction I	4	SOCW 446 Field Instruction II	4
	SOCW 444S Field Instruction I Seminar	1	SOCW 446S Field Instruction II Seminar	1
	SOCW 450 Social Work Research & Eval	3		
	16 hrs		13 hrs	

*Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

** ENG 230, ENG 231, ENG 235, or ENG 244

*** The 3 credits required in statistics may be earned through any department at the University where a three-credit lower level statistics course is offered.

**** SOCW 346 is only offered in the Fall of each academic year and must be completed with a "C" or better before enrollment in SOCW 347 can occur.

***** SOC 359 is a Spring only course that must be completed with a "C" or better before Block entry.

***** SOCW 347 is only offered in the Spring of each academic year.

DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers coursework leading to two degrees: the **Bachelor of Arts (B.A.) and Master of Arts (M.A.)**. A minor in Sociology is also offered for students pursuing undergraduate degrees in departments where they are required to declare a minor. Interested students may secure information from the Department of Sociology office located in the Barbara Jordan and Mickey Leland School of Public Affairs building.

Students interested in the Master of Arts Degree in Sociology should refer to the Graduate School Bulletin of Texas Southern University.

The mission of the Department of Sociology at Texas Southern University is to become a nationally recognized leader in the Urban Sociological training of students who will enter graduate/professional school or career oriented professions. Students are trained with a special emphasis on sociological theory, methodology, and the substantive areas of social inequality and urban sociology. The major in Sociology will, both orally and in written form, demonstrate how this discipline advances scientific knowledge, demonstrate an understanding of sociological theory and methodology, and be able to successfully complete a scientific research project. Within the curriculum students will be challenged to develop their critical thinking skills, to utilize technology in the acquisition and analysis of data and to participate in service learning activities in the Houston metropolitan community.

Upon completing this program, the Sociology major will be able to demonstrate an understanding of the following:

1. The discipline of Sociology and its role in contributing to our understanding of social reality, such that the student will be able to: (a) describe how Sociology differs from and is similar to other social sciences; (b) describe how Sociology contributes to a liberal arts understanding of social reality; and (c) apply the sociological imagination, sociological principles and concepts to his/her own life.
2. The role of theory in Sociology, such that the student will be able to: (a) define theory and describe its role in building sociological knowledge; (b) compare and contrast basic theoretical orientations; (c) demonstrate how theories reflect the historical context of times and cultures in which they were developed; and (d) describe and apply basic theories and theoretical orientations in at least one area of social reality.
3. The role of evidence and qualitative and quantitative methods in Sociology, such that the student will be able to: (a) identify basic methodological approaches and describe the general role of methods in building sociological knowledge; (b) compare and contrast the basic methodological approaches for gathering data; (c) design a research study and explain why various decisions are made; and (d) critically assess a published research report and explain how the study could have been improved.
4. The technical skills involved in retrieving information and data from the internet and using computers appropriately for data analysis. The Sociology major should also be able to do (social) scientific technical writing that accurately conveys data findings and to demonstrate an understanding and application of principles of ethical practice as a sociologist.
5. In depth knowledge of at least two specialty areas within Sociology, such that the student will be able to: (a) summarize basic questions and issues in the areas; (b) compare and contrast basic theoretical orientations and middle range theories in the areas; (c) demonstrate how Sociology helps the understanding of the area; (d) summarize content research in the area; and (e) develop specific policy implications of research and theories in the areas.

The major in Sociology requires a total of thirty-six (36) semester credit hours in Sociology courses. Only grades of “C” or better are accepted (grades of “C-” are unacceptable). First-time degree seeking students pursuing this degree must declare a minor in a second academic discipline. Once admitted to the University, Sociology majors are assigned a faculty advisor who will advise them of the curriculum courses that are required to receive the B.A. degree in Sociology. The faculty advisor should be consulted in the selection of a required minor for the B.A. in Sociology. The Department of Sociology must have a current address and telephone number of each student pursuing the B.A. degree in Sociology. Students can be assured of the confidentiality of this information.

Students interested in seeking the undergraduate degree (B.A. in Sociology) or the Sociology minor must first gain admission to the University, satisfy admissions testing requirements, satisfy deficiencies assessed at the time of admission through the Office of Student Academic Enhancement Services Center, and petition the Department for admission as test requirements are completed. Students must schedule at least two academic conferences per semester for course approval and status verification for progress toward graduation. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed. An exit examination is required of all Sociology candidates for the B.A. degree in Sociology.

For the minor in Sociology, twenty-one (21) semester credit hours are required, exclusive of freshman level courses SOC 157 and SOC 158. Students pursuing the minor in Sociology must enroll in the following three-credit courses for a total of

12 credits: SOC 254, SOC 354, SOC 357, and SOC 359. An additional 9 credits must be approved by a Sociology Faculty advisor or the Department Chairperson. Students seeking the minor in Sociology, while pursuing undergraduate degrees in other departments, must earn grades of “C” or better (grades of “C-” are unacceptable) in all courses related to the Sociology minor.

Sociology majors and all interested students are encouraged to become members of The Sociology Scholars Association and to participate in the Spring and Fall semester Sociology Lecture Seminars. The Department of Sociology strives to enhance the student's college experience by providing the opportunity to develop leadership skills, participate in research oriented forums, strengthen interpersonal communication skills, and make contributions to the community by participating in service-oriented projects.

Alpha Kappa Delta (AKD) is an international academic Sociology honor society and an integral component of the Department of Sociology at Texas Southern University. The Honor Society's focus promotes the scientific study of society through research and service to mankind. The purpose of this honor society is to promote scholarship, both at the graduate and undergraduate levels. Sociology Faculty members are diligent in encouraging all sociology majors to excel in their academic studies. To become a member of AKD, a student must be an officially declared Sociology major or have a serious interest in Sociology within an official program of the University; has to have at least junior standing; have maintained a 3.0 in Sociology courses; has accumulated the equivalent of an overall grade point average of 3.0 on a four point scale and rank in the top 35% of their class in general scholarship; and has completed at least four regular courses in sociology prior to initiation.

In summary, interested students must first gain admission to the University, meet their admissions test responsibility, satisfy any deficiencies assessed at the time of admission, and petition the Department for admission. To ensure proper progression toward graduation students are required to seek advisement from departmental faculty, and an exit examination is required of graduating seniors. For further information regarding the Sociology major or minor requirements, contact the Department at (713)313-7250.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Cox, Betty, B. Associate Professor B.A., M.A., Texas Southern University Ed. D., University of Houston</p>	<p>Mosley, E. Dianne Associate Professor B.A., University of Texas at Austin M.A., Texas Southern University M. S., Our Lady of the Lake University Ph.D., Texas Woman's University</p>
<p>Garcia, Homer D. Professor B.A., University of Texas at Austin M.A., Yale University M. Phil., Yale University Ph.D., Yale University</p>	<p>Slatton, Brittany C. Assistant Professor B.A., Northern Illinois University M.A., Virginia State University Ph.D. Texas A & M</p>
<p>Jackson, Kenneth W. Associate Professor B.A., Texas Southern University M.A., Texas Southern University Ph.D., University of Chicago</p>	<p>Swan, Llewellyn Alex Professor B.S., Oakwood College M.A., Atlanta University M.S., Ph.D., University of California at Berkeley</p>

SOC 351	<p>Criminology (3)</p> <p>Study of the causes of crime; the social, economic, and political context of the development of law; and the development of crime control strategies and penology. Three hours of lecture per week.</p>
SOC 354	<p>Sociological Statistics (3)</p> <p>Descriptive and simple inductive statistics, selected mathematical topics, and orientation to computer applications in the analysis of sociological data. Two hours of lecture and two hours of laboratory per week. Prerequisites: SOC 157 and SOC 158.</p>
SOC 357	<p>Sociological Theory (3)</p> <p>Study of selected social theories and their major contributions to the field of Sociology. Three hours of lecture per week.</p>
SOC 359	<p>Sociological Research (3)</p> <p>Study of quantitative and qualitative research techniques for data collection and analysis. Two hours of lecture and one hour of laboratory per week.</p>
SOC 435	<p>Juvenile Delinquency and Juvenile Justice (3)</p> <p>Discussion of the major theoretical notions which attempt to explain juvenile delinquency; the development of the juvenile justice system; and various strategies of delinquency, including diversion programs. Three hours of lecture per week.</p>
SOC 438	<p>Collective Behavior and Social Movements (3)</p> <p>Study of human societies and culture. Emphasis placed on ethnographic anthropological research. Three hours of lecture per week.</p>
SOC 450	<p>Seminar in Methodology (3)</p> <p>Consideration of the requirements specified by the scientific method and the hazards encountered when this method is not followed. Examination of common purpose of research, alternative research designs, sampling, and several techniques for collecting data. Three hours of lecture per week. Prerequisites: SOC 157, SOC 354, and SOC 359.</p>
SOC 452	<p>Sociology of Work (3)</p> <p>This course examines the sociological dimensions of work and occupations. Specific topics may include: the organizational context of work, occupational and labor market structures, job satisfaction, industrial relations, technological change, and the effects of gender, age, race/ethnicity on how work and employment are experienced. Three hours of lecture per week.</p>
SOC 456	<p>Independent Study (3)</p> <p>Independent study in theoretical and applied sociology designed to allow juniors and seniors to work independently on topics of special interest not covered in depth in course offerings. Work may be done in a tutorial relationship with an individual faculty member or in a seminar.</p>
SOC 457	<p>Seminar in Sociological Theory (3)</p> <p>Critical analysis and evaluation of the major theoretical perspectives (structural functionalism; conflict Marxian; and symbolic interactionism, exchange, and ethnomethodology) that dominate the field of sociological explorations. Three hours of lecture per week. Prerequisites: SOC 157 and SOC 357.</p>
SOC 458	<p>Seminar in Applications of Sociology (3)</p> <p>Designed for seniors who will demonstrate their knowledge and skills in the discipline of sociology by developing a publishable work applying sociological knowledge and experience systematically to a specific social issue under the supervision of a faculty member. Prerequisites: SOC 157, SOC 354, and SOC 450.</p>
SOC 460	<p>Women in Society (3)</p> <p>Examination of changing gender roles and the effects on the social and cultural status of women. Three hours of lecture per week.</p>

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN SOCIOLOGY
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (PSYCHOLOGY)	OTHER REQUIREMENTS	MINOR OR REQUIREMENTS
42 credits	EQUIVALENT	36 credits	23 credits	21 credits
Communication:		SOC 157 (3)	Foreign Language (6)	Contact department of choice after being admitted as a sociology major by the department
ENG 131 (3) **	ENGL 1301	SOC 158 (3)	ECON 231 (3)	
ENG 132 (3)	ENGL 1302	SOC 254 (3)	MATH 134 (3)	
Mathematics:		SOC 221 or 257 (3)	SOC 141 (3)	
MATH 133 (3)	MATH 1314	SOC 354 (3)	HED 233 (2)	
Life and physical sciences:		SOC 357 (3)	Elective Courses (6)	
BIOL 143 (3)	BIOL 1308	SOC 359 (3)		
GEOL 141 (3) or PHYS 101 (3)	GEOL 1303 or PHYS 1301	SOC 450 (3)		
Language, philosophy, and culture:		SOC 457 (3)		
ENG 2xx (3) ***		SOC 458 (3)		
Creative arts:		300 or 400 Level SOC Elective (3)		
MUSIC 131	MUSI 1301	300 or 400 Level SOC Elective (3)		
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
SOC 238 (3)	ANTH 2346			
Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
HIST 281 (3) or ART 139 (3) or ENG 244 (3)****				

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** ENG 244 may only be used once in the curriculum.

**CURRICULUM SUMMARY FOR
MINOR IN SOCIOLOGY
TOTAL CREDITS REQUIRED: 21
(EXCLUSIVE OF DEPARTMENTAL PREREQUISITIES)**

DEPARTMENT PREREQUISITIES	REQUIRED COURSES	REQUIRED SOCIOLOGY ELECTIVES
6 credits	12 credits	9 credits
SOC 157 (3)**	SOC 254 (3)	200 Level (3)
SOC 158 (3)	SOC 354 (3)	300 or 400 Level (3)
	SOC 357 (3)	300 or 400 Level (3)
	SOC 359 (3)	

** (N) represents the number of course credits.

**BACHELOR OF ARTS DEGREE IN SOCIOLOGY
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	SOC 157 Introduction to Sociology	3	SOC 158 Contemporary Issues in Society	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 143 Survey of Life Science	3	Foreign Language	3
	MATH 133 College Algebra	3	GEOL 141 Introduction to the Earth or PHYS 101 Introduction to Physics	3
	Foreign Language	3	MATH 134 Plane Trigonometry	3
TOTAL HOURS	16	TOTAL HOURS	15	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	SOC 254 Black Perspectives in Sociology	3	SOC 141 Texas: A Multicultural State	3
	ENG 2xx*	3	HIST 281 Intro-African-Am History or ART 139 African-American Art & Culture or ENG 244** African-American Literature	3
	ECON 231 Principles of Economics I	3	POLS 236 Texas Government	3
	HED 233 History and Principles of Health	2	MUSI 131 Introduction to Music	3
	POLS 235 American Government	3	HIST 232 Social and Political History of the United States since 1877	3
	HIST 231 Social and Political History of the United States to 1877	3	SC 135 Bus and Professional Com or SC 136 Public Address	3
TOTAL HOURS	17	TOTAL HOURS	18	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SOC 354 Sociological Statistics	3	SOC 359 Sociological Research	3
	SOC 357 Sociological Theory	3	SOC 457 Modern Sociological Theory	3
	SOC 238 Introduction to Anthropology	3	SOC 3xx or 4xx Level Elective	3
	Minor	3	SOC 221 Human Sexuality or SOC 257 School Sociology	3
	Minor	3	Minor	3
			Minor	3
TOTAL HOURS	15	TOTAL HOURS	18	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	SOC 450 Seminar in Methodology	3	SOC 458 Applications in Sociology	3
	Minor	3	SOC 3xx or 4xx Level Elective	3
	Minor	3	Elective	3
	Minor	3	Elective	3
TOTAL HOURS	12	TOTAL HOURS	12	

* ENG 230, ENG 231, ENG 235, OR ENG 244

** ENG 244 may only be used once in the curriculum.

DEPARTMENT OF VISUAL AND PERFORMING ARTS

The Department of Visual and Performing Arts brings together two Liberal Arts disciplines devoted to creative endeavors at the University: Visual Arts and Theatre. The highly trained and professionally active Arts faculty offer studio, digital and certification courses in art and technical and performing courses in theatre. The **Bachelor of Arts (B.A.) Degree in Art and the Bachelor of Arts (B.A.) Degree in Theatre** are offered along with minors in each area for students pursuing undergraduate degrees in other departments and colleges. The John T. Biggers Art Center is home to the Visual Art Program. Dr. Biggers (noted muralist, painter and griot) founded the art program in 1948 and along with Mr. Carroll Harris Simms (noted Ceramics & Sculpture Artist) built a unique visual arts curriculum. The Ollington Smith Playhouse is home to the Theatre Program. The Theatre Program was founded in 1974 by Professor Ollington Smith (noted Director and Playwright) in 1974. Smith is credited with the development of a strong touring and performing arts program.

The Mission of the Department of Visual and Performing Arts: In a focused creative environment with instruction of the highest quality, Visual and Performing Arts students will be trained to become practicing arts professionals and educators, fostering creativity and intellectual curiosity while developing the skill sets to be active local and global citizens in a rapidly changing world.

Curricular offerings are designed to provide a broad liberal arts education. Students are provided with a strong undergraduate education upon which to base the pursuit of career opportunities and advanced or graduate study. Faculty members in the Department are committed to providing an educational environment where aspiring visual and performing artists and creative craftsmen develop in the understanding and mastering of critical inquiry techniques, where all students may gain an appreciation of the cultural, historical, and educational values of the arts, and where cultural awareness translates to the community and the larger global society.

Requirements for the B.A. in Art, and the B.A. in Theatre, as well as minors in each area offered through this unit, are summarized below with exact requirements dependent upon the concentration, including specialty, or minor selected. **All courses designated as either major or minor courses must be completed with grades of "C" or better, where grades of "C-" are unacceptable.** In considering requirements for one of the bachelor's degrees, or one of the minors, students must first be admitted by the University, must satisfy all placement testing requirements, must eradicate deficiencies assessed through placement test scores, must petition the Department for admission as placement requirements are completed, and must complete preliminary requirements established by the Department for majors. Further admission and graduation requirements for the Department are considered below. An exit examination in the content area of study is required of all graduating seniors.

Individuals interested in seeking certification for teaching in the public or private schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in Art, 22 semester credit hours are required through enrollment in the following: ART 131 (3 credits); ART 133 (3 credits); ART 201 (1 credit); ART 231 (3 credits); one art history class of choice (3 credits); and 9 additional upper-level elective credits in ART. The minimum grade requirement for each course in this minor is referenced above.

For the minor in Visual and Performing Arts, 22 semester credit hours are required through enrollment in the following: ART 131 (3 credits); ART 201 (1 credit); ART 133 (3 credits), and ART 137, 139, 235 or 236 (3 credits) and THE 130 (3), THC 231 (3), THC 337, or 338 (3 credits) and 438 (3 credits).

For the minor in Theatre, 21 semester credit hours are required through enrollment in five designated three-credit courses (THC 130, THC 151, THC 231, THC 337 or 338, THC 491 or THC 492) and 6 additional upper-level elective credits in THC. The minimum grade requirement for each of these courses is referenced above.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview through the Department Office. At the time of interview, students are asked to either present an art portfolio or perform an audition as part of the procedure for admission to the Department. Once admitted, students are each assigned a faculty advisor for continuous advisement and schedule approval up to the time of graduation. At the beginning of the senior year, students must meet the approval of a panel of faculty members prior to enrollment in courses related to final projects such as Senior exhibitions, and performances. Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status and again just before applying for graduation.

In summary, interested students must first gain admission to the University, must meet their placement testing responsibility, and must adhere to admission and graduation requirements specified in this section. Students are each assigned an official advisor and provided with extensive advisement upon admission to the Department to ensure proper progression toward

graduation. An exit examination is required of all graduating seniors. For additional information, students should contact the Department Office at (713) 313-7337 or visit room 112 of the R.S. Music Center.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Beineman, Christopher Associate Professor B.F.A., McMurry University M.F.A., University of Georgia</p>	<p>Meloncon, Thomas Associate Professor B.A., Texas Southern University M.A., Texas Southern University</p>
<p>Brown-Guillory, Elizabeth Distinguished Professor B.A., University of Louisiana, Lafayette M.A., University of Louisiana, Lafayette Ph.D., Florida State University</p>	<p>Robinson, Deon Visiting Professor B.S. Fisk University M.F.A. Academy of Art University</p>
<p>Green, Leamon Associate Professor B.F.A., Cleveland Institute of Art M.F.A., Temple University</p>	<p>Rodriguez-González, Rosarito Assistant Professor B.F.A., University Puerto Rico M.F.A. Savannah School of Art and Design</p>
<p>House Jr., Cleo Associate Professor Chair B.A., Texas A&M University at Commerce M.F.A. Texas Tech University</p>	<p>Trotty, Sarah A. Associate Professor B.S. Art Ed., University of Houston M. Art Ed., Texas Southern University Ph.D., Purdue University</p>
<p>Jemison-Pollard, Dianne Professor B.A., Fisk University M.A., University of Wisconsin M.F.A., Catholic University of America Ed.D, Texas Southern University</p>	<p>Wardlaw, Alvia J. Professor B.A., Wellesley College M.A., New York University Ph.D., University of Texas at Austin</p>

- ART 232 Elementary Painting II (3)**
Continuation of ART 231. Six hours of laboratory per week. Prerequisite: ART 231. **Listed as ARTS 2317 in the Texas Common Course Numbering System.**
- ART 233 Introduction to Computer Generated Art and Design (3)**
Broad range of graphic art, desktop publishing, and digital imaging software covered with a focus on combining basic computer techniques and design fundamentals. Use of the computer as a design tool for creating commercial and fine art applications emphasized. Six hours of laboratory per week. Prerequisites: ART 131 and ART 133. **Listed as ARTS 2348 in the Texas Common Course Numbering System.**
- ART 234 Intermediate Computer Illustration and Typography (3)**
Intermediate course for students planning to become graphics professionals. Contemporary software packages used to explore what makes effective layout and illustration. Six hours of laboratory per week. Prerequisite: ART 233. **Listed as ARTS 2349 in the Texas Common Course Numbering System.**
- ART 235 Ancient, Medieval and Renaissance Art (Art History I) (3)**
Historical examination of the transition of art from ancient through the Medieval Period, where it was created communally resulting in cathedrals as places of worship and exchange, to the Renaissance Period, where the artist/patron relationship developed. The Role of humanistic ideas in developing subject matter of the artists considered. Three hours of lecture per week. **Listed as Arts 1303 in the Texas Common Course Numbering System.**
- ART 236 Baroque and Modern Art (Art History II) (3)**
Examination of the challenge to surpass the Renaissance as expressed in the sometimes idiosyncratic stylizations of Baroque creativity as an appropriate prelude to the expansion of ideas, the restructuring of technique, the influence of society and the visual approach that defines the Modern Era. Three hours of lecture per week. **Listed as 1304 in the Texas Common Course Numbering System.**
- ART 237 Ceramics and Pottery I (3)**
General ceramics and pottery course for beginners that includes hand-built and wheel-thrown objects. Six hours of laboratory per week. **Listed as ARTS 2346 in the Texas Common Course Numbering System.**
- ART 238 Ceramics and Pottery II (3)**
Continuation of ART 237. Six hours of laboratory per week. Prerequisite: ART 237. **Listed as ARTS 2347 in the Texas Common Course Numbering System.**
- ART 303 Art Studio I (3)**
Independent studio for junior or senior level majors with a major advisor in a specialized area of research. The area of study will be listed in students' folder for record purposes.
- ART 321 Life Sketch I (3)**
Skillful representation of the human figure using the live model to represent various conditions of life. Individualized approaches using varied subject matter, media, and techniques are emphasized. Six hours of laboratory per week. Prerequisite: Junior standing as art major.
- ART 322 Life Sketch II (3)**
Continuation of ART 321 representing the human figure while emphasizing specific types of rendering expressions in various drawing media. An individual and creative approach required. Six hours of laboratory per week. Prerequisite: ART 321.
- ART 331 Sculpture I (3)**
Creative approach to three-dimensional sculpture, nature study, organic form, and structure in clay and varied media. Six hours of laboratory per week.
- ART 332 Sculpture II (3)**
Continuation of ART 331. Six hours of laboratory per week. Prerequisite: ART 331.

- ART 333** **Digital Painting and Imaging (Digital Art I)** (3)
 Course in digital/electronic illustration that examines the difference between structured drawing and bit-mapped or digital software programs. Image processing, electronic painting, image compositing, and color adjustment studied using contemporary software packages. Six hours of laboratory per week. Prerequisites: ART 233.
- ART 334** **Digital Imaging and Sequential Art (Digital Art II)** (3)
 In-depth study of a specific area of interest in computer art as it relates to design, illustration, painting, or art history. Desktop video editing and two-dimensional animation techniques included. Students asked to develop individual projects. Six hours of laboratory per week. Prerequisite: ART 333.
- ART 335** **Intermediate Painting I** (3)
 Techniques related to acrylic and oil painting with emphasis on individual expression and experimentation with mixed media. Six hours of laboratory per week. Prerequisites: ART 131, ART 132, ART 231, and ART 232.
- ART 336** **Intermediate Painting II** (3)
 Continuation of ART 335. Six hours of laboratory per week. Prerequisite: ART 335.
- ART 337** **Printmaking I** (3)
 Methods and materials used in producing black and white multiple edition prints from linoleum blocks, lithographic stones and metal plates. Six hours of laboratory per week.
- ART 338** **Printmaking II** (3)
 Continuation of ART 337 with the production of multiple editions of color prints. Six hours of laboratory per week. Prerequisite: ART 337.
- ART 339** **Two-Dimensional Art and Artists** (3)
 Current issues and research findings related to the application of studio and certification methods and techniques in watercolor, pastels and colored pencils for studying two-dimensional art and the artists recognized in the field. One hour of lecture and three hours of laboratory per week.
- ART 370** **Studies in Art I** (3)
 General and certification course for the study of simple, inexpensive art techniques that includes the psychology of creativity. Projects include drawing, painting, design, printmaking, and collage techniques. Certification techniques for artists of all ages and challenged youth are investigated. One hour of lecture and three hours of laboratory per week.
- ART 371** **Studies in Art II** (3)
 General course for advanced art techniques which include the psychology of creativity. Projects include the research of sculptured and craft techniques used by folk artists. One hour of lecture and three hours of laboratory per week.
- ART 400** **Exhibition** (3)
 Independent study course which requires public exhibition of a body of work that is required of all graduating art majors during their senior year. Students are responsible for the installation of exhibit, programs, invitations, photographic documentation, and a philosophical paper. All graduating seniors must have had a pre-show before enrolling in this course. The EXIT examination will be administered in this course.
- ART 402** **Independent Study in Art Research** (3)
 Independent study in art history and certification, including research and curating an art exhibition. May be repeated up to three enrollments. Prerequisite: Consent of the instructor.
- ART 431** **Advanced Drawing I** (3)
 Drawing techniques and composition, including interior perspective, foreshortening of live subjects and still life objects. Rendering techniques explored in depth. Three hours of laboratory per week. Prerequisite: ART 131 and 132.

ART 432	Advanced Drawing II Course utilizing African Art as the model for anatomical studies. Three hours of laboratory per week. Prerequisite: ART 431.	(3)
ART 433	Advanced Painting Independent study course for students specializing in painting that explores all media related to painting. Prerequisites: ART 335 and ART 336.	(3)
ART 434	Mural Painting Independent study course in mural painting techniques. Prerequisites: ART 231 and ART 232. Required course for all art majors.	(3)
ART 436	Three-Dimensional Art and Artists II Advance Studio techniques in three-dimensional art with emphasis on the study of noted artists in the field and certifications applications. One hour of lecture and three hours of laboratory per week. Prerequisite: ART 339.	(3)
ART 437	Printmaking III Methods and techniques used in the production of black and white linoleum and lithographic multiple edition prints utilizing original drawings with an individual creative approach to subject matter. Six hours of laboratory per week. Prerequisites: ART 337 and ART 338.	(3)
ART 438	Printmaking IV Production of multiple editions of color linoleum and lithographic prints utilizing original drawings with an individual creative approach to subject matter. Six hours of laboratory per week. Prerequisites: ART 437.	(3)
ART 439	Design and Illustration Computer based study of studio production techniques, design elements, media choice, typography, and conceptual imagery. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, and ART 333.	(3)
ART 440	Screen Printing / Design Techniques used in screen-printing of numbered edition prints, fabrics, wallpaper, tiles, plastics, and other media with both fine art and industrial applications explored. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, Art 333 and Art 439.	(3)

THEATRE COURSES

THEA 111	Production Practicum Supervised work in an area of technical theatre in support of the theatre season. Students repeat through 4 semesters.	(1)
THEA 130	Introduction to Theatre Overview of the theatre -- its aesthetics, theory, history, and relationships to other elements of society. May be used to satisfy aesthetics requirement for the various undergraduate degrees offered through the University. Three hours of lecture per week. Listed as DRAM 1310 in the Texas Common Course Numbering System.	(3)
THEA 151	Basic Technical Theatre Overview of fundamental principles of scenery construction and rigging, makeup, lighting, and costume. Dismantling and storing of scenery also included. One hour of lecture and four hours of laboratory per week.	(3)

THEA 152	<p>Basic Technical Theatre Continued and Basic Stage Lighting (3)</p> <p>Advanced study including research application of principles of scenery construction and rigging, makeup, lighting, and costume. Actual responsibility in the lighting of scenes of plays required. Dismantling and storing of scenery including additional lighting equipment required. One hour of lecture and four hours of laboratory per week.</p>
THEA 231	<p>Elements of Acting (Acting I) (3)</p> <p>Movement, voice, and character analysis. Three hours of lecture per week. Prerequisite: THE 130 or consent of the instructor. Listed as DRAM 1351 in the Texas Common Course Numbering System.</p>
THEA 232	<p>Elements of Acting II (Acting II) (3)</p> <p>Advanced study of movement, voice and character analysis. Three hours of lecture per week. Prerequisite: THE 130 or consent of the instructor. Listed as DRAM 1352 in the Texas Common Course Numbering System.</p>
THEA 240	<p>Oral Interpretation (3)</p> <p>Emphasis on understanding literature through the study of meaning, imagery, mood, and theme. Analysis and development of techniques of presentation. Three hours of lecture per week. Prerequisite: SC 140 or consent of the instructor.</p>
THEA 251	<p>Scene Design I (3)</p> <p>Development of scenic design; principles of perspective and balance; types of scenery; painting and decorating scenery. One hour of lecture and four hours of laboratory per week.</p>
THEA 252	<p>Scene Designs II (3)</p> <p>Development of scenic design, principles of perspective and balance; types of scenery; painting and decorating scenery. One hour of lecture and four hours of laboratory per week.</p>
THEA 253	<p>Stage Lighting (3)</p> <p>Introduction to principles and practices of stage lighting design. Practical training in use of color, lighting instruments, and control. Includes production participation. Two hours of lecture and two hours of laboratory per week.</p>
THEA 331	<p>Intermediate Acting (3)</p> <p>A continuation of self-discovery and script analysis, focused more directly toward developing the skills necessary to create characterization in monologues and scenes from contemporary plays. Prerequisite: THEA 231 Elements of Acting.</p>
THEA 341	<p>Stage Makeup (3)</p> <p>Theory and practice of the design and application of makeup for stage, television, and film. Two hours of lecture and two hours of laboratory per week.</p>
THEA 332	<p>Playwriting (3)</p> <p>Introduction to theory, form, and materials used in the art and craft of playwriting; analysis of plays and assignments in imaginative writing. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor.</p>
THEA 334	<p>Play Directing (3)</p> <p>Study of the principles and techniques of play direction. Students must direct a one-act play. One hour of lecture and four hours of laboratory per week. Prerequisite: THC 231 or consent of the instructor.</p>
THEA 337	<p>History of Theatre I (3)</p> <p>Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.</p>
THEA 338	<p>History of Theatre II (3)</p> <p>English and Continental theatre from the 17th century to the 20th century. Three hours of lecture per week.</p>

THEA 351	Stage Lighting Introduction to the principles and practices of stage lighting design. Prerequisites: THEA 151	(3)
THEA 339	African American Drama Analytical study of selected Black playwrights and their plays from the past to the present. Emphasis on the influences on style, form, and content. Three hours of lecture per week.	(3)
THEA 430	Musical Theatre Introduction to Musical Theatre. Providing instruction in basic techniques of singing, dancing, acting and audition techniques. Prerequisite: Consent of Instructor. Available to music majors.	(3)
THEA 431	Styles of Acting Advanced training in character work, styles of acting, and performance with emphasis on individual acting problems. Three hours of lecture per week. Prerequisite: THC 231 or consent of the instructor.	(3)
THEA 436	History of Costumes An overview of historical periods of dress as they affect play production. Three hours of lecture per week.	(3)
THEA 438	Modern Drama Literature of theatre from late 19 th – 21 st century, changes in style, and modern revolutionary patterns. Three hours of lecture per week.	(3)
THEA 458	Children's Theatre Students will receive training in working with children as they prepare to mount a theatre production that will be presented at the end of the course. Three hours of lab per week.	(3)
THEA 451	Advanced Design and Technology Guided projects in students area of interest including: Scenic Design, Lighting Design, Costume Design, and Technical Theatre. Prerequisites: THEA 251, THEA 351, or consent of the instructor.	(3)
THEA 457	Creative Dramatics for Children Techniques employed in selecting, mounting, directing and presenting plays for children. Three hours of lecture per week.	(3)
THEA 491	Senior Project for Theatre Minors Design and production of one complete project in student's area of expertise. Includes activity point assessment. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.	(3)
THEA 492	Theatre / Cinema Practicum II Same as THC 491, but offered during the spring semester only. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.	(3)
THEA 497	Research in Theatre Performance or Technical Theatre Open to senior majors only. Prerequisites: Consent of the instructor and the Faculty Chair.	(3)
THEA 498	Theatre Internship Students complete internships at local professional theatres. Emphasis is on the development of professional practices and experiences. Open to senior majors only. Open to senior majors only. Prerequisites: THEA 497, consent of the instructor,, and consent of the Faculty Chair.	(3)
THEA 499	Senior Project for Theatre Majors Senior project must be presented showcasing talent in either performance or technical theatre. Open to Graduating Senior majors only. Prerequisites: THEA 498, consent of the instructor, and consent of the Department Chair. The EXIT examination will be administered in this course.	(3)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN ART with minor without concentration
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR	OTHER REQUIREMENTS	MINOR OR REQUIREMENTS
42 credits	EQUIVALENT	52 credits	6 credits	21 credits
Communication:		ART 132 (3)	ART 131 (3) plus one of the following:	Contact department of choice after being admitted as an Art major and after being advised by the major advisor.
ENG 131 (3) **	ENGL 1301	ART 133 (3)	ART 237 (3)	
ENG 132 (3)	ENGL 1302	ART 134 (3)	ART 339 (3)	
Mathematics:		ART 137 (3)	ART 370 (3)	
MATH 132 (3) or MATH 133 (3)	MATH 1322 or MATH 1314	ART 139 (3)	ART 436 (3)	
Life and physical sciences:		ART 201 taken 8 x for a total of (4)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 231 (3)		
GEOL 141 (3)	GEOL 1303	ART 232 (3)		
Language, philosophy, and culture:		ART 235 (3)		
ENG 2xx (3) ***		ART 236 (3)		
Creative arts:		ART 321 (3)		
ART 135 (3)	ARTS 1301	ART 322 (3)		
American history:		ART 331 (3)		
HIST 231 (3)	HIST 1301	ART 335 (3)		
HIST 232 (3)	HIST 1302	ART 337 (3)		
Government/political science:		ART 400 (3)		
POLS 235 (3)	GOVT 2305	ART 434 (3)		
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
ART 233 (3)	ARTS 2313			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** Students considering graduate school are strongly encouraged to enroll in College Algebra

****ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

*****Social and Behavioral Science electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, and SOCI 2346).

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

**BACHELOR OF ARTS IN ART (WITH MINOR AND WITHOUT CONCENTRATION)
DEGREE PLAN - TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	Art 131 Drawing and Composition I	3	Art 132 Drawing and Composition II	3
	Art 133 Creative Design I	3	Art 134 Creative Design II	3
	Art 135 Topics in Contemporary Art & Culture	3	Art 201 Art Seminar	0
	Art 201 Art Seminar	0	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	ART 233 Intro to Computer Generated Art	3
	CHEM 131 General Chemistry I or BIOL 143 Survey of Life Sciences	3	ART 139 African American Art and Culture	3
	16 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Art 201 Art Seminar	0	Art 201 Art Seminar	0
	Art 235 Art History I	3	Art 232 Elementary Painting	3
	Art 231 Elemenatry Painting I	3	Art 236 Art History II	3
	MATH 132 Math for Liberal Arts I or MATH 133 College Algebra*	3	Social and Behavioral Science Option***	3
	HIST 231 Soci & Pol History of the US Before 1877	3	HIST 232 Soc & Pol History of the US since 1877	3
	Eng 2XX**	3	PolS 235 American Government	3
	15 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Art 201 Art Seminar	1	Art 201 Art Seminar	1
	Art Elective	3	Art 322 Life Sketch II	3
	Art 331 Sculpture I	3	Art 335 Intermediate Painting I	3
	Art 321 Life Sketch I	4	GEOL 141 Intro to the Earth	3
	POLS 236 Texas Government	3	Minor	4
	Art 137 Intro to African Art	3	SC 135 Business & Professional Com or SC 136 Public Address	3
	16 hrs		16 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Art 201 Art Seminar	1	Art 201 Art Seminar	1
	Art 337 Printmaking I	3	Art 400 Exhibition	3
	Art 434 Mural Painting	3	Art Elective	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	16 hrs		13 hrs	

* Students considering graduate school are strongly encouraged to enroll in College Algebra.

*****ENG 230, ENG 231, ENG 235, or ENG 244

***Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221, and SOC 238

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN ART with Concentration and without Minor
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR	OTHER REQUIREMENTS	CONCENTRATION
42 credits	EQUIVALENT	52 credits	6 credits	21 credits
Communication:		ART 131 (3) ART 132 (3)	Select from:	ART HISTORY/ EDU. ^^:
ENG 131 (3) **	ENGL 1301	ART 133 (3)	ART 237 (3)	ART 137 (3) ART 402 (3)
ENG 132 (3)	ENGL 1302	ART 134 (3)	ART 371 (3)	ART 339 (3) ART 370 (3)
Mathematics:			ART 435 (3)	ART 436 (3)
MATH 132 (3) or MATH 133 (3)	MATH 1322 or MATH 1314	ART 139 (3)		UPPER ELECTIVE (6)
Life and physical sciences:		ART 201 taken 8x for a total of (4)		DESIGN/ PRINTMAKING:
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 231 (3)		ART 303 (3)
GEOL 141 (3)	GEOL 1303	ART 232 (3)		ART 336 (3) ART 431 (3)
Language, philosophy, and culture:		ART 235 (3)		ART 432 (3)
ENG 2xx (3) ***		ART 236 (3)		ART 433 (3)
Creative arts:		ART 321 (3)		UPPER ELECTIVE (6)
ART 135 (3)	ARTS 1301	ART 322 (3)		DRAWING/ PAINTING:
American history:		ART 331 (3)		ART 303 (3)
HIST 231 (3)	HIST 1301	ART 335 (3)		ART 336 (3)
HIST 232 (3)	HIST 1302	ART 337 (3)		ART 431 (3)
Government/political science:		ART 400 (3)		ART 432 (3)
POLS 235 (3)	GOVT 2305	ART 434 (3)		ART 433 (3)
POLS 236 (3)	GOVT 2306			UPPER ELECTIVE (6)
Social and behavioral sciences:				

Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
ART 233 (3)	ARTS 2313			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ART 131 meets Visual & Performing Arts requirement.

**** Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.

***** ART 233 Intro to Computer Generated Art and Design substitutes for CS 116 as the core computer requirement.

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

^^ Art History/Certification prepares students for Museum Studies and students are expected to assist with a minimum of two Museum exhibitions.

**BACHELOR OF ARTS IN ART
WITH CONCENTRATION AND WITHOUT MINOR
DEGREE PLAN - TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	Art 131 Drawing and Composition I	3	Art 132 Drawing and Composition II	3
	Art 133 Creative Design I	3	Art 134 Creative Design II	3
	Art 135 Topics in Contemporary Art & Culture	3	Art 139 African American Art & Culture	3
	Art 201 Art Seminar	0	Art 201 Art Seminar	0
	Eng 131 Freshman English I	3	Eng 132 Freshman English II	3
	Math 132 (3) Math for Liberal Arts I or Math 133 (3) College Algebra*	3	Chem 131 General Chemistry I or Biol 143 Survey of Life Science	3
	16 hrs		15hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Art 201 Art Seminar	0	Art 201 Art Seminar	0
	GEOL 141 Introduction to the Earth	3	ART 232 Elementary Painting II	3
	ART 235 Art History I	3	ART 237 Ceramic & Poetry I	3
	ART 233 Intro to Computer Generated Art	3	ART 236 Art History II	3
	HIST 231 Soc & Pol History of the US before 1877	3	SC 135 Business and Professional com or SC 136 Public Address	3
	ART 231 Elementary Painting I	3	HIST 232 Soc & Pol History of the US since 1877	3
	15 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ART 201 Art Seminar	1	ART 201 Art Seminar	1
	ART 335 Intermediate Painting I	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	ART 331 Sculpture I	3
	ENG 2xx**	3	Art Elective 100-200 Level	3
	ART 321 Life Sketch I	3	Social and Behavioral Science Option***	3
	ART 337 Printmaking I	3	ART 322 Life Sketch II	3
	16 hrs		16 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ART 201 Art Seminar	1	ART 400 Exhibition	3
	ART 434 Mural Painting	3	Concentration	3
	Concentration	3	Concentration	3
	Concentration	3	Concentration	3
	Concentration	3	ART 201 Art Seminar	1
	Concentration	3		
	16 hrs		13 hrs	

* Students considering graduate school are strongly encouraged to enroll in College Algebra.

**ENG 230, ENG 231, ENG 235, or ENG 244

***Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221, and SOC 238

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN ART Teacher Certification Concentration
TOTAL CREDITS REQUIRED: 130**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR	OTHER REQUIREMENTS	CONCENTRATION
42 credits	EQUIVALENT	55 credits	0 credits	33 credits
Communication:		ART 131 (3) ART 132 (3)		Enroll in the College of Education Certification program & art studies courses
ENG 131 (3) **	ENGL 1301	ART 133 (3)		
ENG 132 (3)	ENGL 1302	ART 134 (3)		
Mathematics:		ART 137 (3)		Certification:
MATH 132 (3) or MATH 133 (3) ***	MATH 1322 or MATH 1314	ART 139 (3)		EDCI 210 (3) EDCI 310 (3)
Life and physical sciences:		ART 201 taken 8x for a total of (4)		EDCI 328 (3) EDCI 339 (3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 231 (3)		EDCI 350 (3) EDCI 400 (3)
GEOL 141 (3)	GEOL 1303	ART 232 (3)		EDCI 468 (3)
Language, philosophy, and culture:		ART 235 (3)		ART Studies / Cerficiation
ENG 230 (3) or ENG 231 (3) ****	ENGL 2332 or ENGL 2333	ART 236 (3) ART 237 (3)		ART 370 (3)
Creative arts:		ART 321 (3)		ART 339 (3)
ART 135 (3)	ARTS 1301			ART 402 (3)
American history:		ART 331 (3)		
HIST 231 (3)	HIST 1301	ART 335 (3)		
HIST 232 (3)	HIST 1302	ART 337 (3)		
Government/political science:		ART 400 (3)		
POLS 235 (3)	GOVT 2305	ART 434 (3)		
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
ART 233 (3)	ARTS 2313			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ART 131 meets Visual & Performing Arts requirement.

**** Social and Behavioral Sciences electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, and ECON 232.

***** ART 233 Intro to Computer Generated Art and Design substitutes for CS 116 as the core computer requirement.

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

^^33 hours are required for professional certification in all level art education. Students must earn grades of "c" or higher in all courses, including the Core Curriculum.

**BACHELOR OF ARTS IN ART
TEACHER CERTIFICATION CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 130**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ART 131 Drawing and Composition I	3	ART 132 Drawing and Composition II	3
	ART 133 Creative Design I	3	ART 134 Creative Design II	3
	ART 135 Topics in Contemporary Art and Culture	3	SC 135 Business and Professional Com or SC 136 Public Address	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132 Math for Liberal Arts I or MATH 133 College Algebra*	3	ART 137 Intro to African Art	3
	16 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ART 231 Elemenatry Painting I	3	ART 232 Elementary Painting II	3
	ART 233 Intro to Computer Generated Art	3	ART 236 Art History II	3
	CHEM 131 General Chemistry I or BIOL 143 Survey of Life Science	3	ART 201 Art Seminar	0
	ART 201 Art Seminar	1	HIST 232 Soc and Pol History of the US since 1877	3
	ART 235 Art History I	3	GEOL 141 Introduction to the Earth	3
	HIST 231 Soc and Pol Science of the US before 1877	3	Social and Behavioral Science Option***	3
	16 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ENG 230 World Literatire I or ENG 231 World Literature II	3	ART 331 Sculpture I or 436	3
	ART 237 Ceramic Pottery I	3	ART 339 Two-Dimensional Art & Artists	3
	ART 321 Life Sketch I	3	ART 434 Mural Painting	3
	ART 201 Art Seminar	1	ART 335 Intermediate Painting I	3
	ART 370 Studies in Art I	3	ART 201 Art Seminar	1
	POLS 235 American Government	3	POLS 236 Texas Government	3
	16 hrs		16 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 210 Instructional Technology I	3	ART 400 Exhibition	3
	ART 337 Printmaking I	3	EDCI 310 Field Based I -Performance Focused Teaching	3
	ART 139 African American Art & Culture	3	EDCI 328 Field Based II - Performance Focused Teaching	3
	ART 402 Independent Study in Art Research	3	EDCI 339 Classroom Management	3
	RDG 400 Middle School Reading	3	EDCI 350 Designing & Implementing Instruction & Assessment	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	1
EDCI 468 Directed Student Teaching - All Levels	3	EDCI 468 Directed Student Teaching - All Levels	3	
	18 hrs		19 hrs	

* Students considering graduate school are strongly encouraged to enroll in College Algebra.

**ENG 230, ENG 231, ENG 235, or ENG 244

***Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221, and SOC 238

Minor in Art (22 credit hours)	
Required (13hrs.)	Upper Level Art Elective (9hrs.)
Art 131 Drawing (3)	
Art 133 Design (3)	Art 339, 370, 371, 331, 337, 436
Art 201 Seminar (1)	
Art History Choice (3)	
135, 137, 139, 235, 236)	
ART 231 (3)	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN THEATRE
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS	CONCENTRATION
42 credits	EQUIVALENT	52 credits	6 credits	21 credits
Communication:		THEA111 (1) X 4	Foreign Language (6)	Select one of the following concentrations
ENG 131 (3) **	ENGL 1301	THEA 130 (3)		Performance:
ENG 132 (3)	ENGL 1302	THEA 151 (3) THEA 231 (2) THEA 240 (3)		SC 140 (3) THEA 331 (3) THEA 431 (3)
Mathematics:		THEA 251 (3)		PE 108 OR 110 (1)
MATH 132 (3) or MATH 133 (3) ***	MATH 1322 or MATH 1314	THEA 332 (3) THEA 334 (3)		MUSI 173 (3) MUSI 174 (3)
Life and physical sciences:		THEA 337 (3) THEA 338 (3)		APPLIED ELECTIVES FROM THEA (9)****
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	THEA 339 (3) THEA 341 (3)		
CHEM 132 (3) or BIOL 135 (3) or PHYS 237 (3)	CHEM 1312 or BIOL 2301 or PHYS 1301	THEA 351 (3)		Technical Theatre:
Language, philosophy, and culture:		THEA 438 (3) THEA 497 (3)		ART 131 (3) ART 132 (3)
ENG 2xx (3) ***		THEA 498 (3)		ART 231 (3)
Creative arts:		THEA 499 (3)		THEA 436 (3)
MUSI 131 (3)	MUSI 1301			THEA 451 (3)
American history:				APPROVED ELECTIVES FROM THEA (6)*****
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				

Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3) or ART 233 (3)	COSC 1301 or ARTS 23			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

***Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

***ENG 230, ENG 231, ENG 235, ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****Social and Behavior Sciences Options include: SOC 157, 158, 221, 238, GEOG 132, or PSY 131

*****Approved electives for Performance Concentration include: TEA 430, 436, 450, 451, 457, 458

*****Approved electives for Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458.

BACHELOR OF ARTS IN THEATRE
Performance Concentration
DEGREE PLAN - TOTAL CREDITS: 121

First Year	FIRST SEMESTER		SECOND SEMESTER	
	THEA 130 Introduction to Theatre	3	SC 140 Voice and Diction	3
	THEA 151 Basic technical Theatre	3	SC 135 Business and Professional Com or SC 136 Public Address	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	CHEM 131 General Chemistry or BIOL 143 Survey of Life Science	3	Social and Behavioral Sciences Option**	3
	MATH 132 Math for Liberal Arts I or MATH 133 College Algebra*	3	MUSI 131 Introduction to Music	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	THEA 111 Prod Practicum	1	THEA 111 Prod Practicum	1
	THEA 231 Elements of Acting	3	THEA 240 Oral Interpretation	3
	THEA 251 Scene Design	3	THEA 351 Stage Lighting	3
	CHEM 132 General Chemistry II BIOL 135 Anatomy & Physiology I GEOL 141 Introduction to the Earth	3	CS 116 Intro to Computer Science I or ART 233 Intro to Computer Generated Art	3
	HIST 231 Soc & Political History US to 1877	3	HIST 232 Soc & Political History US since 1877	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
		16 hrs		16 hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	THEA 111 Prod Practicum	1	THEA 111 Prod Practicum	1
	THEA 332 Playwriting	3	THEA 497 Research Topics	3
	THEA 337 History of Theatre I	3	THEA 331 Intermediate Acting	3
	ENG 2xx***	3	THEA 338 History of Theatre	3
	MUSI 173 Voice I	1	MUSI 174 Voice II	1
	Foreign Language	3	Foreign Language	3
	PE 108 Modern Dance I or PE 110 Folk & Square Dance	1		
	15 hrs		14 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	THEA 498 Internship	3	THEA 499 Senior Project	3
	THEA 438 Modern Drama	3	THEA 431 Styles of Acting	3
	THEA 341 Stage Makeup	3	THEA 339 African American Theatre	3
	Elective****	3	THEA 334 Play Directing	3
	Elective****	3	Elective****	3
	15 hrs		15 hrs	

* Students considering graduate school are strongly encouraged to enroll in College Algebra.

**ENG 230, ENG 231, ENG 235, or ENG 244

***Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221, and SOC 238

****Approved electives for Performance Concentration include: THEA 430, 436, 450, 451, 457, and 458.

**BACHELOR OF ARTS IN THEATRE
TECHNICAL CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	THEA 130 Intro to Theatre	3	ART 132 Drawing and Composition II	3
	THEA 151 Basic Technical Theatre	3	CS 116 Intro to Computer Science I or ART 233 Intro to Computer Generated Art	3
	ENG 131 Freshman English	3	ENG 132 Freshman English II	3
	CHEM 131 General Chemistry or BIOL 143 Survey of Life Science	3	Social and Behavioral Science Option*	3
	ART 131 Drawing and Composition I	3	MATH 132 Math for Liberal Arts I or MATH 133 College Algebra**	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	THEA 111 Prod Practicum	1	THEA 111 - Prod Practicum	1
	THEA 231 Elements of Acting	3	THEA 351 - Stage Lighting	3
	THEA 251 Scene Design	3	ART 231	3
	CHEM 132 General Chemistry II or BIOL 135 Anatomy & Physiology I or GEOL 141 Introduction to the Earth	3	SC 135 Business and Professional Com or SC 136 Public Address	3
	HIST 231 Soc & Political History US to 1877	3	HIST 232 Soc & Political History US since 1877	3
POLS 235 American Government	3	POLS 236 Texas Government	3	
	16 hrs		16 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	THEA 111 Prod Practicum	1	THEA 111 Prod Practicum	1
	THEA 240 Oral Intepretation	3	THEA 497 Research Topics	3
	THEA 337 History of Theatre I	3	THEA 334 Play Directing	3
	THEA History of Costumes	3	THEA 338 History of Theatre II	3
	ENG 2xx***	3	Foreign Language	3
Foreign Language	3			
	16 hrs		13 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	THEA 498 Internship	3	THEA 499 Senior Project	3
	THEA 332 Playwriting	3	THEA 451 Advanced Design & Tech	3
	THEA 341 Stage Makeup	3	THEA 339 African American Theatre	3
	THEA 438 Modern Drama	3	Elective	3
	Elective****	3	MUSI 131 Introduction to Music	3
	15 hrs		15 hrs	

* Students considering graduate school are strongly encouraged to enroll in College Algebra.

**Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221, and SOC 238

***ENG 230, ENG 231, ENG 235, or ENG 244

**** Approved electives for Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458.

DEGREE PLAN MINOR IN THEATRE (21 CREDIT HOURS)
THEATRE MINOR (21 CREDITS)
THEA 130 (3): Introduction to Theatre
THEA 151 (3): Basic Technical Theatre
THEA 231 (3): Elements of Acting
THEA 337 or 338 (3): History of Theatre I or II
THEA 491 (3): Senior Project for Theatre Minors
Approved Elective (3)***
Approved Elective (3)***

***Approved Electives include THEA 331, 332, 334, 337 or 338, 339, 341, 351, 430, 431, 436, 438, 450, 451, 457, 458.



BARBARA JORDAN - MICKEY LELAND
SCHOOL OF PUBLIC AFFAIRS

BARBARA JORDAN - MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

OVERVIEW

An extensive set of curricular offerings is provided through the Barbara Jordan-Mickey Leland School of Public Affairs (BJ-ML SPA) that includes undergraduate courses in Administration of Justice (AJ), Political Science (POLS), Public Affairs (PA), and Emergency Management and Homeland Security (EMHS). From these offerings, students can earn up to four undergraduate degrees: **Bachelor of Science (B.S.) in Administration of Justice, Bachelor of Arts (B.A.) in Political Science, Bachelor of Science (B.S.) in Public Affairs, and Bachelor of Science (B.S.) in Emergency Management and Homeland Security.**

At the graduate level, degrees are offered as follows: Master of Science (M.S.) in Administration of Justice, Executive Master of Science (E.M.S.) in Administration of Justice, Doctor of Philosophy (Ph.D.) in Administration of Justice, Master of Public Administration (M.P.A.), Executive Master of Public Administration (E.M.P.A.), Master of Urban Planning and Environmental Policy (M.U.P.), and Doctor of Philosophy (Ph.D.) in Urban Planning and Environmental Policy.

In addition to course and degree offerings, students with majors in other departments may declare minors in the undergraduate disciplines offered through this School: Administration of Justice, Political Science, Public Affairs, Pre-Law Studies, Emergency Management and Homeland Security, Forensic Science, Military Science, Air Force Leadership, and Naval Science. Faculty and staff are housed on the fourth floor of the Barbara Jordan –Mickey Leland School of Public Affairs Building.

The Barbara Jordan – Mickey Leland School of Public Affairs occupies a 4-story facility with “smart” classrooms and the latest in multimedia technology. This first-class facility houses a state of the art Survey Research Laboratory, a Forensic Laboratory, a Government Decision making Laboratory (used for legislative and judicial simulations), a cutting-edge Geographic Information System (GIS) Laboratory that provides 3D modeling resources, and a Site Design Laboratory. The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement.

Referral should be made to the Graduate School Bulletin of Texas Southern University for detailed information on the School’s graduate degree programs. A summary of the degrees and programs, by name, appears in the chart below:

Programs	Degrees
Administration of Justice	Bachelor of Science in Administration of Justice Master of Science in Administration of Justice Executive Master of Science in Administration of Justice Doctor of Philosophy in Administration of Justice
Political Science	Bachelor of Arts in Political Science Bachelor of Science in Public Affairs Bachelor of Science in Emergency Management and Homeland Security Master of Public Administration Executive Master of Public Administration
Urban Planning and Environmental Policy	Master of Urban Planning and Environmental Policy Doctor of Philosophy in Urban Planning and Environmental Policy

The School is administratively organized with a Dean who is assisted by an Associate Dean for Academic Affairs and support staff. Administrative offices are located on the fourth floor of the Barbara Jordan-Mickey Leland School of Public Affairs Building.

MISSION STATEMENT

The mission of the Barbara Jordan – Mickey Leland School of Public Affairs is to serve as an urban focused community of learning dedicated to educating professionals who will plan and administer environmentally healthy and sustainable communities at the local, state, national, and international levels of society.

Students in the Barbara Jordan-Mickey Leland School of Public Affairs who successfully complete their degree programs become well versed in the theories, concepts, and practical procedures of the challenging world of public policy making and administration of justice. Their majors help prepare them for effective participation in government, non-governmental organizations, and private sector careers. An excellent background is also provided for students interested in pursuing careers in the legal profession as well as in a wide variety of graduate and professional school programs.

GENERAL SCHOOL POLICIES

Students wishing to pursue one of the three undergraduate degrees offered through the School must first gain admission to the University, must satisfy all university application requirements, and must petition the School for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following four courses with grades of “C” or better (grades of “C-” are unacceptable): POLS 235 (American Government), POLS 236 (Texas Government), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the School, students are each assigned an official advisor who must approve all class schedules. Students must keep the School Office informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the School. Students failing to meet prerequisites for courses will be withdrawn, administratively, from them. Students are also cautioned that transfer credits will be accepted for required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).

GOOD ACADEMIC STANDING

Good academic standing constitutes maintaining a minimum cumulative grade point average (GPA) set by the University as referenced under the academic regulations described in chapter two of this document.

ADVISING

All students are assigned an academic advisor who will assist them with academic planning and learning about career options that relate to their programs. During each registration period, students and their advisors select courses consistent with the overall degree objectives. With their advisors, students learn to explore academic interests, to recognize academic strengths, and to identify resources to address weaknesses.

STUDENT SUPPORT SERVICES

The Office of Student Support Services is available to all students to help with questions about admissions, academic majors and minors, course requirements, career and degree plans, and other student related matters. It is to assist students with identifying faculty advisors and mentors. This office also refers students to other campus offices for assistance in academic, personal, and career counseling initiatives; academic skill development and financial aid.

STUDENT ORGANIZATIONS

Student organizations are an integral part of student life at Texas Southern University. Five program-related student organizations operate in the Barbara Jordan-Mickey Leland School of Public Affairs at the undergraduate level. Three are open to all students in the School. They are the Administration of Justice Club, the Political Science Club, and the Public Affairs Club. The other two are national honor societies: Alpha Phi Sigma, the Criminal Justice Honor Society, and Pi Sigma Alpha, the National Political Science Honor Society.

ACCREDITATION

All programs in the Barbara Jordan-Mickey Leland School of Public Affairs are accredited by Commission on College of the Southern Association of Colleges and Schools.

RIGHT TO MODIFY

The University reserves the right to change, without prior notice, any policy or procedure, tuition or fee, curricular requirements, or any other information found in this bulletin. The information contained in this bulletin is considered to be descriptive in nature and not contractual. It is recommended that students, faculty, and staff refer to the most current academic policies and procedures.

DESCRIPTION OF PROGRAMS IN THE SCHOOL

The Barbara Jordan – Mickey Leland School of Public Affairs, named for two of Houston’s most distinguished public servants, is an outstanding undergraduate program at one of the nation’s largest Historically Black Colleges and Universities. The unique urban mission of Texas Southern University and its location in the heart of Houston make it the perfect vantage point to develop a foundation of academic status. The University is located in the city’s historic Third Ward and the entire metropolitan region offers an unparalleled urban laboratory for students to learn.

The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement.

The Barbara Jordan – Mickey Leland School of Public Affairs has a reputation as a comprehensive center for sound academic research. Administration of Justice scholars focus on the correlates of crime, police violence, terrorism, ethics, environmental justice, the interplay of race and crime, and the various legal and justice systems. Political Science scholars focus on public opinion and political attitudes, political participation, African-American politics, race and politics, religion and politics, race and governance, policy studies, leadership, E-government, emergency management, and homeland security. Scholars in Urban Planning and Environmental Policy focus on urban transportation, housing and community development, Diaspora studies, environmental planning, economic development and the fiscal responsibility of urban governments, and an array of environmental issues and conditions.

The Barbara Jordan – Mickey Leland School of Public Affairs has established strategic partnerships with numerous public and private sector entities. These partnerships offer our students unique opportunities to gain hands-on skills and establish contacts and references for the future.

Requirements for the B.S. in Administration of Justice, the B.A. in Political Science, the B.S. in Public Affairs, and the B.S. in Emergency Management and Homeland Security are specified, in detail, below within the department descriptions. **As first-time degree seekers, AJ, POLS, and PA students are required to declare a minor in a second academic discipline either through the School or through a different college or school for graduation. Only majors in Emergency Management and Homeland Security are exempt from declaring a minor. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.** At the beginning of the senior year, majors should have their overall transcripts and records evaluated by their advisor to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**

LISTING OF FACULTY IN THE SCHOOL

<p>Bullard, Robert D. Professor & Dean B.S., Alabama A&M University M.A., Atlanta University Ph.D., Iowa State University</p>	<p>Johnson, Glenn S. Assoc. Dean & Associate Professor – Urban Planning & Environmental Policy B.A., B.A., M.A., Ph.D., - University of Tennessee</p>
<p>Mangum, Maruice Int. Assoc. Dean & Associate Professor – Political Science B.A., - University of Iowa M.A., - Ohio State University Ph.D., - Louisiana State University</p>	<p>Nance, Earthea Assoc. Dean, & Associate Professor – Political Science & Urban Planning & Environmental Policy B.S., M.S., University of California- Davis Ph.D., Stanford University</p>
<p>Adams, Michael O. Professor, Program Director & Interim Chair – Political Science B.A., Tougaloo College M.A., Ph.D., Atlanta University</p>	<p>Aiyer, Jay Assistant Professor – Political Science B.A., M.P.A., University of Texas at Austin J.D., South Texas College of Law</p>
<p>Baker, David Interim Chair & Associate Professor – Administration of Justice B.A., M.A., Ph.D., York University</p>	<p>Callaghan, Karen Associate Professor – Political Science M.A., Ph.D., SUNY at Stony Brook</p>
<p>Chandrasekhar, Divya Assistant Professor – Urban Planning & Environmental Policy M.S., University of Illinois at Urbana-Champaign Ph.D., University of Illinois at Urbana-Champaign</p>	<p>Christophe, Antoinette Assistant Professor – Political Science B.S., M.S., Southern University, M.S., Louisiana State University, Ph.D., Southern University,</p>
<p>Esechie, Jovita Visiting Assistant Professor – Political Science B.S., Columbia Pacific University M.P.A., Texas Southern University Ph.D., Texas Southern University</p>	<p>Ewoh, Andrew Professor – Political Science B.A., University of Louisiana at Lafayette M.P.A., Southern University M.A., Ph.D., University of Texas at Dallas</p>
<p>Gilbert, Sharlette Assistant Professor – Administration of Justice B.A., Prairie View A&M University M.A., Texas Southern University Ph.D., Prairie View A&M University</p>	<p>Georges-Abeyie, Daniel E. Professor – Administration of Justice B.A., Hope College M.A., University of Connecticut Ph.D., Syracuse University</p>
<p>Ibitayo, Olurominiyi Associate Professor – Urban Planning & Environmental Policy B.S., University of Ibadan M.S., Colorado State University M.S., Ph.D., Arizona State University</p>	<p>Johnson, Marva Assistant Professor – Political Science B.A., Tougaloo College MA., Atlanta University</p>
<p>Kalunta-Crumpton, Anita Professor – Administration of Justice B.S., University of Nigeria M.S., University of Calabar, Nigeria Ph.D., University of West London, United Kingdom</p>	<p>Lowe, Jeffery Associate Professor – Urban Planning & Environmental Policy B.B.A., Howard University M.C.R.P., Morgan State University Ph.D., Rutgers University</p>
<p>Majumdar, Sarmistha Assistant Professor – Urban Planning & Environmental Policy B.Sc., Lady Brabourne College M.A., Montclair State University M.C.R.P., Rutgers University Ph.D., Rutgers University</p>	<p>McCoy, Walter Professor – Urban Planning & Environmental Policy B.A., Huston-Tillotson College M.P.A., M.U.R.P., Ph.D., University of Pittsburgh J.D., South Texas College of Law</p>

<p>Mozayani, Ashraf Executive Director of Forensic Sciences/ Professor - Administration of Justice PharmD, University of Tehran, Iran Ph.D., D-ABFT</p>	<p>Mupier, Robert M. Associate Professor – Administration of Justice B.B.A., University of Kinshasa M.B.A., Western Illinois University D.A., Illinois</p>
<p>Nayer, Gautam Assistant Professor – Administration of Justice B.A., American University M.P.A., University of North Carolina at Pembroke Ph.D., Rutgers University</p>	<p>Olonilua, Ponmile Assistant Professor – Political Science B.A., Obafemi Awolowo University, Ile-Ife, Nigeria M.P.A., Ph.D., Texas Southern University</p>
<p>Onwudiwe, Ihekwoaba Professor & Department Chair – Administration of Justice B.A., Central State University M.S., Florida State University Ph.D., Florida State University</p>	<p>Opolot, James S. E. Professor – Administration of Justice B.A., M.A., Ph.D., Southern Illinois University</p>
<p>Pan, Qisheng Professor & Department Chair – Urban Planning & Environmental Policy B.S., Peking University M.S., Peking University M.S., University of Southern California Ph.D., University of Southern California</p>	<p>Perez-Feliciano, Luis Associate Professor – Political Science B.A., Florida International University M.A., Ph.D., Fordham University</p>
<p>Pizarro, Rafael Associate Professor – Urban Planning & Environmental Policy B.S., Pontificia Universidad Javeriana M.E.P., Arizona State University Ph.D., University of Southern California</p>	<p>Robinson, Carroll G. Associate Professor – Political Science J.D., George Washington University B.A., Stockton State College</p>
<p>Sen, Lalita Professor – Urban Planning & Environmental Policy B.S., University College Swansen, University of Wales M.S., Ph.D., Northwestern University</p>	<p>Smith, Sheri Associate Professor – Urban Planning & Environmental Policy B.S., George Washington University M.S., University of Illinois at Champaign Urbana Ph.D., Texas A & M University</p>
<p>Solitare, Laura Associate Professor – Urban Planning & Environmental Policy PhD, Rutgers University MURP, Virginia Commonwealth University BS, University of Connecticut</p>	<p>Tachia, Hon Richard Associate Professor – Administration of Justice B.S., University of Nigeria, Nsukka M.S., Iowa State University Ph.D., Oklahoma State University</p>
<p>Taylor-Greene, Helen Professor – Administration of Justice B.S., Howard University M.S., The American University M.A., Ph.D., University of Maryland</p>	<p>Woods, Don Anthony Professor – Political Science B.S., M.A., Tennessee State University Ph.D., University of Pittsburgh</p>

DEPARTMENT OF ADMINISTRATION OF JUSTICE

The Department of Administration of Justice offers courses in Administration of Justice (DAJ). It offers an undergraduate degree, Bachelor of Science (B.S.), in Administration of Justice. Students pursuing undergraduate degrees or majors in other departments where they are required to declare a minor may seek a minor in the Administration of Justice. The Department of Administration of Justice also offers a minor in Forensic Science (FS), Military Science (MSCI), Air Force Leadership (AFSC), and Naval Science (NAVA). Interested students may obtain information from the Department office located on the fourth floor of the Public Affairs Building. The Department of Administration of Justice offers a Master of Science (M.S.) degree in Administration of Justice and a Doctor of Philosophy (Ph.D.) in Administration of Justice. Administered fully online, the Department also offers the Executive Masters in Administration of Justice (eMAJ).

The mission of the Department of Administration of Justice is to educate students for careers and community service within a diverse urban environment through the development of specialized knowledge and skills needed for effective public service. The Department strives to prepare students with not only facts and concepts, but also encourages students to think critically and ethically in applying knowledge to related problems and challenging situations.

The curriculum presents subjects designed to develop competence for employment, leadership roles and for students planning careers in the judiciary, law enforcement, parole and probation, corrections, institutional services, security administration, homeland security, and other related career areas.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University. They must satisfy TSI requirements, eradicate identified deficiencies, and declare Administration of Justice as their major. To declare a major in Administration of Justice, students must have an earned overall GPA of 2.50 or better and have completed the following four courses with grades of “C” or better (grades of “C-” are unacceptable): POLS 235 (American Government), POLS 236 (Texas Government), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the Department, students are each assigned an Academic Advisor who must approve all class schedules. They must also keep the Department Office informed of current addresses and telephone numbers prior to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be administratively withdrawn from them. Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable) at an accredited educational institution.

Students wishing to pursue the B.S. in Administration of Justice are cautioned that a prior criminal conviction may be used to deny access or placement in various jobs in the criminal justice system, especially those related to the judiciary, law enforcement, detention, and corrections, even when the degree has been earned.

Requirements for the B.S. in Administration of Justice are specified in detail below. As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could influence the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. At the beginning of the senior year, majors should have their overall transcripts and records evaluated by their Academic Advisor to verify their status with regard to graduation. An exit examination is required of all graduating seniors.

For a minor in Administration of Justice, twenty-one (21) semester credit hours are required. The following courses (3 semester credit hours each) must be taken: AJ 100, AJ 105, AJ 211, AJ 220, and AJ 240. In addition, six (6) 300-level or 400-level semester credits must be earned as electives along with the five courses identified.

For a minor in Forensic Science, twenty-one (21) semester credit hours are required. The following courses (3 semester credit hours each) must be taken: AJ 105, FORS 226, FORS 236, FORS 326, AJ 411 and FORS 416. In addition, three (3) 300-level or 400-level semester credits must be earned as electives along with the six courses identified.

For a minor in Military Science, twenty-one (21) semester credit hours are required. To qualify for this minor, twelve (12) credit hours must be taken in 300-to-400-level courses. Nine (9) credit hours must be completed in residence, and six (6) of the nine (9) must be in 300-to-400-level courses. Students may receive credit for 100-200-level courses based upon prior military training, completion of ROTC Basic Camp, completion of JROTC training, or completion of one year at a service academy.

For a minor in Air Force Leadership, eighteen (18) semester credit hours are required. To qualify for this minor, a minimum of eighteen (18) hours must be taken and twelve (12) must be taken in 300- to 400-level courses. Nine (9) credit hours must be

completed in residence and six (6) of the nine (9) must be in 300- to 400-level courses. Students must achieve a minimum 2.0 GPA in all Air Force Leadership courses.

For a minor in Naval Science, eighteen (18) semester credit hours are required. The following courses (3 semester credit hours each) must be taken: NAVA 101, NAVA 103, NAVA 203, and NAVA 402. In addition, six (6) 300-level or 400-level semester credits must be earned as electives along with the four courses identified. The following courses (3 semester credit hours each) are among the electives students may choose: NAVA 301, NAVA 302, NAVA 303, NAVA 403, and NAVA 410. To qualify for this minor, twelve (12) credit hours must be completed in residence and nine (9) of the twelve (12) must be in 300- to 400-level courses. Students must achieve a minimum 2.0 GPA in all Naval Science courses.

ADMINISTRATION OF JUSTICE COURSES

- AJ 100 Introduction to Criminology (3)**
An introduction to the scientific study of crime. Three hours of lecture per week.
- AJ 105 Introduction to Administration of Justice (3)**
An introduction to the U.S. and Texas criminal justice systems. Definition of crime, law enforcement, prosecution, due process, and rehabilitation systems. Prerequisite for all Administration of Justice courses. Three hours of lecture per week. **Listed as CRIJ 1301 in the Texas Common Course Numbering System.**
- AJ 211 Introduction to Court Systems (3)**
Examines the role of courts in the criminal justice system. Special attention on processes and organization of state and federal courts. Three hours of lecture per week.
- AJ 220 Introduction to Corrections (3)**
Historical development of the current structure and dynamics of correctional organizations and their practices. Three hours of lecture per week.
- AJ 240 Introduction to Law Enforcement (3)**
Survey of both public and private law enforcement agencies with special emphasis on public law enforcement agencies at the different levels of government. Three hours of lecture per week.
- AJ 250 Legal Aspects of Law Enforcement (3)**
Designed to create an awareness of the law governing the behavior of law enforcement officials. Special attention given to probable cause, interrogation, arrest, searches and seizures, and criminal court procedure. Three hours of lecture per week. **Listed in the Texas Common Course Numbering System as CRIJ 2323.**
- AJ 300 Substance Abuse (3)**
Designed to focus on varied substances, including drugs and alcohol, that are currently being used and abused in society. Three hours of lecture per week.
- AJ 301 Research Methods in Administration of Justice (3)**
Introduction to applied research methods in administration of justice with emphasis on descriptive statistical methods as a tool for assisting administration of justice administrators and researchers in decision making. Computer applications included. Three hours of lecture per week.
- AJ 302 Quantitative Methods in Administration of Justice (3)**
Continuation of AJ 301. Introduces probability and inferential statistics as analytical tools useful to administration of justice administrators and researchers. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisite: AJ 301.
- AJ 310 Criminal Law and Procedure (3)**
Basic concepts of criminal law with an emphasis on the penal law of Texas. Evidence sufficiency, procedural due process, and constitutional safeguards also addressed. Three hours of lecture per week. Prerequisite: AJ 211 and AJ 250.
- AJ 313 Judicial Administration (3)**
Local, state, and federal judicial operations; constitutional, legislative, and judicial influence on administrative action; and administrative problems associated with judicial functions. Prerequisite: AJ 211.
- AJ 321 Probation and Parole Administration (3)**
Systems of probation and parole from the perspective of organization, operation, and results; legal and administrative requirements of probation management; substitutions for incarceration. Three hours of lecture per week. Prerequisite: AJ 220.

AJ 322	Juvenile Justice System Examination of aspects of the juvenile justice history and philosophy; court practices and procedures; police practices and corrections. Three hours of lecture per week.	(3)
AJ 333	Police and Community Relations Role of the urban police department in community relations and how the police and the community can establish a more effective relationship. Three hours of lecture per week.	(3)
AJ 334	Criminal Investigation Designed to focus on the theory and practice of criminal investigation, including techniques and skills of successful investigators. Three hours of lecture per week. Prerequisite: AJ 240.	(3)
AJ 335	Community-Based Corrections Principles and practices of community-based corrections such as probation, intermediate sanctions and parole. Emphasis is on functions, supervisions, problems, methods and technologies utilized in community-based programs.	(3)
AJ 345	Comparative Administration of Justice An introduction to various administration of justice systems and practices operative in different nation-states. Three hours of lecture per week.	(3)
AJ 411	Seminar on Administration of Justice Ethics Ethical issues in criminal justice by philosophers, criminal justice professionals, lawyers and judges, and the general public. Includes topics relating to policy, courts, corrections, and issues in legal philosophy. Prerequisite: 18 semester credit hours in Administration of Justice or consent of the instructor.	(3)
AJ 412	Selected Topics in Administration of Justice The review of various administration of justice beliefs and practices; the topics can vary by semester and instructor. May be repeated for up to 9 credits as topics vary. Three hours of lecture per week.	(3)
AJ 441	Correctional Administration Organizational and administrative problems and procedures unique to corrections. Custody, discipline, security force distribution, and coordination with treatment services within correctional institutions. Personnel policies, budgets, and the prison community's social structure. Three hours of lecture per week. Prerequisite: AJ 220.	(3)
AJ 450	Police Administration Emphasis on police management theory and practice; personnel management; planning and research; management of information; allocation and distribution of operational human resources. Three hours of lecture per week. Prerequisite: AJ 240.	(3)
AJ 452	Race and Crime An introduction to the impact and relationship of race and ethnicity to crime. Three hours of lecture per week.	(3)
AJ 453	Administration of Justice Theories This course is designed to provide students with an understanding of competing theories in administration of justice. Three hours of lecture per week. Listed in the Texas Common Course Numbering System as CRIJ 003642.	(3)
AJ 460	Administration of Justice Internship Supervised practical experience in public and nonprofit selected agencies. Three hours of lecture per week. Prerequisite: Junior/senior standing.	(3)
AJ 499	Capstone An overview of the discipline emphasizing synthesis of theory and research, critical reflection and evaluation, and recent developments in Administration of Justice. Particular emphasis will be given to the integration of Administration of Justice with other social sciences. Required of all majors in AJ.	(3)

FORENSIC SCIENCE COURSES

- FORS 226** **Introduction to Forensic Science** (3)
This course provides the beginning student with an overview of the forensic sciences, including exposure to the rules of evidence, evidence collection and handling, expert witness testimony and an introduction to the various sub-disciplines that fall under the umbrella of the forensic sciences. The course is open to undergraduates as an elective.
- FORS 236** **Forensic Evidence Collection and Processing** (3)
This course serves as a comprehensive review of all aspects of evidence collection and preservation. Prerequisite: FORS 226 or permission of the instructor.
- FORS 326** **Forensic Science Analysis** (3)
This course is an introduction to classical and modern forensic science laboratory techniques. Prerequisites: FORS 226 and FORS 236. Junior standing or above.
- FORS 416** **Forensic Science Seminar** (3)
This course will focus on criminal and civil cases as well as forensic science literature research. Students will conduct forensic science research, including case reviews, searches for forensic literature, and analysis of trial testimony. Prerequisites: FORS 226, FORS 236, FORS 326, and senior standing.

MILITARY SCIENCE COURSES

- MSCI 113** **Ranger Challenge Training** (1)
Team competition, land navigation, rifle marksmanship, tactics, and survival skills covered. Fitness training requires cadets to compete against other universities. Prerequisite: Must be enrolled for Military Science minor.
- MSCI 115** **Physical Readiness Training** (1)
Satisfies physical education requirements. Utilizes U.S. Army fitness techniques in developing strength, flexibility, and endurance. Develops self-confidence through leadership training and physical activities. Open to all students at the University. Offered during the fall semester only.
- MSCI 121** **Introduction to Army and Marksmanship** (2)
Introduction to the role of the U.S. Armed Forces in society. Emphasizes weapon safety, responsibility, and marksmanship techniques. No military obligation incurred for attendance. Open to all students at the University.
- MSCI 122** **Survival and Unarmed Self-Defense** (2)
Basic concepts and techniques in unarmed self-defense, field expedient techniques, and basic field craft addressed. Rape prevention techniques also addressed. No military obligation incurred for attendance. Open to all students at the University.
- MSCI 221** **Military Leadership Development** (2)
Introduction to leadership, problem analysis, decision making, oral communication, first aid, land navigation, basic radio communications, marksmanship, and repelling. Fitness training and laboratory required.
- MSCI 222** **Military Leadership Development** (2)
Continuation of MSCI 221. Fitness training and laboratory required.
- MSCI 241** **Basic Camp** (4)
Six-week, off-campus field training practicum that introduces students to the military. Includes topics in leadership and repelling. No military obligation is incurred for attendance. Prerequisite: Consent of the Faculty Chair.
- MSCI 331** **Advanced Military Science** (3)
Introduction to small unit leadership, troop leading procedures, leadership theory, and small unit patrolling. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.

- MSCI 332** **Advanced Military Science** (3)
Introduction to combat orders and military principles, small unit tactics, and tactical communications. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.
- MSCI 431** **Advanced Military Science** (3)
Leadership and command, military law, administration/staff operations and procedures, dynamics of the military team, training management, ethics, and professionalism. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.
- MSCI 432** **Advanced Military Science** (3)
Continuation of MSCI 431. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.

AIR FORCE LEADERSHIP COURSES

- AFSC 1201:** **Foundations of the USAF I** (2)
Overall roles and missions of the USAF; career fields available. Emphasis on military customs and courtesies, appearance standards, core values, written and personal communication. Introduction to American military history.
- AFSC 1202:** **Foundations of the USAF II** (2)
Overall roles and missions of the USAF; career fields available. Emphasis on military customs and courtesies, appearance standards, core values, written and personal communication. Introduction to American military history.
- AFSC 2201:** **Evolution of Air Power I** (2)
Key historical events and milestones in the development of air power as a primary instrument of United States national security. Core values and competencies of leaders in the United States Air Force. Tenets of leadership and ethics.
- AFSC 2202:** **Evolution of Air Power II** (2)
Key historical events and milestones in the development of air power as a primary instrument of United States national security. Core values and competencies of leaders in the United States Air Force. Tenets of leadership and ethics.
- AFSC 3301:** **Air Force Leadership Studies I** (3)
Leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, and leadership ethics. Case studies of Air Force leadership and management situations.
- AFSC 3302:** **Air Force Leadership Studies II** (3)
Leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, and leadership ethics. Case studies of Air Force leadership and management situations.
- AFSC 4301:** **National Security Affairs I** (3)
Evolution of the role of national security in a democratic society with emphasis on policy formation, competing values, and organizations. Civilian control of the military; roles of the services; functions of the Air Force Commands.
- AFSC 4302:** **National Security Affairs II** (3)
Evolution of the role of national security in a democratic society with emphasis on policy formation, competing values, and organizations. Civilian control of the military; roles of the services; functions of the Air Force Commands.

NAVAL SCIENCE COURSES

NAVA 101:	Naval Orientation An introduction to naval traditions and customs, seamanship, naval organization and missions, and the fundamental concepts of sea power.	(3)
NAVA 103:	Sea Power and Maritime Affairs Readings, discussions, and research on selected topics related to the history, importance, and impact of sea power on modern civilization.	(3)
NAVA 203:	Leadership Management I An introduction to the principles and concepts of management, organization, leadership, information systems, and decision making.	(3)
NAVA 301:	Navigation Marine navigators and laws of vessel operations. Includes coastal piloting, navigational aids, nautical astronomy, satellite and inertial systems, and rules of the nautical road.	(3)
NAVA 302:	Naval Operations and Seamanship An analysis of ship movements, formations, and fleet operations. Includes Rules of the Road, maneuvering board, tactical publications and communications.	(3)
NAVA 303:	Evolution of Warfare Historical survey of the evolution of the conduct of warfare. Strategy, tactics, weapons, organization, and military leaders/thinkers are studied.	(3)
NAVA 304:	Naval Weapons Systems The theory and employment of weapons systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. The physical aspects of radar and underwater sound are described in detail.	(3)
NAVA 403:	Naval Engineering Ship propulsion systems, auxiliary systems, steering systems, electrical power distribution, ship design, ship stability and damage control measures.	(3)
NAVA 402:	Leadership and Ethics Leadership principles with particular emphasis on ethics, human resources management, military law and discipline, and administration.	(3)
NAVA 410:	Amphibious Warfare Study of the history of amphibious warfare, using case studies to examine doctrine tactics, and the factors necessary for successful operations.	(3)

**CURRICULUM SUMMARY
BACHELOR OF SCIENCE DEGREE
IN ADMINISTRATION OF JUSTICE
TOTAL CREDITS REQUIRED: 120**

Please Note: This curriculum is for students who entered in Fall 2014

CORE CURRICULUM (STANDARD)	TCCNS	MAJOR REQUIREMENTS	OTHER REQUIREMENTS	AJ MINOR RE-QUIREMENTS
42 credits	EQUIVALENT	27 credits	18 credits	21 credits
Communication:		AJ 100 (3)	CS 117 (3)	AJ 100 (3)
ENG 131 (3)	ENGL 1301	AJ 105 (3)	HED 233 (2)	AJ 105 (3)
ENG 132 (3)	ENGL 1302	AJ 211 (3)	MATH 135 or 136 (3)	AJ 211 (3)
Mathematics:		AJ 220 (3)	AJ 301 (3)	AJ 220 (3)
MATH 133 (3)	MATH 1314	AJ 240 (3)	AJ 302 (3)	AJ 240 (3)
Life and physical sciences:		AJ 250 (3)	Free Elective (3)	AJ 300/400 level
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 BIOL 1308	AJ 411 (3)	PE 1XX (1)	AJ 300/400 level
GEOL 141	GEOL 1403	AJ 460 (3)		
Language, philosophy, and culture:		AJ 499 (3)		
ENG 2xx (3)				
Creative arts:				
ART 131 (3) or MUSI 131 (3) or MUSI 239 (3) or THC 130 (3)	ARTS 1316 MUSI 1301 HUMA 1301 DRAM 1310	Plus 12 credits in the electives below Each course is 3 credit hours:		Forensic Sciences Minor 21 credits
American history:		AJ 300	AJ 310	AJ 105 (3)
HIST 231 (3)	HIST 1301	AJ 313	AJ 321	FORS 226 (3)
HIST 232 (3)	HIST 1302	AJ 322	AJ 323	FORS 236 (3)
Government/political science:		AJ 333	AJ 334	FORS 326 (3)
POLS 235 (3)	GOVT 2305	AJ 335	AJ 338	AJ 411 (3)
POLS 236 (3)	GOVT 2306	AJ 345	AJ 412	FORS 416 (3)
Social and behavioral sciences:		AJ 430	AJ 441	AJ 300/400 Level (3)
PSY 131 (3) or SOC 157 (3) or SOC 158 (3) or ECON 231 (3) or ECON 232 (3)	PSYC 2301 SOCL 1301 SOCL 1306 ECON 2301 ECON 2302	AJ 450	AJ 451	
		AJ 452	AJ 453	Air Force Leadership Minor 18 credits
Institutional Options:				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			Military Science Minor 21 credits
CS 116 (3)	COSC 1301			Naval science Minor 18 credits

**BACHELOR OF SCIENCE DEGREE IN
ADMINISTRATION OF JUSTICE
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133 College Algebra	3	MATH 134 or 135 Plane Trigonometry or Math Business Economic Analysis	3	
	Social and Behavioral Sciences (3)	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	Creative Arts (3)	3	AJ 105 Intro to the Administration of Justice	3	
	AJ 100 Intro. To Criminology	3	AJ 211 Introduction to Court Systems	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XX Any 200 Level ENG	3	HED 233 Hist. & Prin. of Health	2	
	CS 116 Intro to Computer Science I	3	CS 117 Intro. To Computer Science II	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
	AJ 220 Intro. To Corrections	3	AJ 240 Intro. To Law Enforcement	3	
	GEOL 141 Intro. To the Earth	3	BIOL 143 Survey of Life Science	3	
			PE (100) level	1	
	15 hrs		15 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3	
	AJ 301 Research Methods in Administration of Justice	3	AJ 302 Quantitative Methods in Administration of Justice	3	
	AJ 250 Legal Aspects of Law Enforcement	3	AJ 411 Seminar on Administration of Justice Ethics	3	
	Minor	3	Minor	3	
	Minor	3	Minor	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	AJ 460 Administration of Justice Internship	3	AJ Elective	3	
	AJ 499 Capstone Seminar in Administration of Justice	3	AJ Elective	3	
	AJ Elective	3	Minor	3	
	AJ Elective	3	Minor	3	
	Minor	3	FREE Elective	3	
		15 hrs		15 hrs	

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science offers courses in Political Science (POLS) and Public Affairs (PA), as well as three undergraduate degrees, the Bachelor of Arts (B.A.) in Political Science, the Bachelor of Science (B.S.) in Public Affairs, and the Bachelor of Science (B.S.) in Emergency Management and Homeland Security. The Department also offers two graduate degrees, the Master of Public Administration (M.P.A.) and the Online Executive Master of Public Administration (eM.P.A.) (for information on the MPA refer to the graduate school bulletin). In addition to these programs, the department offers six (6) semester credit hours of National and Texas government that are required of all students by the university. Offices of faculty members are located on the fourth floor of the Barbara Jordan – Mickey Leland School of Public Affairs Building.

The mission of the department is essentially twofold: (1) to develop general competencies in students that will allow them to continue their education in either graduate or professional schools upon completion of their undergraduate studies; and (2) to prepare students for entry-level professional public service positions. Three objectives are prominent in the realization of this mission: (1) to provide students with essential knowledge and understanding of the dynamics related to the Texas, national, and international political systems and their relationships to these systems; (2) to provide students with an in-depth understanding of the American political system; and (3) to develop problem solving skills and competencies in students that will translate to various work settings.

Requirements for the B.A. in Political Science, B.S. in Public Affairs, and the B.S. in Emergency Management and Homeland Security are specified in detail below.

As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.

At the beginning of the senior year, majors should have their overall transcripts and records evaluated by the Faculty Chair to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**

Students wishing to pursue one of the three undergraduate degrees offered through the Department must first gain admission to the University, and must petition the Department for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following courses with grades of “C” or better (grades of “C-“ are unacceptable):

- POLS 235 (National Government);
- POLS 236 (Texas Government);
- ENG 131 (Freshman English I); and
- ENG 132 (Freshman English II).

In those instances where a student has an exemplary record and may not have met all of the requirements, he/she can make a special appeal to the Department for admission. Once admitted to the Department for admission, students are each assigned an official advisor who must approve all class schedules, and they must keep the Department informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be administratively withdrawn from them. Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).

For a minor in Political Science, twenty-one (21) semester credit hours are required. Students pursuing this minor must first complete POLS 235 and POLS 236 with grades of “C” or better (grades of “C-” are unacceptable) before enrolling in the following courses: (3 semester credit hours each): POLS 330, POLS 340, POLS 390 or 391, POLS 410, and POLS 413. Six (6) elective credits in POLS (two additional courses of 3 credits each) must also be earned.

For a minor in Public Affairs, twenty-one (21) semester credit hours are required through enrollment in the following courses (3 semester credit hours each): PA 271, PA 311, PA 312, PA 313, PA 321, PA 400, and PA 401.

For a minor in Emergency Management and Homeland Security, eighteen (18) semester credit hours are required through enrollment in the following courses (3 semester credit hours each): EMGT 250, HMSC 260 and EMGT 480. Nine (9) elective credits in Emergency Management and Homeland Security (three additional courses of 3 credits each) must also be earned.

For a minor in Pre-Law Studies, eighteen (18) semester credit hours are required through enrollment in the following courses (3 semester credit hours each): AJ 211 (*AJ 310 if an AJ major*), AJ 313, POLS 311, POLS 403, POLS 412, POLS 413 (*POLS 420 if a POLS major*).

POLITICAL SCIENCE COURSES

- POLS 235 American Government (3)**
Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights. Three hours of lecture per week.
Listed as GOVT 2305 in the Texas Common Course Numbering System.
- POLS 236 Texas Government (3)**
Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. Three hours of lecture per week. **Listed as GOVT 2306 in the Texas Common Course Numbering System.**
- POLS 240 State and Local Government (3)**
A study of national, state, and local governments including, but not limited to, principles of American government, constitutions, federalism, political socialization, public opinion, interest groups, political parties, elections, the executive, legislative and judicial branches, and public policy. Three hours of lecture per week.
- POLS 250 Introduction to Political Science (3)**
Introduction to the history, scope, methods, and approaches to the study of political science and politics. Prerequisites: POLS 235 and POLS 236. Required of majors. Three hours of lecture per week.
- POLS 301 Research Methods in Political Science (3)**
Introduction to applied research methods in political science with emphasis on research design and descriptive statistical methods as a tool for assisting political scientists to conduct research. Computer applications included. Three hours of lecture per week. Prerequisites: POLS 235, 236, and 250.
- POLS 302 Quantitative Methods in Political Science (3)**
Introduction to probability and inferential statistics as analytical tools useful to political scientists. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisites: POLS 235, 236, 250, and 301.
- POLS 310 Legislative Politics (3)**
Structure of the powers and roles of legislatures and legislators, legislative structure, decision making, and internal and external pressure upon legislators. Special attention given to the United States Congress. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 311 Judicial Politics (3)**
Structure, function, and process of the American court systems and related institutions; factors influencing judicial decision-making. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 320 Politics and Environmental Justice (3)**
This course will examine the interaction between politics and the environment as it relates to human interactions and the environment. The main focus will be to examine the role of various actors/stakeholders in formulating policies as they pertain to humans and the environment. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 330 Comparative Politics (3)**
Introduction to the methods and scope of comparative government; analysis of the institutions and cultures that impact selected governments. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 340 International Relations (3)**
Survey of the major approaches and principles of international relations that affect the members of the international community. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 341 International Organizations (3)**
Study of international organizations along with their roles, functions, and objectives in the international community. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.

POLS 360	Political Systems of Africa Study of Modern Africa from World War 1 including the different European policies, growth of nationalism, movements to independence, white supremacist bloc, and Africa today. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 370	U.S. Latino Politics The study of U.S. Latino efforts to participate in the American political system, government and societal responses, and present status of U.S. Latinos in the political system. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 380	Political Systems of Latin America Study of the political and economic development of selected Latin American countries with emphasis on the period since World War 1. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 390	Classical and Medieval Theory Political philosophy of early Greek, Roman, and medieval European thinkers. Special concentration on the major political works of Plato and Aristotle. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 391	Modern Political Theory Political philosophy from the Italian city-state to the twentieth century. Special emphasis on Machiavelli, the Social Contract School, and Marx. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 392	American Political Thought Study of the development of political thought in the United States from the seventeenth century to the present. Emphasis placed on the historical context in which political thought and movements developed. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 393	African American Political Thought Analysis of ideas, personalities, relevant ideologies and categories, and the role of theory in African American political thought. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 401	Executive Politics The political dynamics of chief executives and their relationship to the competitive branches and units of government within the American political system. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 403	Public Policy An examination of the forces and constraints involved in making and implementing public policy. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 410	African American Politics The study of Blacks' efforts to participate in the American political system, government and societal responses, and present status of Blacks in the political system. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 411	American Political Parties The study of the American party system including the functions, activities, development, structure, and organization of political parties. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 412	Civil Rights A study of civil rights and how they have been impacted by the constitutional process of checks and balances; civil rights in party politics; civil rights as seen by American minorities. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)
POLS 413	Constitutional Law The development and application of American constitutional law as interpreted by Supreme Court decisions on selected topics, cases, and recent trends. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.	(3)

- POLS 414 American Foreign Policy (3)**
Factors shaping contemporary American foreign policy; administration and conduct of foreign affairs; the major foreign policy problems; cases in decision making. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 419 Selected Topics in Political Science (3)**
Analysis of selected areas and problems in political science. Subject matter varies from year to year. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 420 Urban Politics (3)**
Investigation of urban political systems; politics in America's large cities and their relationship to minorities; analysis of resources, strategies, and tactics in urban areas. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 440 Women and Politics (3)**
Analysis of selected topics relevant to women and politics. Subject matters vary from year to year. Prerequisites: POLS 235 and POLS 236.
- POLS 450 Religion and American Politics (3)**
Aims to ensure students understand the intersection of politics and religion. The course will describe and analyze the political impact, real and imagined, of religion on several dimensions of political life. It highlights how religion affects the political system and policymaking process, and how religion influences political attitudes, opinions, and behavior. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 460 Public Opinion (3)**
This course accounts for the role of public opinion in the democratic politics of the U. S. The course addresses the contemporary literature on public opinion, including the relationship between public opinion and policy. This course provides an understanding of the major ideas and concepts in public opinion, fosters interest in learning more about political issues, and engages students in discussion of the important and controversial issues of the day. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 470 Voters and Elections (3)**
The course explores critical and controversial issues that confront the American electoral system. It examines key aspects of American democracy in theory and practice such as the electoral process, suffrage and turnout, voting behavior, candidates, public policy issues, representation, partisanship, money, and the media. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 490 Internship (3-6)**
Supervised work experience with various public, private, and governmental agencies. Intern will be jointly supervised by the agency head and appropriate academic advisor. Eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the appropriate faculty advisor or Faculty Chair. Prerequisites: POLS 235 and POLS 236.
- POLS 498 Capstone Seminar in Political Science (3)**
Directed reading, research, and discussion of different sub-fields in the discipline of Political Science. Includes a significant writing component. Prerequisite: consent of the instructor.

PUBLIC AFFAIRS COURSES

- PA 271 Introduction to Public Administration (3)**
The rise, significance, and role of public administration. Problems of executive leadership, administrative organization, personnel and management, administrative decision-making and adjustment. Three hours of lecture per week.
- PA 301 Research Methods in Public Administration (3)**
Introduction to applied research methods in public administration with emphasis on descriptive statistical methods as a tool for assisting public managers in decision making. Computer applications included. Three hours of lecture per week. Prerequisite: MATH 133.

- PA 302 Quantitative Methods in Public Administration (3)**
Continuation of PA 301 introducing probability and inferential statistics as analytical tools useful to public administrators. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisite: PA 301.
- PA 311 Introduction to Public Sector Planning (3)**
Introduction to the principles, methods, and techniques of public sector planning. Three hours of lecture per week. Prerequisite: PA 271.
- PA 312 Public Budgeting (3)**
Introduction to the method and nature of government financing including a study of public revenues, expenditures, debts, fiscal policies, and certain problems related to government fiscal systems. Three hours of lecture per week. Prerequisite: PA 271.
- PA 313 Organization Behavior and Management (3)**
Analysis of various theories of human behavior in organizational settings from the disciplines of Political Science, Sociology, Psychology, and Public Administration. Three hours of lecture per week. Prerequisite: PA 271.
- PA 321 Personnel Administration (3)**
Principles, theories, and methods of human resource management. Particular attention given to personnel policy, procedures, and collective bargaining. Three hours of lecture per week. Prerequisite: PA 313.
- PA 400 Program Evaluation (3)**
Focuses on evaluation as a management tool to improve public sector program performance and introduces concepts, principles, methods, and practice of program performance evaluation. Three hours of lecture per week. Prerequisites: PA 301 and PA 302.
- PA 401 Policy Process (3)**
Examines the role, influence, and interaction of legislatures, executives, bureaucracies, courts, and interest groups. Focuses on policy processes, problem definition, agenda setting, budgeting, authorization, implementation, and oversight. Three hours of lecture per week. Prerequisite: PA 271.
- PA 410 Seminar in Public Affairs (3)**
Special topics seminar that provides for the examination of selected public affairs problems and issues. Specific content varies from semester to semester. Three hours of lecture per week. Prerequisite: consent of the instructor.
- PA 450 Internship in Public Affairs (6)**
Supervised work experience with various public, private, and governmental agencies. Intern will be jointly supervised by the agency head and appropriate academic advisor. Eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the appropriate faculty advisor or Faculty Chair.
- PA 461 Supervised Independent Study (6)**
Designed to allow students to conduct a scientific inquiry into a problem and present the research finding in a scholarly manner. Prerequisites: Senior standing, overall GPA of 3.30 or better, recommendation from appropriate faculty members and faculty advisor, and approval of the Faculty Chair.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY COURSES

- EMGT 101 Introduction to Incident Command Systems (3)**
Describes the history, features, principles, organizational structure of Incident Command System and explains the relationship between ICS and the National Incident Management System (NIMS). Three hours of lecture per week.
- EMGT 250 Introduction to Emergency Management (3)**
Course introduces emergency management theory, definitions, hazard identification, phases of emergency management, resource identification, roles and responsibilities of emergency managers, and coordination of various systems. Prerequisite for all courses. Three hours of lecture per week.

HMSC 260	Introduction to Homeland Security Course introduces students to homeland security, its function, organization, and responsibilities. Topics include evaluation of homeland security, roles of agencies, the private sector, and individuals. Three hours of lecture per week.	(3)
EMGT 251	Natural Hazards and Emergency Management Course examines major natural hazards and the efforts to mitigate their effect on society, and the management of these events at the various levels of governments. Three hours of lecture per week.	(3)
EMGT 252	Technological Hazards and Emergency Management Course introduces students to the human hand in many “natural” hazards as well as management structures, procedures and techniques designed to cope with hazardous technologies. Three hours of lecture per week.	(3)
EMGT 351	Principles and Practices of Hazard Mitigation Course identifies hazard risks, mitigation programs, strategies, mitigation opportunities, and cost effect solutions. Students learn the tools, resources, techniques, strategies, and programs of hazard mitigation. Three hours of lecture per week.	(3)
EMGT 352	Internally Displaced Persons and Natural Hazards The impact of hazards on people forced to leave their homes and become internally displaced persons (IDPs) or refugees, as a result of disasters. Three hours of lecture per week.	(3)
EMGT 353	Business Crisis and Continuity Management The course analyzes the methods by which government, private sector, nonprofits, and the general public respond to and recover from natural manmade disasters. Three hours of lecture per week.	(3)
EMGT 354	Public Health Issues in Emergency Management The course covers theory and practice of various public health issues in emergency preparedness and considers the implications for policy makers. Three hours of lecture per week.	(3)
EMGT 355	Planning for Vulnerable Population Discusses barriers and limitations to reaching vulnerable populations in a disaster and explores culturally competent strategies for their integration into preparedness plans. Three hours of lecture per week.	(3)
EMGT 356	Continuity of Operations Planning and Implementation Students explore the process of developing, implementing, exercising, and evaluating continuity of operations for both the public and private sectors and initiates recovery activities. Three hours of lecture per week.	(3)
EMGT 357	Emergency Recovery, Response, Preparedness and Planning Focus is on the planning and recovery process, the format, and response procedures; the evaluation of plans and the use of exercises to improve and implement plans. Three hours of lecture per week.	(3)
EMGT 358	Social Dimensions of Disasters Human behavior in disaster (myths and reality), group disaster behavior, community social systems, cultures, demographics and sociological disaster research case studies are studied. Three hours of lecture per week.	(3)
EMGT 400	Environmental Issues in Disaster The environmental impact that results from natural and manmade disasters: pollution (biological, chemical, and nuclear), depletion of natural resources, industrial activity and agricultural practices. Three hours of lecture per week.	(3)
EMGT 401	Coastal Hazards Management Addresses coastal processes, impacts of climate change and the risk imparted to man and his environment. Students learn the best approaches and management strategies. Three hours of lecture per week.	(3)
EMGT 402	Building Disaster Resilient Communities This course covers concepts needed to design and implement strategies in protecting communities from disasters, including decreasing community vulnerability and increasing community resiliency. Three hours of lecture per week.	(3)

- EMGT 403** **Managing People in Disasters** (3)
 Students develop a management style and leadership skills for effectively utilizing personnel in the delivery of community services during disaster operations. Three hours of lecture per week.
- EMGT 450** **Seminar in Homeland Security** (3)
 A systematic study of specialized subject matter in Emergency management. Topics for each semester vary, depending upon current interest and needs. Three hours of lecture per week.
- EMGT 480** **Internship** (3)
 Students apply classroom learning in emergency and disaster response associated agencies. Students perform prescribed work in an agency engaged in emergency and disaster management. Three hours of lecture per week.
- HMSC 361** **Terrorism and Homeland Security** (3)
 Overview of international terrorism from its origins to the present. Analyzes how the U.S. government has responded and organized to counter the threats of terrorism. Three hours of lecture per week.
- HMSC 362** **Legal and Political Issues of Homeland Security** (3)
 Describes the legal aspects of current government regulations on intelligence operations, identity management, information dissemination, infrastructure protection, business community security concerns, and ethical issues. Three hours of lecture per week.
- HMSC 363** **Legal and Political Issues of Homeland Security** (3)
 Describes the legal aspects of current government regulations on intelligence operations, identity management, information dissemination, infrastructure protection, business community security concerns, and ethical issues. Three hours of lecture per week.

**CURRICULUM SUMMARY
BACHELOR OF ARTS DEGREE IN
POLITICAL SCIENCE**

TOTAL CREDITS REQUIRED: 120

Please Note: This curriculum is for students who entered in Fall 2014

CORE CURRICULUM (STANDARD)	TCCNS	MAJOR REQUIREMENTS	OTHER REQUIREMENTS	POLS MINOR REQUIREMENTS
42 credits	EQUIVALENT	18 credits	27 credits	21 credits
Communication:		POLS 250 (3)	ECON 231 (3)	POLS 330 (3)
ENG 131 (3)	ENGL 1301	POLS 330 (3)	ECON 232 (3)	POLS 340 (3)
ENG 132 (3)	ENGL 1302	POLS 340 (3)	MATH 135 or 136 (3)	POLS 390/391 (3)
Mathematics:		POLS 390 (3) or POLS 391 (3)	POLS 301 (3) or PA 301 (3)	POLS 410 (3)
MATH 133 (3)	MATH 1314	POLS 410 (3)	POLS 302 (3) or PA 302 (3)	POLS 413 (3)
Life and physical sciences:		POLS 413 (3)	SOC 157 (3)	POLS 300/400 Level
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 BIOL 1308	Plus 12 credits from below	Free Elective (3)	POLS 300/400 Level
GEOL 141	GEOL 1403	POLS 240 (3)	Foreign Language (3)	
Language, philosophy, and culture:		POLS 310 (3)	Foreign Language (3)	PRE-LAW STUDIES MINOR
ENG 2xx (3)		POLS 311 (3)		18 credits
Creative arts:		POLS 320 (3)		AJ 211 (AJ 310 if AJ major)
ART 131 (3) or MUSI 131 (3) or MUSI 239 (3) or THC 130 (3)	ARTS 1316 MUSI 1301 HUMA 1301 DRAM 1310	POLS 341 (3) POLS 360 (3) POLS 361 (3) POLS 370 (3) POLS 380 (3)		AJ 313 POLS 311 POLS 403 POLS 412 POLS 413 (POLS 420 if POLS major)
American history:		POLS 381 (3)		
HIST 231 (3)	HIST 1301	POLS 392 (3)		
HIST 232 (3)	HIST 1302	POLS 393 (3)		
Government/political science:		POLS 401 (3)		
POLS 235 (3)	GOVT 2305	POLS 403 (3)		
POLS 236 (3)	GOVT 2306	POLS 411 (3)		
Social and behavioral sciences:		POLS 412 (3)		
PSY 131 (3) or SOC 158 (3) or SOC 221 (3) or SOC 238 (3) or GEOG 132 (3)	PSYC 2301 SOCI 1306	POLS 414 (3) POLS 419 (3) POLS 420 (3) POLS 431 (3) POLS 440 (3)	POLS 450 (3) POLS 460 (3) POLS 470 (3) POLS 490 (3) POLS 498 (3)	
Institutional Options:				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
CS 116 (3)	COSC 1301			

**BACHELOR OF ARTS DEGREE IN
POLITICAL SCIENCE
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 135 or MATH 136	3
	SC 135 or SC 136	3	SOC 157	3
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG	3	CS 116	2
	BIOL 143	3	GEOL 141	3
	Creative Arts (3)	3	Social and Behavioral Sciences (3)	3
	Foreign Language	3	Foreign Language	3
	POLS 250	3	POLS 330	3
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 231	3	ECON 232	3
	POLS 301 or PA 301	3	POLS 302 or PA 302	3
	POLS 340	3	POLS Elective	3
	POLS 390 or POLS 391	3	POLS Elective	3
	Minor	3	Minor	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	POLS 413	3	POLS 410	3
	POLS Elective	3	POLS Elective	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Minor	3	FREE Elective	3
	15 hrs		15 hrs	

**CURRICULUM SUMMARY
BACHELOR OF SCIENCE DEGREE
IN PUBLIC AFFAIRS
TOTAL CREDITS REQUIRED: 120**

Please Note: This curriculum is for students who entered in Fall 2014

CORE CURRICULUM (STANDARD)	TCCNS	MAJOR REQUIREMENTS	OTHER REQUIREMENTS	PA MINOR RE- QUIREMENTS
42 credits	EQUIVALENT	36 credits	21 credits	21 credits
Communication:		PA 271 (3)	ECON 231 (3)	PA 271 (3)
ENG 131 (3)	ENGL 1301	PA 301 (3) or POLS 301 (3)	ECON 232 (3)	PA 311 (3)
ENG 132 (3)	ENGL 1302	PA 302 (3) or POLS 302 (3)	MATH 135 or 136 (3)	PA 312 (3)
Mathematics:		PA 311 (3)	SOC 157 (3)	PA 313 (3)
MATH 133 (3)	MATH 1314	PA 312 (3)	Foreign Language (3)	PA 321 (3)
Life and physical sciences:		PA 313 (3)	Foreign Language (3)	PA 400 (3)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 BIOL 1308	PA 321 (3)	Free Elective (3)	PA 401 (3)
GEOL 141	GEOL 1403	PA 400 (3)		
Language, philosophy, and culture:		PA 401 (3)		
ENG 2xx (3)		PA 410 (3)		
Creative arts:		PA 450 (3)		
ART 131 (3) or MUSI 131 (3) or MUSI 239 (3) or THC 130 (3)	ARTS 1316 MUSI 1301 HUMA 1301 DRAM 1310			
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 (3) or SOC 158 (3) or SOC 221 (3) or SOC 238 (3) or GEOG 132 (3)	PSYC 2301 SOC 1306			
Institutional Options:				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
CS 116 (3)	COSC 1301			

**BACHELOR OF SCIENCE DEGREE IN PUBLIC AFFAIRS
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
MATH 132 or MATH 133		3	MATH 135 or MATH 136	3
SC 135 or SC 136		3	SOC 157	3
POLS 235		3	POLS 236	3
HIST 231		3	HIST 232	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 2XX Any 200 Level ENG	3	CS 116
BIOL 143		3	GEOL 141	3
Creative Arts (3)		3	Social and Behavioral Sciences (3)	3
Foreign Language		3	Foreign Language	3
PA 271		3	PA 301 OR POLS 301	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 231	3	ECON 232
PA 302 or POLS 302		3	PA 311	3
PA 313		3	PA 312	3
Minor		3	PA 321	3
Minor		3	Minor	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	PA 401	3	PA 400
PA 450		6	PA 410	3
Minor		3	Minor	3
Minor		3	Minor	3
			FREE Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY
BACHELOR OF SCIENCE DEGREE
IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY (EMHS)
TOTAL CREDITS REQUIRED: 120
Please Note: This curriculum is for students who entered in Fall 2014**

CORE CURRICULUM (STANDARD)	TCCNS	MAJOR REQUIREMENTS	OTHER REQUIREMENTS	EMHS MINOR REQUIREMENTS
42 credits	EQUIVALENT	30 credits	30 credits	18 credits
Communication:		EMGT 250 (3)	ECON 231 (3)	EMGT 250 (3)
ENG 131 (3)	ENGL 1301	EMGT 251 (3)	ECON 232 (3)	EMGT 260 (3)
ENG 132 (3)	ENGL 1302	EMGT 252 (3)	MATH 135 or 136 (3)	EMGT 480 (3)
Mathematics:		EMGT 351 (3)	SOC 157 (3)	EMGT Elective (3)
MATH 133 (3)	MATH 1314	EMGT 357 (3)	Foreign Language (6)	EMGT Elective (3)
Life and physical sciences:		EMGT 480 (3)	PA 271 (3)	EMGT Elective (3)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 BIOL 1308	HMSC 260 (3)	PA 301 (3)	
GEOL 141	GEOL 1403	HMSC 361 (3)	PA 302 (3)	
Language, philosophy, and culture:		HMSC 362 (3)	Free Elective (3)	
ENG 2xx (3)		HMSC 363 (3)		
Creative arts:		<i>Plus 18 credits in electives from below</i>		
ART 131 (3) or MUSI 131 (3) or MUSI 239 (3) or THC 130 (3)	ARTS 1316 MUSI 1301 HUMA 1301 DRAM 1310	EMGT 101 (3) EMGT 352 (3) EMGT 353 (3) EMGT 354 (3) EMGT 355 (3)		
American history:		EMGT 356 (3)		
HIST 231 (3)	HIST 1301	EMGT 358 (3)		
HIST 232 (3)	HIST 1302	EMGT 400 (3)		
Government/political science:		EMGT 401 (3)		
POLS 235 (3)	GOVT 2305	EMGT 402 (3)		
POLS 236 (3)	GOVT 2306	EMGT 403 (3)		
Social and behavioral sciences:		EMGT 450 (3)		
PSY 131 (3) or SOC 158 (3) or SOC 221 (3) or SOC 238 (3) or GEOG 132 (3)	PSYC 2301 SOCI 1306	HMSC 460 (3) GEOG 338 (3) JOUR 234 (3) HED 340 (3) HSEH 232 (3) MTMS 445 (3)		
Institutional Options:		MTMS 462 (3)		
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
CS 116 (3)	COSC 1301			

**BACHELOR OF SCIENCE DEGREE IN
EMERGENCY MANAGEMENT AND HOMELAND SECURITY
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
MATH 132 or MATH 133		3	MATH 135 or MATH 136	3
SC 135 or SC 136		3	SOC 157	3
POLS 235		3	POLS 236	3
HIST 231		3	HIST 232	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 2XX Any 200 Level ENG	3	CS 116
BIOL 143		3	GEOL 141	3
Creative Arts (3)		3	Social and Behavioral Sciences (3)	3
Foreign Language		3	Foreign Language	3
EMGT 250		3	HMSC 260	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	PA 301	3	PA 302
ECON 231		3	ECON 232	3
EMGT 251		3	EMGT 252	3
HMSC 361		3	HMSC 362	3
PA 271		3	EMHS Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	EMGT 351	3	EMGT 480
EMGT 357		3	HMSC 363	3
EMHS Elective		3	EMHS Elective	3
EMHS Elective		3	EMHS Elective	3
EMHS Elective		3	FREE Elective	3
		15 hrs		15 hrs



COLLEGE OF PHARMACY AND HEALTH SCIENCES

OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: Pharmaceutical Sciences, Pharmacy Practice, and Health Sciences. The College offers the Doctor of Pharmacy (Pharm.D), a two-year pre-pharmacy, four-year professional program degree, and graduate degrees in Health Care Administration, the Master of Science (M.S.) in Health Care Administration, and Pharmaceutical Sciences, the Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences. The College offers five baccalaureate, or undergraduate, degrees through the Department of Health Sciences: the Bachelor of Science (B.S.) in Environmental Health, the Bachelor of Science (B.S.) in Health Administration, the Bachelor of Science (B.S.) in Health Information Management, the Bachelor of Science (B.S.) in Respiratory Therapy, and the Bachelor of Science (B.S.) in Clinical Laboratory Science. Information on the Master of Science (M.S.) Degree in Health Care Administration and the M.S./Ph.D. degrees in Pharmaceutical Sciences can be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne, Houston, Texas 77004-9987) or the Graduate School.

Administratively, the College is organized with a Dean who is assisted by an Associate Dean for Academic Affairs, an Assistant Dean for Student Services, an Assistant Dean for Practice Programs, and three Faculty Chairs who administer the didactic and experiential components of all programs. The Associate Dean for Academic Affairs is responsible for all academic matters of the College, and in the absence of the Dean, is responsible for the operations of the College. The Assistant Dean for Student Services coordinates all student related organizations and activities including recruitment, admissions, registration, counseling, and academic advising. The Assistant Dean for Practice Programs is responsible for the coordination of the professional practice experiences program. The Dean, Associate Dean, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in Gray Hall. The office of the Assistant Dean for Practice Programs is located on the Texas Medical Center John P. McGovern Campus and the Chair of the Department of Health Sciences is housed in the Nabrit Science Center.

MISSION STATEMENT

The mission of the Texas Southern University College of Pharmacy and Health Sciences (COPHS) is to produce an ethnically diverse population of quality health professionals, especially African-Americans, who are competent in the delivery of interdisciplinary health services while addressing critical urban issues. In fulfilling its purpose, the College is committed to providing an innovative, productive and receptive learning environment for research, scholarly activities, and services; infusing new technology into its infrastructure and academic programs; preparing, nurturing and mentoring students to be leaders in their fields and responsible contributors to local, state, national, and global communities; ensuring that programs support the mission, vision and values of the University and the College through evaluating and assessing academic programs; delivering patient-centered, population-based, and preventive care in rural and urban settings; and, developing holistic-centered programs to reduce health disparities among minority and other disadvantaged populations.

ACCREDITATION

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy and the Association of Schools of Allied Health Professions. Programs in Pharmacy are accredited by the Accreditation Council for Pharmacy Education. The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) 1248 Harwood Road Bedford, TX 76021-4244, 817-283-2835 (Office) tel:+8172832835. The Health Information Management Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The Clinical Laboratory Science (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS). The Environmental Health Program is accredited by the Environmental Health Science and Protection Accreditation Council (EHAC).

REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

An applicant for licensure shall be of good moral character, provide satisfactory evidence that the age of 18 years has been obtained and shall meet one of the following requirements: (1) have graduated and received a professional degree from a college of pharmacy, the professional degree program of which has been accredited by ACPE, and meets the requirements of the board; or (2) have graduated from a foreign college of pharmacy and obtained full certification from the FPGEC.

To become a registered pharmacist in the State of Texas, candidates must obtain a minimum grade of 75 on the North American Pharmacist Licensure Examination (NAPLEX); and must earn minimum grade of 75 on the Multistate Pharmacy Jurisprudence Examination (MPJE).

The College of Pharmacy and Health Sciences has a structured practical experience program, approved by the Texas State Board of Pharmacy, which satisfies the practical experience requirement for licensure.

REGISTRATION IN ENVIRONMENTAL HEALTH

Upon completion of all academic and professional work in Environmental Health students are eligible to receive the Bachelor of Science (B.S.) degree in Environmental Health. Persons completing the program of study in Environmental Health are eligible to apply for registration/certification with the National Environmental Health Association (NEHA), the Air Pollution Training Institute (APTI), the National Safety Council (NSC), the American Conference of Governmental Industrial Hygienists (ACGIH), the National Society of Health Physics (NSHP), the Texas Environmental Health Association (TEHA), and the Texas Commission on Environmental Quality (TCEQ). The curriculum of study prepares students for successful completion of registration/certification examinations for Environmental Quality Specialist, Hazardous Substance Professional, Industrial Hygienist, and Health Physicist.

REGISTRATION AS A HEALTH INFORMATION MANAGER

The Bachelor of Science Degree is awarded to students upon successful completion of the curriculum in Health Information Management (HIM). Students are eligible 6-12 months prior to award of the bachelor's degree to attempt the test for the HIM registry through the American Health Information Management Association.

REGISTRATION/CERTIFICATION IN CLINICAL LABORATORY SCIENCE

Upon completion of all academic and professional work in Clinical Laboratory Science, students are eligible to receive both the Bachelor of Science Degree in Clinical Laboratory Science and a Certificate of Completion in Clinical Laboratory Science, as well as to apply to take the national certification examination administered by The American Society for Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel to become a registered Medical Laboratory Scientist.

LICENSURE/CERTIFICATION/REGISTRY AS A RESPIRATORY THERAPIST

Eligible seniors are awarded the program Certificate of Completion and are then qualified to take the National Board of Respiratory Care Entry Level Examination (CRT). Following achievement of the CRT credential and award of State Licensure, seniors will take the two professional board Registry examinations (WRT and CSE) to obtain the Registered Respiratory Therapist (RRT) credential. The Bachelor of Science Degree in Respiratory Therapy is awarded upon successful completion of the curriculum and award of the RRT credential.

ADMISSION POLICIES

General

Students are classified in the College of Pharmacy and Health Sciences (COPHS) as pre-professional or professional. Pre-professional students are lower level students who have not been accepted into the professional phase of a major or program. Professional students are those that have been accepted into the professional phase of one of the various degree programs. Pre-professional students must maintain a grade point average (GPA) of 2.50 or greater and are subject to the guidelines of the Undergraduate Academic Advising Monitoring System within the College. This may result in varying academic status classifications including academic warning, academic probation, and academic suspension. Any student wishing to change their major to enroll in one of the majors offered by the College must have a minimum GPA of at least 2.50.

Admission to the Doctor of Pharmacy Program in the College of Pharmacy and Health Sciences is under the Office of Student Services in the College (through an official Admissions and Academic Standards Committee) and the Coordinator of Admissions. **All correspondence on this subject should be directed to the Coordinator of Admissions in the College of Pharmacy and Health Sciences Admissions Office at Texas Southern University (3100 Cleburne, Houston, Texas 77004-9987).** A completed application, including all required supporting credentials, should be received by the College Admissions Office as early as possible. Please refer to the College website for the specific application deadline for the Doctor of Pharmacy Program (new students are admitted only in the Fall semester). Students seeking admission to programs in Health Sciences should contact the Advisor for the Department of Health Sciences to provide program specific deadlines and guidance for application to the professional phase of a program. Credentials for admission must, in every case, include a complete record of all previous high school, college, and/or university work.

Because of the uniqueness of the various programs in the College of Pharmacy and Health Sciences, it is important that interested persons consult the specific program criteria that complement the general policies described here and seek advisement from advisors in the program of interest.

All requirements for graduation with the entry-level Doctor of Pharmacy Degree must be completed within six years after enrollment in the Professional Program. All requirements for graduation with a B.S. degree in one of the Health Sciences programs must be completed within six years after initial enrollment as a freshman or within four years in the professional program. When this is not the case, the complete academic records of students in question will be subject to review by the Faculty of the College of Pharmacy and Health Sciences to determine whether continuation will be allowed. **During the semester prior to graduation, students must file a graduation application. They should contact the Office of Student Services regarding the graduation application process.**

A. For the Pre-Pharmacy Concentration

Students enrolled in the Pre-Pharmacy Concentration are admitted based on the university's admissions policy. This policy provides equal educational opportunity to all graduates of accredited high schools in the United States and foreign countries and also mature adults who have passed the GED examination.

Students admitted to the Pre-Pharmacy Concentration should be referred to the Office of Student Services for advisement after they have met university placement test requirements. These students are primarily eligible to take core curriculum courses leading toward the entry-level Doctor of Pharmacy until they are eligible to apply for admission to the Professional Pharmacy Program. Students applying for the Professional Pharmacy Program must also have met university placement test requirements. Enrollment in the Pre-Pharmacy Concentration is not a guarantee of admission to the Professional Pharmacy Program.

B. For the Professional Pharmacy Program or Curriculum

1. **Pre-professional (pre-pharmacy) students** desiring to enroll in the professional pharmacy program must submit an application for admission to the College's Admissions and Academic Standards Committee by the end of the first semester of the second year (sophomore level). The following should be noted:
 - a. Prior to admission to the professional pharmacy program, students must have completed all of the requirements for the first two years (pre-pharmacy curriculum) and met university placement test requirements.
 - b. No grade below "C" (2.00) will be accepted in the required courses. Students having grades below "C" in these courses will be allowed to repeat them, after which time they may apply again to the professional pharmacy program.
 - c. The on-line application for admissions to the Entry-Level Pharm.D. Program and completed credentials must be received by the deadline stated on the College website for the year of admission.
 - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants should see the College website for PCAT Test dates that are acceptable. Applicants with PCAT scores more than one calendar year old will not be considered for admission.
 - e. Applicants must be interviewed before admission is offered. A completed on-line application for admission, including the required letters of recommendation/evaluation, scores from the Pharmacy College Admission Test (PCAT), and academic transcripts are required prior to consideration for an interview. Submission of all required documentation does not guarantee an invitation for an interview.
 - f. Not more than sixty-six (66) semester credit hours completed (grades of "C" or better) will be accepted on transfer from community or junior colleges.
2. Applicants may be admitted to the College of Pharmacy and Health Sciences after transfer to the university from an accredited standard college or from an approved community or junior college under the following conditions:
 - a. The applicant is not under penalty for low scholarship (i.e., poor academic performance) or unsatisfactory conduct in any collegiate institution previously attended.
 - b. The academic average in all college work previously attempted is not below the grade of "C+" with a GPA of 2.33 or more on a scale of 4.00.
 - c. The Pharmacy College Admission Test (PCAT) has been taken.
 - d. The applicant receives a favorable recommendation from the College Admissions and Academic Standards Committee. The Committee will verify that all of the requirements for the Pre-Pharmacy Program have been met.

- e. The applicant has not exceeded the maximum of 66 credit hours from a two year college.
3. **Currently enrolled Professional-program students** must maintain an average of “C” (2.00) or better and earn grades of “C” or better in required courses in any given year. If these standards are not maintained, the following rules will be enforced:
- a. Students may repeat the course(s), if offered, during the summer at the University or any approved accredited university before they can enter the next professional year of study. Students desiring to take pharmacy, health sciences or other courses off campus or in other departments of the University must secure permission from the Associate Dean for Academic Affairs of the College prior to registration.
 - b. Students failing (i.e., grade less than ‘C’) a required course will be allowed to repeat it twice. Students failing to receive a satisfactory grade after three unsuccessful attempts will not be allowed to continue in the professional pharmacy program.

C. For Graduates of Foreign Schools of Pharmacy

The Faculty of the College of Pharmacy and Health Sciences has approved the following stipulations for all graduates of Foreign Schools of Pharmacy seeking the entry-level Doctor of Pharmacy Degree from Texas Southern University:

1. All applicants in this category apply to the entry-level PharmD. program as a first year student, must take the Pharmacy College Admission Test (PCAT) and complete all prerequisites required for admission.
2. All foreign transcripts must be evaluated by one of the approved agencies certified by Texas Southern University. A complete list of agencies may be obtained from the Office of International Affairs at Texas Southern University.
3. All applicants in this category must meet the foreign language requirements of the University.

D. For the Pre-Health Sciences Program

Admission to the Pre-Health Sciences Program is open to all students who: (1) present evidence of a having a diploma confirming high school graduation; (2) show evidence of good character and intellectual promise; and (3) present scores earned on either the SAT or ACT examination. Students in this category may follow the curriculum of study for the Health Sciences Program of choice prior to enrollment in professional-level courses. Before enrollment in professional-level courses is permitted, students must formally apply for admission to the Program of choice through the Department of Health Sciences Admissions and Academic Standards Committee and in accord with requirements or stipulations of each program as presented below. It is important that all applicants for the Health Sciences Programs seek advisement from the advisor of the program of interest. Once acceptance is recommended by the Committee, students may enroll in professional courses toward completion of requirements for the chosen Health Sciences Program degree and the respective professional credential.

E. For the Professional Program in Environmental Health

All students seeking admission to this program must formally apply to the Admissions and Academic Standards Committee in the College through the Program Director. Applications must be accompanied by official transcripts of all college work (with evaluations from the University Registrar) and three letters of recommendation from previous teachers, advisors, or workplace supervisors. All applicants must have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics before entering the Program. Students must have acceptance prior to enrollment in professional courses.

F. For the Professional Program in Health Administration

For acceptance into the Health Administration Program, students must arrange an appointment with a Program or faculty advisor prior to submission of the Program application. Once initial advisement is completed, students may seek admission to the program by applying to the Department of Health Sciences Admissions and Academic Standards Committee in the College per consent of the Program Director. Official transcripts of all college studies (including transfer evaluations from the University Registrar, as applicable) must accompany all applications, as well as three letters of recommendation. All applicants must have an overall GPA of 2.50 or better on a 4.00 scale to qualify for admission. Students must be awarded acceptance prior to enrollment in professional courses. Membership and active participation in the Student American College of Health Services Executives (ACHESA) is encouraged. All students admitted to the Health Administration Program are expected to apply for membership in the American College of Health Services Executives as a student member. ACHESA is the official Health Administration professional organization which provides the forum for interaction between students and practicing members in the health care management professions.

G. For the Professional Program in Health Information Management

To qualify for admission to the Health Information Management Program, students must submit applications to the Department of Health Sciences Admissions and Academic Standards Committee per consent of the Program Director. Three letters of

recommendation and transcripts of all college studies (including transfer evaluations from the University Registrar) are required to be submitted with the application. Applicants must have an overall GPA of 2.50 or better on a 4.00 scale in mathematics, business, and computer science to qualify for admission and prior to enrollment in professional courses.

H. For the Professional Program in Clinical Laboratory Science

Students seeking admission to this program must arrange an appointment with the Program Director prior to submitting an application. Following initial advisement, students make application to the program by April for matriculation in the fall semester entry level professional courses. (There is only one entering class each year in the Fall semester). Applicants must be accepted prior to enrollment in professional courses. Students applying must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director, three letters of recommendation from previous instructors, and transcripts of all college work completed (with evaluations from the University Registrar). In addition, they must have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.

I. For the Professional Program in Respiratory Therapy

Applications for admission to this program are accepted and finalized each Fall Semester. Entry-level professional courses begin each Spring Semester. The application process is competitive and requires submission of application to the Department of Health Sciences Admissions and Academic Standards Committee with the consent of the Respiratory Therapy Program Director. Three letters of recommendation and transcripts of all college studies completed (transferred credits must be evaluated by the University Registrar) are also required. Students applying must have a GPA of 2.50 or better on a 4.00 scale in Mathematics and the Basic Sciences of Biology, Chemistry, and Physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.

TRANSFER CREDIT

The designation of “advanced standing” may be granted, by level, to students transferring from other institutions into the Pre-Pharmacy Program, the Professional Pharmacy Program, or one of the Health Sciences Programs on a case-by-case basis through the Office of Admissions at the University, through the Admissions and Academic Standards Committee in the College, and under rules set forth by authorized committees of the University Faculty. However, students transferring, specifically, into one of the Health Sciences Programs may transfer **no more than sixty-six (66) semester credit hours from either a community or junior college. Post-baccalaureate applicants receive transfer credit evaluation through program advisors.** The University reserves the right to determine, after a period of at least one semester, the exact number of advanced credits that a student may be credited.

CLASSIFICATION OF STUDENTS IN PHARMACY

First-Year Professional (P1) students must have been approved for admission to the professional program by the Admissions and Academic Standards Committee. Second-Year Professional (P2) students are Pharm.D. students who have successfully completed all prescribed first-year courses with a grade of “C” or better. Third-Year Professional (P3) students are Pharm.D. students who have completed all prescribed first and second-year courses with a grade of “C” or better. Fourth-Year Professional (P4) Pharm.D. students are students who have successfully completed pre-professional, first, second and third year prescribed courses with a grade of “C” or better and passed the summative examination. All students must have completed all-prerequisites prior to the beginning of their P4 year in order to begin advanced pharmacy practice experiences. Students are required to maintain a GPA of 2.0 or better. Additionally, these students must have passed the summative examination to progress to the fourth professional (P4) year.

CLASSIFICATION OF HEALTH SCIENCE MAJORS

A. First Year Students

First-year students are those pre-professional students who have a desire to enroll in one of the Health Sciences major areas. These students are enrolled in the classes for the respective curricula, having met all requirements for admission to the university. Additionally, these students must earn grades of “C” or better in the first year classes.

B. Second Year Students

Second-year students are those pre-professional students who have successfully completed the first-year courses for their respective health science program with the required credit hours as listed below and who have at least twice as many quality points as credit hours:

Environmental Health	-36 credit hours
Health Care Administration	-34 credit hours
Health Information Management	-40 credit hours
Clinical Laboratory Sciences	-35 credit hours
Respiratory Therapy	-34 credit hours

C. Third Year Students

Third-year students are considered first-year professional program students.

1. They must have been approved for admission by the appropriate faculty Admission Committee.
2. They must have at least the required credit hours listed below and must have earned at least twice as many quality points as credit hours.

Environmental Health	-76 credit hours
Health Care Administration	-65 credit hours
Health Information Management	-71 credit hours
Clinical Laboratory Sciences	-75 credit hours
Respiratory Therapy	-80 credit hours

D. Fourth- Year Students

Fourth-year students are considered second-year program students.

1. They must have successfully completed the first-year professional courses.
2. They must have at least the required credit hours.

CLASS ATTENDANCE

Compulsory class attendance is the official College of Pharmacy and Health Sciences policy affecting all students regularly enrolled in courses offered through the College. Students are required to attend 85% of all regularly scheduled classes, except in advanced pharmacy practice experiences, internships, preceptorships, and other experiential courses, where no more than two absences are allowed. Class meetings are usually scheduled Monday through Friday of each week. Prior to mid-term, failure to attend regularly scheduled classes as required above will be deemed adequate grounds for withdrawal from a course. After mid-term, failure to comply with the attendance policy may result in a non-passing final grade for the course. Specific attendance policies may be included in the course syllabus.

COMPREHENSIVE EXAMINATIONS

Pharmacy

Students will be required to take formative and summative examinations at various phases during the curriculum.

During the fourth professional year of study, students must successfully complete a comprehensive examination where the score is validated by the Faculty. Graduation must occur within one year of successful completion of the Comprehensive Examination, or the Comprehensive Examination must be successfully repeated. In addition, a score of at least 75% in Texas Jurisprudence is required in order to be approved for graduation.

Environmental Health

Students must pass a comprehensive examination prior to graduation. The passing score is 75%. The examination is administered during the senior year after candidates for graduation have initiated the graduation application process. Persons with prior certification in an environmental health profession or who have pursued certification examinations during the course of their studies from internationally acknowledged organizations, such as the National Environmental Health Association (NEHA), may be exempt from this requirement based upon positive outcomes.

Health Administration

A comprehensive examination is required of all students to complete the Bachelor of Science in Health Administration degree. Students are examined in four areas: health status of the population; financial and economic impact of health care; health care policy; and ethical and legal aspects of health care. A score of 70% or better is considered a passing score. The exam is administered

during the senior year. Graduation must occur within one year of successful completion of the comprehensive examination, or the comprehensive examination must be repeated.

Health Information Management

A comprehensive examination is required of all students to complete this program. During their senior year, students must gain the approval of the Program Director before attempting the examination, and must pass the examination with a score of 75% or better. Once the examination is completed, students are individually issued a Certificate of Completion in Health Information Management, and they may petition to take the American Health Information Management Association RHIA Certification Examination.

Clinical Laboratory Science

All students in this program are required to pass a comprehensive examination during their senior year with a score of 75% or better prior to graduation. Students approved for graduation may also petition to take a national examination administered by The American Society of Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel. Students failing the comprehensive examination will be required to complete remedial activities and/or course work prior to re-examination. Students will only be allowed to repeat the comprehensive examination twice.

Respiratory Therapy

Two program comprehensive examinations are required of all students for receipt of the program's Special Certificate of Completion in Respiratory Therapy. The two parts consist of the Certified Respiratory Therapist (CRT) examination and the Registered Respiratory Therapist (RRT) examination. The certificate obligates the student to successfully attempt the professional board examinations as a requisite to graduation. Students must be approved by the Program Director to attempt the comprehensive examinations. Successful completion of both comprehensive examinations qualifies students to take the professional National Board of Respiratory Care Entry board examination to become a Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT). The CRT comprehensive examination must be passed prior to attempting the RRT comprehensive examination. The passing score for both comprehensive examinations is in accord with national passing rates which require a scaled score of 70. Students failing any part or parts of the program's comprehensive examinations will be required to enroll in documented recapitulative course work prior to re-examination.

SCHOLASTIC REPORTS AND PROBATION

Temporary grades for students are reported at mid-semester. If students are doing unsatisfactory work at that time, they have full responsibility for their own improvement, and it is recommended that they confer with their assigned faculty advisors and with course instructors for advisement. Poor scholarship, non-attendance, questionable conduct, or lacks of industry are reasons for placing a student on probation and for possible dismissal. If the probation is a result of poor scholarship, it is the responsibility of individual students to report, at least, once a month to their faculty advisors. Poor scholarship is interpreted to mean failure to earn at least twice as many quality or grade points as semester credit hours attempted during any semester.

ACADEMIC DISCIPLINE

Academic discipline is primarily for corrective purposes and is aimed at the development of responsible student conduct. The University has the right and the duty to protect its educational purpose through setting and maintaining standards and regulations considered essential to its purpose. Such standards encompass both dress and behavioral patterns. Guidelines for proper professional conduct include honesty and personal integrity; respect for human rights, dignity, and well being; proper language; neatness in personal appearance; courtesy; and cooperation. Disciplinary regulations and procedures are described in the Student Academic Handbook. It should be kept in mind that suspension and expulsion are among the penalties for grave breaches of discipline. A copy of the Student Academic Handbook for the College of Pharmacy and Health Sciences is available on the college website, in the Office of the Dean, in the Office of the Assistant Dean for Student Services, and in the Health Sciences Department Office.

PROFESSIONAL FEES

PHARMACY AND HEALTH SCIENCES FEE. In addition to the cost of tuition, all students are required to pay a professional fee as part of registration fees. The amount of this fee is subject to change from semester to semester. Collectively, these fees are used to support student travel to professional meetings and to support student activities.

PROFESSIONAL STUDENT LIABILITY INSURANCE. All students who are enrolled in practice experiences in pharmacy or health sciences programs are required to purchase liability insurance. The insurance is mandatory and serves to protect the student and the College of Pharmacy and Health Sciences, and is a condition for affiliation with other participating institutions.

HEALTH INSURANCE. Health insurance that covers inpatient and outpatient services is a requirement of all students participating in practice experiences and is a condition of the affiliation agreements with host institutions.

BACKGROUND CHECK. A background check is required of students participating in practice experiences. Students are referred to an on-line third party vendor, as appropriate, to request the background check and are responsible for any associated costs and paperwork.

SPECIAL REQUIREMENTS FOR PHARMACY AND HEALTH SCIENCES STUDENTS PARTICIPATING IN PRACTICE EXPERIENCES

Students in the College who are enrolled in professional practice experiences will be required to present proof of the following:

1. Current record of required immunizations, including Meningitis, MMR (Measles, Mumps, Rubella), Hepatitis B (series I, II, III), Diphtheria/Tetanus, Tuberculin skin test (annual) and other emerging immunization requirements. Any student who has a positive PPD must provide copy of a recent chest x-ray, and Varicella compliance. Students must provide dates of Varicella vaccination or a positive antibody titer. These requirements are subject to change depending upon requests from affiliates.
2. Cardiopulmonary Resuscitation (CPR) Training
3. Health Insurance Portability and Accountability Act (HIPA) Training
4. Occupational Exposure to Blood Borne Pathogens Training

Additionally, students admitted to the professional pharmacy program will be required to present proof of having the appropriate immunizations prior to being seated in the incoming first professional year class.

The students must meet all other specific requirements of affiliated health care facilities.

SPECIAL REGULATIONS IN THE COLLEGE OF PHARMACY AND HEALTH SCIENCES

The Dean's Office is the executive office of the Faculty. It is the Dean's duty, under the direction of the Provost/ Vice-President for Academic Affairs/Research and President, to enforce the rules of the Faculty, the rules of the Board of Regents, and to administer discipline in the case of violations.

Students must repeat any course in the Pharmacy or Health Sciences curricula in which a grade below 'C' (including 'C-') has been earned. Grades of 'C-' or less may not be used to fulfill the major requirements for graduation.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy, requirement, or fee at any time during the time that students are enrolled. Courses are also subject to change.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The three departments housed in the College of Pharmacy and Health Sciences are described in detail on the pages that follow. They are described in the following order: Department of Pharmaceutical Sciences, Department of Pharmacy Practice, and Department of Health Sciences.

DEPARTMENT OF HEALTH SCIENCES

The Department of Health Sciences offers five (5) baccalaureate or undergraduate degrees: **the Bachelor of Science (B.S.) in Environmental Health, the Bachelor of Science (B.S.) in Health Administration, the Bachelor of Science (B.S.) in Health Information Management, the Bachelor of Science (B.S.) in Clinical Laboratory Science (Medical Technology), and the Bachelor of Science (B.S.) in Respiratory Therapy**. Each degree program has a Program Director, and courses specific to each program are offered through the Department under the following designations: HSEH (Environmental Health), HSHA (Health Administration), HSHI (Health Information Management), CLSC (Clinical Laboratory Science), and HSRT (Respiratory Therapy). Student majors within the Health Sciences are required to complete three to six HSCR (Health Sciences Core) courses, which are also offered through the Department.

The Department of Health Sciences is housed in the Nabrit ScienceCenter with the main office located in Room 202. The Department supports the primary mission of the College: to produce quality health care professionals, especially African-Americans and other minorities, in Environmental Health, Health Administration, Health Information Management, **Clinical Laboratory Science** and Respiratory Therapy.

The **Environmental Health Program** provides graduates with the technical and administrative skills to function in industry, governmental agencies, consulting firms, and academia. Graduates are qualified to enter the workforce in air and water quality control, solid and hazardous waste management, occupational health and industrial hygiene, environmental toxicology and risk assessment, epidemiology, and disease surveillance.

The **Health Administration Program** provides graduates with the competencies and skills to become effective administrators, managers and supervisors for goal-oriented achievements in health delivery systems. Graduates are also prepared to function effectively in response to trends, issues, emergent problems, and other concerns that affect the health, and welfare of clients and self-actualization of segments of the population.

The **Health Information Management Program** provides graduates with the technical and administrative skills to manage health information systems consistent with professional standards (medical, administrative, ethical, and legal) in health care delivery systems. Graduates also possess the knowledge and skills needed to plan and develop health information systems which meet standards of accrediting and regulating agencies.

The **Clinical Laboratory Science (formerly Medical Technology) Program** provides graduates with the technical and administrative skills required for the effective delivery of health care services consistent with the practices and standards of Clinical Laboratory Science. Graduates are prepared and qualified to perform evaluations of testing techniques, procedures, and personnel; to perform analytical testing of body samples; and to resolve discrepancies with the interpretation of diagnostic laboratory patient data. Graduates also possess the capabilities needed for public education, as well as for planning and developing clinical laboratory facilities that meet the standards of accrediting and governmental regulatory agencies.

The **Respiratory Therapy Program** provides graduates with the technical and administrative skills for performing diagnostic evaluation, therapy, patient/family education, and public education in cases of cardiopulmonary dysfunction. Graduates have the skills to perform diagnostic activities such as obtaining and analyzing physiological specimens, interpreting physiological data, and performing sleep disorder studies. They also have the skills for administering therapy involving such techniques as the application and monitoring of mechanical ventilation, environmental control systems, artificial airway care, and cardiopulmonary rehabilitation. These graduates have the further capability of conducting patient/family education activities that promote knowledge of disease processes, medical therapy, and self-help as well as public education activities that focus on the promotion of cardiopulmonary wellness.

Courses offered through the Department, curricular summaries for the various degrees, and the sequences in which program-specific courses and their primary prerequisite and co-requisite courses should be taken are indicated below.

Students should refer to program admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Allen, Reginald Instructor Respiratory Therapy B.S., M.Ed., Texas Southern University</p>	<p>Quiller, Dorothy Assistant Professor Clinical Laboratory Science B.S., M.Ed., Texas Southern University</p>
<p>Bright, Mildred Visiting Professor Health Administration B.S., Prairie View A&M University M.Ed., Texas Southern University Dr.P.H., The University of Texas at Houston</p>	<p>Rasmus, Monica L. Assistant Professor Health Administration B.S., Baylor University M.Ed, University of Houston M.P.H., Dr.P.H., The University of Texas School of Public Health</p>
<p>Hampton, Jean M. Associate Professor Respiratory Therapy B.S., M.S., Ph.D., Texas Southern University</p>	<p>Shelton, Andrea Professor Health Administration B.A., Howard University M.A., University of South Florida Ph.D., University of Pittsburgh</p>
<p>Hawkins, Fanny Visiting Professor Health Information Management B.S., University of Southwestern Louisiana M.P.A., Ed.D., Texas Southern University</p>	<p>Moore, Tondra Assistant Professor Health Administration B.S., Alabama State University M.P.H., Ph.D; University of Alabama at Birmingham J.D., Samford University</p>
<p>James, Andrew B. Adjunct Professor Health Administration Dr.P.H., The University of Texas at Houston J.D., Texas Southern University L.L.M., University of Houston</p>	<p>Taylor, Andrew Instructor Respiratory Therapy B.S., M.S., Texas Southern University</p>
<p>Lawson, Melanie W. Associate Professor Health Administration M.P.H., The University of Texas at Houston Ph.D., University of Houston</p>	<p>Thomas, Renard Associate Professor Environmental Health B.S., University of Houston M.S., Ph.D., Texas Southern University</p>
<p>Mazique, Judith B. Assistant Professor Environmental Health B.S., Howard University M.P.H., The University of Texas at Houston J.D., South Texas College of Law</p>	<p>Yeldell, Victor Instructor Respiratory Therapy B.S., Texas Southern University M.S., Mercer University</p>
<p>McVea, Jackie Assistant Professor Clinical Laboratory Science B.S., M.Ed., Ed.D., Texas Southern University</p>	<p>Yousefipour, Zivar Associate Professor Environmental Health B.S., M.S., University of Houston Ph.D., Texas Southern University</p>
	<p>Zikarge, Astatkie Assistant Professor Environmental Health B.S., M.S., East Tennessee State University M.P.H., The University of Texas School of Public Health M.D., St. George's University School of Medicine</p>

HEALTH SCIENCES CORE COURSES

HSCR 150	Concepts of Health (3) Study of the health care industry and its transition from the past to the present via the scientific process and analysis of relationships among selected health problems. Three hours of lecture per week.
HSCR 260	Biomedical Ethics (3) Comprehensive study of ethical rules, principles, and theories; their application to contemporary moral issues/dilemmas; and their impact on the legal, social, and medical communities. Three hours of lecture per week. Prerequisite: HSCR 150 or concurrent enrollment.
HSCR 300	Health Sciences Seminar (1) Review of current social, political, and economics issues and their impact on specific health disciplines via discussions, simulations, and presentations. One hour of lecture per week. Prerequisite: HSCR 150 or concurrent enrollment.
HSCR 360	Principles of Disease (3) HSCR 360 is a comprehensive study of principles and concepts in human disease focusing on bio-mechanistic processes involved in disease, and the clinical, social, environmental and other influences on the occurrence, manifestations and relevant trends of human disease and disorder. Disease etiology, pathogenesis, treatment, prognosis, social implications and research initiatives relative to humans are stressed. Community and public health and wellness are reviewed. Three hours per week.
HSCR 361	Research for Health Professionals (3) Study of the basic techniques and the principles of the research process in health facilities. Enrollees must perform quantitative health research using computer applications. Three hours of lecture per week.

ENVIRONMENTAL HEALTH COURSES

HSEH 232	Introduction to Environmental Health (3) Survey of topics in population and resource management, fundamentals of air and water pollution, solid and hazardous wastes, pest and vector control, and radiation protection. Open to majors and non-majors. Three lecture hours per week. Prerequisite: Consent of faculty.
HSEH 233	Epidemiology and Biostatistics (4) Principles of distribution and determinants of diseases in human populations including statistical methods and computer applications in data collection and analysis. Four hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
HSEH 234	Health Physics (3) Fundamentals of ionizing and non-ionizing radiation with respect to source, exposure dose, biological interaction, methods of surveillance, and protection. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
HSEH 235	Human Ecology (3) Principles of environmental physiology; medical geography and sociology; international and travel health; adaptation mechanisms to extremes of temperature, pressure, altitude, and microgravity; and circadian rhythms. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
HSEH 334	Public Health Organization and Administration (3) Principles of organization and administration of environmental health programs by governmental agencies including disease surveillance and health data management, environmental policy and ethics, and health education. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
HSEH 337	Environmental Microbiology (4) Survey of microorganisms of ecological, medical, and industrial importance with respect to nutrient recycling, food spoilage, infectious diseases, and biotechnology. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSEH 233 and HSEH 344 or Consent of faculty.

HSEH 338	Water Pollution and Control Survey of chemical, physical, and biological pollutants affecting water quality for drinking and other designated end uses. Pollution monitoring and control strategies also discussed. Three hours of lecture per week. Prerequisite: HSEH 337 or Consent of faculty.	(3)
HSEH 339	Air Pollution and Control Survey of ambient and indoor air quality changes due to toxic emissions. Atmospheric chemistry and meteorology, standard air pollution indicators, global climate changes, and control strategies discussed. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.	(3)
HSEH 344	Environmental Chemistry Comprehensive survey of behavior and fate of chemical pollutants in atmosphere, hydrosphere, geosphere, and biosphere including standard methods of chemical analysis of environmental media. Three hours of lecture and one hour of laboratory per week. Prerequisite: HSEH 232 or Consent of faculty.	(4)
HSEH 425	Insect and Vector Control Comprehensive survey of agricultural and urban pests, disease transmitting vectors and their habitat, principles of entomology, parasitology and zoonoses, integrated vector control, and pest management. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.	(3)
HSEH 431	Solid Waste Management Municipal solid waste problems and solutions: generation, storage, collection, transport, processing, and disposal. Three hours of lecture per week. Prerequisite: HSEH 337 or Consent of faculty	(3)
HSEH 432	Hazardous Waste Management Industrial, medical, and household hazardous waste problems and solutions: generation, characterization, transport, storage, treatment, and disposal. Minimization, exchange, recovery, incineration, and secure landfills discussed. Three hours of lecture per week. Prerequisites: HSEH 232 and HSEH 337 or Consent of faculty	(3)
HSEH 433	Institutional Health and Safety Study of safety hazards, building permits and codes of residential, school, hospital, day-care, and penal institutions. Sick building syndrome, emergency planning, and accommodation of disabled persons discussed. Three hours of lecture per week. Prerequisite: HSEH 235 or Consent of faculty.	(3)
HSEH 434	Sewage Treatment and Disposal Industrial, agricultural, and municipal wastewater collection, transport, treatment, and disposal. Design and operation of sewage treatment plants, on-site and waterless systems, and sludge management discussed. Three hours of lecture per week. Prerequisite: HSEH 344 or Consent of faculty.	(3)
HSEH 435	Environmental Health Problems Global environmental issues: famine and starvation, environmental refugees, environmental justice and equity, hazardous waste sites, housing and urban blight, crime and substance abuse. Three hours of lecture per week. Prerequisites: HSEH 232 and HSEH 233 or Consent of faculty.	(3)
HSEH 442	Occupational Safety and Health Hazard and root cause analysis, occupational injuries and control of workplace hazard exposures. Fundamentals of regulations of OSHA, workers compensation, occupational disease surveillance, hazard communication, and accident investigation discussed. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.	(3)
HSEH 450	Environmental Toxicology Comprehensive survey of principles of toxicodynamics and toxicokinetics; xenobiotic dispersal and ecosystem response; exposure pathways and target organs; mechanisms of toxicity; toxicity testing for mutagenesis, carcinogenesis, and teratogenesis. Three hours of lecture per week. Prerequisite: HSEH 344 or Consent of faculty.	(3)

HSEH 451 **Environmental Impact Assessment** (3)
Consideration of environmental impacts and risks of legislative proposals, policies, programs, and projects following NEPA regulations: qualitative/quantitative risks, identification, characterization, exposure assessment, dose-response determination, interpretation, communication, and management. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.

HSEH 460 **Internship** (6)
Field practicum in industry, governmental agencies, consulting firms, and academic research facilities providing observation and participation in the practice of environmental health programs. Twenty-two hours of laboratory (practicum) per week. Prerequisite: Consent of faculty.

HEALTH ADMINISTRATION COURSES

HSHA 211 **Health Information Systems** (3)
Overview of the methods for collecting health data in the preparation of health surveys and reports with computer research applications emphasized. Three hours of lecture per week. (Fall course.) Prerequisites: HSCR 150, Eng 131, and Eng 132.

HSHA 262 **Public Policy and Health Care** (3)
Overview of major national and state health legislation related to health policy. Three hours of lecture per week. (Spring course.)

HSHA 312 **Health Administration in School Systems** (3)
Examination of health related issues within School Districts where enrollees are provided an opportunity to perform projects related to enhancing school health settings. Three hours of lecture per week. (Fall course.) Prerequisites: HSHA 211 and HSHA 262.

HSHA 313 **Health Care of the Poor** (3)
Examination of health care issues affecting the underserved, underprivileged, uninsured, the working underinsured, and the poor within the health care system. Three hours of lecture per week. (Fall course.) Prerequisites: HSHA 211 and HSHA 262.

HSHA 314 **Finance and Economics of Health Care** (3)
Overview of health care financial and economic concepts in health care related facilities. Three hours of lecture per week. (Spring course.) Prerequisites: HSHA 312 and HSHA 313.

HSHA 361 **Long Term Care** (3)
Introductory examination of health issues on the rehabilitation and continuing care level: nursing homes, geriatric wellness centers, and homes for the mentally impaired. Three hours of lecture per week. (Fall course.) Prerequisites: PA 271, HSHA 211 and HSHA 262.

HSHA 363 **Ambulatory Health Care Services** (3)
Examination of outpatient health care delivery settings: ambulatory surgery centers, fitness centers, clinics, and HMO's. Three hours of lecture per week. (Spring course.) Prerequisites: HSCR 360 and HSHA 313.

HSHA 411 **Health Administration Internship** (6)
Health Administration capstone course. Direct exposure of students to professional work experiences and responsibilities through workplace settings. Combination of lecture and sitework experience totaling 200 hours. (Fall and Spring course.) Prerequisites: Enrollment contingent upon enrollment in no more than two classes needed to complete degree requirements. Consent of Student's Advisor and Program Director.

HSHA 412 **Legal, Ethical, and Biomedical Aspects of Health Care** (3)
Examination of issues in health care from an ethical, medical, sociological, and legal perspective. Three hours of lecture per week. (Fall course.) Prerequisites: HSCR 360 and HSHA 314.

HSHA 413 **Seminar in Community Health** (3)
Examination of state, local, and community health care issues. Includes the roles of various health agencies. Three hours of lecture per week. (Fall course.) Prerequisite: HSCR 300.

HSHA 414 Seminar in Issues in Health Care (3)
Study of health care issues. Three hours of lecture per week. (Fall and summer course) Prerequisite: HSCR 300.

HSHA 451 Health Care of the Aged (3)
Detailed review of current and future issues in the delivery of health care services for the aged. For interdisciplinary students. Three hours of lecture per week. (Fall course). Prerequisite: HSHA 300 level course.

HEALTH INFORMATION MANAGEMENT COURSES

HSHI 362 Medical Terminology/Word Processing (3)
Designed to extensively develop the student's medical vocabulary: Greek and Latin prefixes, suffixes, word roots, and combining forms used to build medical terms. Three hours of lecture per week. Prerequisites: BIOL 135 and BIOL 136.

HSHI 363 Basic Foundations I (3)
Introduction to health information systems and technology; assessment of institutional and patient-related information needs; departmental, informational, service, and operational needs. Three hours of lecture per week. Prerequisite: HSCR 150.

HSHI 363L Basic Foundations Laboratory (2)
Designed to simulate a health information department with the activities of health information management. Prerequisite: HSCR 150. Co-requisite: Enrollment in HSHI 363 required. Six hours of laboratory per week.

HSHI 364 Management of Health Data I (3)
Indexes and registries; nomenclature and classification systems; data abstraction; departmental operations and services. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.

HSHI 364L Management of Health Data Laboratory (2)
Simulated activities where students are given the opportunity to practice coding diagnoses and procedures from actual medical records using computer technology. Six hours of laboratory per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.

HSHI 365 Directed Practice I (2)
Students assigned to Health Information Management Departments for experiences in the technical aspects of health information management. Two hours of lecture and one hour of laboratory per week. Prerequisites: BIOL 135 and BIOL 136.

HSHI 366 Legal Aspects (2)
Legal terminology; the court system; control and use of health information; health care legislation and regulations; confidentiality; ethical standards for health information managers. Two hours of lecture per week. Prerequisites: HSCR 150 and HSCR 260.

HSHI 373 Basic Foundations II (2)
Management of health information in non-traditional settings: long-term care, ambulatory care, hospices, home health care, psychiatric centers, and rehabilitation facilities. Two hours of lecture per week. Prerequisites: HSHI 363 and HSHI 363L.

HSHI 374 Management of Health Data II (2)
Clinical coding procedures, outpatient coding, statistics, and reporting guidelines. Two hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.

HSHI 401 In-Service Training for Health Information Managers (1)
Presentation of in-service training tools and techniques. One hour of lecture per week. Prerequisite: HSHI 479.

HSHI 402	Comprehensive Health Information Management Review of competencies addressed in all professional courses. Students enrolled must pass a comprehensive examination with a score of 75% or better prior to graduation. Prerequisites: Completion of all HSCR and HSHI courses, except HSHI 476 and HSHI 478.	(1)
HSHI 473	Quality Assurance Management Theory and application of quality improvement, utilization review, risk management, Medicare and Medicaid review process, and other laws and regulations applicable to health information systems. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	(3)
HSHI 474	Computerized Health Information Systems Evaluation of hardware and software components of computers for health information systems: design and cost effectiveness, record linkages, and data sharing. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	(3)
HSHI 475	Directed Practice II Students assigned to a health information management center for experiences in quality improvement, computer applications, classification systems, and statistical analysis of health information. One hour of lecture, one hour of laboratory, independent study per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.	(3)
HSHI 476	Preceptorship Students assigned to a health information center for administrative management training. Individual projects assigned for completion at site. One hour of lecture and ten hours of laboratory per week. Prerequisite: Consent of the Program Director.	(4)
HSHI 477	Management of Health Information Systems Theories of managerial concepts and control mechanisms as applied to health information systems. Four hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.	(4)
HSHI 478	Problems in Medical Records / Health Information Management Problem identification and resolution, including formulation of alternative solutions, for health information management. Post-preceptorship discussions also included. Two hours of lecture per week. Prerequisite: Consent of the Program Director.	(2)
HSHI 479	Health Information Personnel Management Discussion of the skills, techniques, policies, and procedures needed for successful human resource management: interview process, performance appraisals, and wage and salary administration. Three hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.	(3)

CLINICAL LABORATORY SCIENCE COURSES

CLSC 252	Serology Practices and Procedures Integration of didactic instruction with discussion of serology tests in normal and disease states, principles and significance of procedures, quality control, audiovisual and case studies to provide a comprehensive understanding of serologic practices and procedures in evaluating disorders of the immune system, infectious diseases, autoimmune disease and hypersensitivity states. Two hours of lecture weekly. Prerequisite: Consent of Program Director.	(2)
CLSC 252L	Serology Practices and Procedures Laboratory Course provides students with a simulated clinical laboratory experiences in processing patient specimens, performing selected tests/analysis of specimens, report results and correlate test results with pathologic diseases/conditions. Three hours of laboratory weekly. Co-requisite: concurrent enrollment in HSCL 252 lecture. Prerequisite: Consent of Program Director.	(1)

CLSC 304	Clinical Laboratory Science Application I The course integrates didactic instruction with case studies and performance of laboratory procedures to provide a comprehensive understanding of clinical laboratory policies and procedures inclusive of an overview of the profession, phlebotomy, laboratory safety, compliance and regulatory agencies. One hour of lecture per week.	(1)
CLSC 305	Clinical Laboratory Science Application II The course is designed to provide an orientation to the theory and required skills in education methodology, laboratory information systems, laboratory calculation and quality assurance. One hour of lecture per week.	(1)
CLSC 306	Comprehensive Clinical Laboratory Science This course will provide exposure to laboratory management as well as research skills and techniques. Research class will culminate in a presentation of clinical research. Additionally, there will be reinforcement of theoretical acquisition of core knowledge in CLS to facilitate application to board type questions. The class will be repeated with the first semester of the senior year covering management and the second semester of the senior year covering research. One hour of lecture per week. Prerequisites: HSCR 300 or concurrent enrollment, CLSC 304 and CLSC 305.	(1)
CLSC 352	Hematology I The theory of development of cellular elements of the blood including principles of diagnostic importance to detect disease and recognize normal processes affecting the anemias, leukemias, etc. of the hematopoietic system. Three hours of lecture weekly. Prerequisite: Acceptance into the program and consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 352L.	(3)
CLSC 352L	Hematology Laboratory I Routine laboratory assay used to assess the hematopoietic system related to the detection, identification, and pathophysiology of anemias, leukemias, and other blood dyscrasias. Four hours of laboratory weekly. Prerequisite: Co-requisite: Concurrent enrollment in CLSC 352	(1)
CLSC 353	Clinical Microscopy and Quality Control An introduction to urinalysis and body fluid analysis, including anatomy and physiology of the kidney, physical, chemical and microscopic examination of urine, cerebrospinal fluid and other body fluid; inclusive of theory, performance and interpretation of procedures involving the physical, chemical and microscopic properties of urine and body fluids. Three hours of lecture weekly Prerequisite: Consent of Program Director.	(3)
CLSC 353L	Clinical Microscopy and Quality Control Laboratory Simulated clinical laboratory experiences in which students process patient specimens, perform selected tests, report results, correlate data with various pathologic diseases/conditions; enhance critical thinking and decision making in the correlation of patient data. Four laboratory hours weekly. Prerequisite: Consent of Program Director.	(1)
CLSC 354	Immunoematology I The course is a comprehensive study that focuses on regulatory agencies, quality assurance policies and practices, basic principles of immunology and genetics (inclusive of molecular genetics), antigen and antibody theory, in-vitro practices, anti-globulin testing and compatibility testing relevant to blood banking and safe transfusion practices. Critical thinking and analytical skills will be increased via case studies. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS program and consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 354L.	(2)
CLSC 354L	Immunoematology I Laboratory Student will apply the acquisition of blood banking knowledge and of analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance and quality control practices and testing procedures will be performed. Safety issues and practices will be emphasized. Three hours of laboratory weekly. Co-requisite:Concurrent enrollment in CLSC 354.	(1)

CLSC 355	Medical Chemistry I Course focuses on basic clinical chemistry practices and procedures designed to provide a comprehensive understanding of subject matter and correlate test results with various diseases/conditions. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS Program or consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 355L.	(2)
CLSC 355L	Medical Chemistry Laboratory I Course provides students with the opportunity to process patient specimens perform selected tests, report and correlate test results with various pathologic diseases/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Four hours of laboratory weekly. Co-requisite: Concurrent enrollment in CLSC 355.	(1)
CLSC 356	Hemostatic Processes The theory of the coagulation mechanism and its relationship in disease states with emphasis on identification of coagulation deficiencies and abnormalities. Enhancement of critical thinking and decision making skills utilizing case studies and correlation of patient data. Three hours of lecture weekly. Prerequisite: Consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 356L.	(3)
CLSC 356L	Hemostatic Processes Laboratory Routine laboratory assay used to assess the health of the hemostatic system relating to the detection, identification and pathophysiology of blood dyscrasias affecting thrombus formation inclusive of platelet enumeration and evaluation. Four hours of laboratory weekly. Co-requisite: Concurrent enrollment in CLSC 356.	(1)
CLSC 357	Practicum I Performance of serological and urinalysis techniques and methods in an affiliated clinical facility. Includes quality assurance practices and procedures and equipment maintenance. Fifteen hours of laboratory per week. Prerequisite: Consent of the Program Director and fourth year standing.	(3)
CLSC 358	Clinical Immunology Clinical rotation in an affiliated clinical facility with emphasis on technical skills and applications. Ten hours of laboratory per week. Prerequisite: Consent of the Program Director.	(2)
CLSC 359	Microbial Human Disorders I Skills development and performance in the detection, isolation, and identification of microbes of medical importance to human pathologic conditions. One hour of lecture and four hours of laboratory per week. Prerequisites: CLSC 252 and CLSC 252L.	(3)
CLSC 362	Hematology II Advance theory in hematology focusing on routine and specialized processes required to perform, interpret, classify and evaluate cellular abnormalities and recognize those conditions that are considered normal. Case studies are utilized to enhance the development of critical thinking and decision making skills. Two hour lecture weekly. Prerequisites: CLSC 352 and CLSC 352L. Co-requisite: Concurrent enrollment in CLSC 362L.	(2)
CLSC 362L	Hematology II Laboratory Routine and specialized testing are used to define, diagnose, monitor, evaluate, classify, and validate patient data in the assessment of blood cell abnormalities of the hematopoietic system. Four laboratories weekly. Prerequisites: CLSC 352 and CLSC 352L. Co-requisite: Concurrent enrollment in CLSC 362.	(1)
CLSC 364	Immuno-hematology II A continuation of knowledge and skills acquired in blood bank, blood donor collection, testing, utilization and storage of blood and blood components. Transfusion therapy practices, adverse complications of transfusion therapy, Hemolytic Disease of the fetus and newborn, and hemolytic anemias will be explored. Case studies will be utilized to enhance critical thinking and analytical skills. Two lecture hours weekly. Prerequisite: CLSC 354 and CLSC 354L. Co-requisite: Concurrent enrollment in CLSC 364L.	(2)

CLSC 364L	Immunoematology II Laboratory An advanced level of testing procedures will be performed in this course. Students will demonstrate the acquisition of blood banking knowledge, analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance practices, including quality control testing will be performed. Safety issues and practices are emphasized. Four laboratory hours weekly. Prerequisite: CLSC 354 and CLSC 354L. Co-requisite: Concurrent enrollment in CLSC 364.	(1)
CLSC 365	Medical Chemistry II Advanced, specialized clinical chemistry to provide the opportunity to process patient specimens, perform selected tests, report and correlate test data with various pathologic disease/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Two hours of lecture weekly. Prerequisites: CLSC 355 and CLSC 355L. Co-requisite: Concurrent enrollment in CLSC 365L.	(2)
CLSC 365L	Medical Chemistry II Laboratory Course will focus on opportunities to process patient samples, perform required tests, report and correlate patient test data with various diseases/conditions inclusive of quality control, performance improvement, critical thinking and decision making. Four hours of laboratory weekly. Prerequisites: CLSC 355 and CLSC 355L. Co-requisite: Concurrent enrollment in CLSC 356.	(1)
CLSC 369	Microbial Human Disorders II Recognition of parameters to detect, isolate, and identify the characteristics of medically important microbiologic, mycologic, and parasitic organisms of man. One hour of lecture and four hours of laboratory per week. Prerequisite: CLSC 359.	(2)
CLSC 466	Clinical Hematology Clinical practicum in an affiliated clinical facility with emphasis on practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.	(4)
CLSC 467	Blood Bank Clinical practicum focusing on the performance of antibody assessments, compatibility phlebotomy, component preparation, donor processing of donated blood, and quality assurance. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.	(4)
CLSC 468	Clinical Microbiology Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.	(4)
CLSC 469	Clinical Biochemistry Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.	(4)

RESPIRATORY THERAPY COURSES

HSRT 220	Respiratory Therapy Clinical Practicum Introduction to basic procedures; equipment applications; therapeutic modalities for oxygen, humidity, aerosol therapy; methods in and indicators for respiratory therapeutics. Precedes clinical rotation. Six hours of laboratory per week. Co-requisites: HSRT 230 and HSRT 231.	(2)
HSRT 222	Developmental Practicum in Clinical Applications Skills enhancement of basic procedures and clinical development in patient respiratory care plan, CPR, mechanical ventilation, and patient assessment. Twelve hours of laboratory per week. Twenty-four hours of laboratory per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Co-requisite: HSRT 232.	(2)

HSRT 230	Introduction to Respiratory Therapy Introduction to respiratory care basic sciences applications, terminology, ventilatory mechanics, blood-gas analysis, and acid-base balance. Three hours of lecture per week. Co-requisites: HSRT 220 and HSRT 231.	(3)
HSRT 231	Cardiopulmonary Systems Anatomical and physiological study of the cardiovascular and pulmonary systems; contrast of the normal versus dysfunctional cardiopulmonary system; relationship to and effect upon renal physiology. Three hours of lecture per week. Co-requisites: HSRT 220 and HSRT 230.	(3)
HSRT 232	Intermediate Clinical Applications Theoretical applications in patient assessment, administration, and evaluation of oxygen and aerosol. Intermittent breathing exercises; basic CPR training; and development in mechanical ventilation administration. Four hours of lecture per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Co-requisite: HSRT 222.	(4)
HSRT 307	Respiratory Care Applications I Applications and analyses of clinical data for presentation by respiratory care practitioners. One hour of lecture per week. Prerequisite: Consent of the Program Director.	(1)
HSRT 308	Respiratory Care Applications II Continuation of HSRT 307 to include simulations and presentations. One hour of lecture per week. Prerequisite: Consent of the Program Director.	(1)
HSRT 320	Applied Procedures and Equipment - Clinical Practicum III Study of and clinical practice in applications of the operation, mechanical features, limitations of, and indications for various types of equipment used in respiratory care. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT222, HSRT 230, HSRT 231, and HSRT 232. Co-requisites: HSRT 321, HSRT 330, and HSRT 331.	(2)
HSRT 321	Respiratory Therapy Clinical Practicum IV Symptomatic presentations and pathophysiological manifestations; clinical experiences; case studies; and advanced respiratory patient care procedures at clinical sites. Six hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Co-requisite: HSRT 330, HSRT 331, and HSRT 320.	(2)
HSRT 322	Respiratory Therapy Clinical Practicum V Continuation of HSRT 321 with emphasis on advanced respiratory care practice and technology where invasive and specialized procedures are used. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Co-requisite: HSRT 332, HSRT 333, and HSRT 323.	(2)
HSRT 323	Respiratory Therapy Clinical Practicum VI Long-term, critical, intensive, surgical, and post-surgical assessment of respiratory care therapeutics presented. Advanced clinical experiences, procedures, and case studies obtained at clinical sites. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Co-requisites: HSRT 332, HSRT 333, and HSRT 322.	(2)
HSRT 325	Pediatric Clinical Practicum Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Sixteen of laboratory per week. Co-requisite: HSRT 340.	(2)
HSRT 330	Applied Procedures and Equipment I Study of airway management, resuscitation, and continuous assisted ventilation. Specific mechanics and applications of equipment/techniques utilized in corresponding clinical sites. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Co-requisites: HSRT 320, HSRT 321, and HSRT 331.	(3)

HSRT 331	Theoretical and Applied Respiratory Therapy Study of the pathophysiology and clinical presentations manifested in pulmonary disease and dysfunction. Acid-base balance; radiological and pulmonary function testing; hemodynamics; and ECG presentations studied. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisites: HSRT 330, HSRT 320, and HSRT 321	(3)
HSRT 332	Applied Procedures and Equipment II Study of advanced, invasive, and specialized procedures applicable to the function of the cardiopulmonary and renal systems. Continuation and augmentation of HSRT 330. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisites: HSRT 331, HSRT 320, and HSRT 321.	(3)
HSRT 333	Cardiopulmonary Diseases Advanced study of pathology, diagnosis, treatment, and assessment of pulmonary, circulatory, and renal dysfunction. Emphasis on identification of and treatment regimen for specific cardiopulmonary dysfunction. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330, and HSRT 331. Co-requisites: HSRT 322, HSRT 323, and HSRT 332.	(3)
HSRT 334	Respiratory Care Pharmacotherapy Clinical aspects and physiologic effects of drugs administered by the respiratory care practitioner. Clinical activities involved in the preparation, delivery, and therapeutic evaluation of administered drugs. Three hours of lecture per week. Prerequisite: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232.	(3)
HSRT 340	Neonatal and Pediatric Respiratory Care Respiratory care of newborns, infants, and children; procedures in oxygen, aerosol, and ventilatory therapeutics; and review of anatomy/physiology, specific abnormalities, specialized procedures, and clinical presentations. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330 and consent of the Program Director. Co-requisite: HSRT 325.	(3)
HSRT 420	Comprehensive Respiratory Care Comprehensive study of the respiratory care practice at both the technician and therapist levels based on NBRC job analysis survey results. Two hours of lecture per week. Prerequisite: Consent of the Program Director.	(2)
HSRT 435	Electrocardiographic Technology ECG techniques, procedures, patterns, and interpretations; systematic methods for reading electrocardiograms. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.	(3)
HSRT 440	Respiratory Therapy Management I Departmental management involving personnel, decision making, budgeting, evaluation of departmental effectiveness, and development of departmental policies. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.	(4)
HSRT 441	Respiratory Therapy Management II Continuation of HSRT 440. Three hours of lecture and four hours of laboratory per week. Prerequisites: HSRT 440 and Consent of the Program Director.	(4)
HSRT 453	Cardiopulmonary Technology Pulmonary function testing procedures and interpretation; study of equipment and standards used in pulmonary testing. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.	(5)

HSRT 454

Critical Care and Internship

(5)

Comprehensive study of advanced procedures, therapeutic modalities, decision making, and quality control for the practicing respiratory therapist. Three hours of lecture and sixteen hours of laboratory per week. Prerequisites: Completion of all other professional HSRT courses and consent of the Program Director.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN
ENVIRONMENTAL HEALTH
TOTAL CREDITS REQUIRED: 133**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Environment Health)	OTHER REQUIREMENTS	
42 credits	EQUIVALENT	63 credits	28 credits	
Communication:		HSEH 232 (3)	BIOL 111 (1)	
ENG 131 (3) **	ENGL 1301	HSEH 233 (4)	BIOL 112 (1)	
ENG 132 (3)	ENGL 1302	HSEH 234 (3)	BIOL 131 (3)	
Mathematics:		HSEH 235 (3)	BIOL 132 (3)	
MATH 133 (3)	MATH 1314	HSEH 334 (3)		
Life and physical sciences:		HSEH 337 (4)		
CHEM 131 (3)	CHEM 1311	HSEH 338 (3)	CHEM 211(1)	
CHEM 132 (3)	CHEM 1312	HSEH 339 (3)	CHEM 231 (3)	
Language, philosophy, and culture:		HSEH 344 (4)	HSCR 150 (3)	
ENG 2xx (3) ***		HSEH 425 (3)	HSCR 260 (3)	
Creative arts:		HSEH 431 (3)	HSCR 360 (3)	
Visual & Performing	Arts (3)****	HSEH 432 (3)	PHYS 101 or HYS 237	/lab (4)
American history:		HSEH 433 (3)		
HIST 231 (3)	HIST 1301	HSEH 434 (3)		
HIST 232 (3)	HIST 1302	HSEH 435 (3)		
Government/political science:		HSEH 442 (3)		
POLS 235 (3)	GOVT 2305	HSEH 450 (3)		
POLS 236 (3)	GOVT 2306	HSEH 451 (3)		
Social and behavioral sciences:		HSEH 460 (6)		
Social & Behavioral	Sciences (3)*****		CHEM 111 (1)	
Institutional Options:			CHEM 112 (1)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		FS 102 Freshman Seminar	
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

**BACHELOR OF SCIENCE DEGREE IN
ENVIRONMENTAL HEALTH
DEGREE PLAN - TOTAL CREDITS: 133**

First Year	FIRST SEMESTER		CH	SECOND SEMESTER		CH
	CHEM 111 General Chemistry I Lab		1	CHEM 132 General Chemistry II Lec		3
	CHEM 131 General Chemistry I Lec		3	CHEM 112 General Chemistry II Lab		1
	MATH 133 College Algebra		3	BIOL 132 Biological Science II Lec		3
	ENG 131 Freshman English I		3	BIOL 112 Biological Science II Lab		1
	BIOL 131 Biological Science I Lec		3	ENG 132 Freshman English II		3
	BIOL 111 Biological Science I Lab		1	CS 116 Computer Introduction		3
	Visual & Performing Arts *		3	SOC 157 Sociology/PSY 131 Gen Psychology		3
	FS 102 Freshman Seminar		1			
		18 hrs			17 hrs	
Second Year	THIRD SEMESTER		CH	FOURTH SEMESTER		CH
	CHEM 211 Organic Chemistry I Lab		1	POLS 236 American Political Systems II		3
	CHEM 231 Organic Chemistry I Lec		3	SC 233 Speech Communication		3
	POLS 235 American Political Systems I		3	HIST 232 Social & Political History of the United States to 1877		3
	HIST 231 Social & Political History of the United States to 1877		3	HSCR 150 Concepts of Health		3
	ENG 230-244 English Literature		3	HSCR 260 Biomedical Ethics		3
	PHYS 101 Prin of Phys Sci <u>or</u> PHYS 237 College Phys and lab 213		4			
		17 hrs			15hrs	
Third Year	FIFTH SEMESTER		CH	SIXTH SEMESTER		CH
	HSEH 232 Introduction to Environmental Health		3	HSEH 337 Environmental Microbiology		4
	HSEH 233 Epidemiology & Biostatistics		4	HSEH 338 Water Pollution and Control		3
				HSEH 234 Health Physics		3
	HSEH 235 Human Ecology		3	HSEH 425 Insect and Vector Control		3
	HSEH 344 Environmental Chemistry		4	HSEH 433 Institutional Health & Safety		3
HSCR 360 Principles of Disease		3				
		17 hrs			16 hrs	
	SUMMER ONE		CH	SUMMER TWO		CH
	HSEH 460 Environmental Internship		3	HSEH 460 Environmental Internship		3
		3hrs			3hrs	
Fourth Year	SEVENTH SEMESTER		CH	EIGHTH SEMESTER		CH
	HSEH 334 Public Health Organization and Administration		3	HSEH 431 Solid Waste Management		3
	HSEH 339 Air Pollution and Control		3	HSEH 432 Hazardous Waste Management		3
	HSEH 442 Occupational Safety and Health		3	HSEH 435 Environmental Health Problems		3
	HSEH 450 Environmental Toxicology HSEH 434 Sewage Treatment and Disposal		3 3	HSEH 451 Environmental Impact Assessment		3
		15 hrs			12 hrs	

* Visual and Performing Arts: THEA 130, 231, MUSI 131, 239, ART 131, 132

** Internship Practicum is offered in the regular semester as well as for students concurrently registered for structured classes. Please see separate internship package in details

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN HEALTH ADMINISTRATION
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Health Administration)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	39 credits	43 credits
Communication:		HSHA 211 (3)	HSCR 150 (3)
ENG 131 (3) **	ENGL 1301	HSHA 262 (3)	HSCR 260 (3)
ENG 132 (3)	ENGL 1302	HSHA312 (3)	HSCR 300 (1)
Mathematics:		HSHA313 (3)	HSCR 360 (3)
MATH 133 (3)	MATH 1314	HSHA 314 (3)	HSCR 361 (3)
Life and physical sciences:		HSHA 361 (3)	MATH 134 (3)*****+
CHEM 131 (3)	CHEM 1311	HSHA 363 (3)	PA 271 (3)
CHEM 132 (3)	CHEM 1312	HSHA411 (6)***	PA 301 (3)
Language, philosophy, and culture:		HSHA412 (3)	PA 302 (3)*****+
ENG 2xx (3) ***		HSHA 413 (3)	PA 311 (3)
Creative arts:		HSHA 414 (3)	PA 312 (3)
Visual & Performing	Arts (3)****	HSHA 451 (3)	PA 313 (3)
American history:			PA 321 (3)
HIST 231 (3)	HIST 1301		
HIST 232 (3)	HIST 1302		Free Electives (6)
Government/political science:			
POLS 235 (3)	GOVT 2305		
POLS 236 (3)	GOVT 2306		
Social and behavioral sciences:			
Social & Behavioral	Sciences (3)*****		
Institutional Options:			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 116 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

***+ Students may choose sequential courses in Biology or Chemistry to complete the 6

credit hour natural science requirement. They may not mix the sequence for for natural science credit. For example, Chemistry 131 may not be taken as a sequential precursor for Biology 132 for natural science completion credit.

****+May be substituted with 3 SCH Visual /Performing Arts.

*****+May be substituted with 3 SCH Social /Behavioral Sciences.

*****+May be substituted for any math above MATH 134.

*****+May be substituted for MATH 231 or PSY 234.

**BACHELOR OF SCIENCE DEGREE IN
HEALTH ADMINISTRATION
DEGREE PLAN - TOTAL CREDITS: 124**

First Year	FIRST SEMESTER	CH	SECOND SEMESTER	CH
	CHEM 111 General Chemistry Lab or BIOL 111 Biology Lab	1	CHEM 112 General Chemistry Lab or BIOL 112 Biology Lab	1
	CHEM 131 General Chemistry Lec or BIOL 131 Biology Lec	3	CHEM 132 General Chemistry Lec or BIOL 132 Biology Lec	3
	MATH 133 College Algebra	3	CS 116 Introduction to Computer	3
	ENG 131 Freshman English I	3	MATH 134 Plane Trigonometry	3
	HSCR 150 Concepts of Health	3	ENG 132 Freshman English II	3
	PSY 131 Psychology	3	HIST 231 Social & Political History of the United States to 1877	3
	FS 102 Freshman Seminar	1		
	17 hrs		16 hrs	

Second Year	THIRD SEMESTER	CH	FOURTH SEMESTER	CH
	HSOA 211 Health Information Systems	3	HSCR 260 Biomedical Ethics	3
	ENG 230 or 244 Level English Literature	3	HSCR 300 Health Science Seminar	1
	POLS 235 American Political Systems I	3	HSOA 262 Public Policy & Health Care	3
	ART 131 or 132 Drawings & Composition	3	PA 271 Introduction to Public Administration	3
	HIST 232 Social & Political History of the United States since 1877	3	SC 233 or 135 Communication Skills for Health Professionals or Business and Professional Communication	3
			POLS 236 American Political Systems II	3
	15 hrs		16 hrs	

Third Year	FIFTH SEMESTER	CH	SIXTH SEMESTER	CH
	HSCR 360 Principles of Disease	3	HSCR 361 Research for Health Professionals	3
	HSOA 312 Health administration In School Systems	3	HSOA 314 Finance and Economics for Health Care	3
	HSOA 313 Health Care of the Poor	3	HSOA 363 Ambulatory Health Care	3
	HSOA 361 Long Term Care	3	PA 302 Quantitative Methods in PA	3
	PA 301 Research Methods in PA	3	PA 312 Public Budgeting	3
	PA 311 Introduction to Public Sector Planning	3	PA 313 Organization Behavior Management	3
	18 hrs		18 hrs	

Fourth Year	SEVENTH SEMESTER	CH	EIGHTH SEMESTER	CH
	HSOA 412 Legal, Ethical and Biomedical Aspects of Health Care	3	HSOA 411 Health Administration Internship	6
	HSOA 413 Seminars in Comm. Health	3	Free Elective	3
	HSOA 414 Seminar in Issues in HC	3		
	HSOA 451 Health Care of the Aged	3		
	PA 321 Personnel Administration	3		
	Free Elective	3		
	18 hrs		9 hrs	

Public Affairs Minor: Enroll in PA 400 or PA 410 (can be taken as an elective)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN HEALTH INFORMATION MANAGEMENT
TOTAL CREDITS REQUIRED: 134**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Health Information Manage- ment)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	45 credits	47 credits
Communication:		HSHI362 (3)	BIOL 111 (1) ¹
ENG 131 (3) **	ENGL 1301	HSHI363 (3)	BIOL 112 (1) ¹
ENG 132 (3)	ENGL 1302	HSHI 363L (2)	BIOL 131 (3) ²
Mathematics:		HSHI 364 (3)	BIOL 132 (3) ²
MATH 133 (3)	MATH 1314	HSHI 364L (2)	BIOL 246 (4)
Life and physical sciences:		HSHI 365 (2)	HSCR 150 (3)
CHEM 131 (3)	CHEM 1311	HSHI 366 (2)	HSCR 260 (3)
CHEM 132 (3)	CHEM 1312	HSHI373 (2)	HSCR 300 (1)
Language, philosophy, and culture:		HSHI374 (2)	HSCR 360 (3)
ENG 2xx (3) ***		HSHI 401 (1)	HSCR 361 (3)
Creative arts:		HSHI 402 (1)	MATH 138 (3)
Visual & Performing	Arts (3)****	HSHI 473 (3)	MGMT 300 (3)
American history:		HSHI 474 (3)	MGMT 301 (3)
HIST 231 (3)	HIST 1301	HSHI 475 (3)	MGSC 239 (3)
HIST 232 (3)	HIST 1302	HSHI 476 (4)	Free Electives (9)
Government/political science:		HSHI 477 (4)	FS 102 (1)+++
POLS 235 (3)	GOVT 2305	HSHI 478 (2)	
POLS 236 (3)	GOVT 2306	HSHI 479 (3)	
Social and behavioral sciences:			
Social & Behavioral	Sciences (3)*****		
Institutional Options:			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 116 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

¹May together be substituted with CHEM 131 and 111 or with PHYS 237 and 213.

²May together be substituted with CHEM 132 and 112 or with PHYS 238 and 214.

**BACHELOR OF SCIENCE DEGREE IN
HEALTH INFORMATION MANAGEMENT
DEGREE PLAN - TOTAL CREDITS: 134**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BIOL 131/111Biology Lecture/Lab	4	BIOL 132/112 Biology Lecture/Lab
ENG 131 Freshman English		3	ENG 132 Freshman English	3
MATH 133 College Algebra		3	MATH 138 Math for Bus & Econ Analysis II	3
HIST 231 Social and Political History		3	CS 116 Introduction to Computers	3
Performing Arts 130 Music, Theatre, Art		3	PSY 131 General Psychology	3
HSCR 150 Concepts of Health		3	HIST 232 Social and Political History	3
FS 102 Freshman Seminar		1		
		20 hrs		19 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	BIOL 135 Human Anatomy and Physiology	4	BIOL 136 Human Anatomy and Physiology II
HSCR 260 Biomedical Ethics		3	POLS 236 American Political Systems II	3
ENG 230-244 English Literature		3	MGSC 239 Management Science Statistics	3
SPEECH 233 Speech for Health Professionals		3	BIOL 246 Microbiology	4
POLS 235 American Political Systems I		3	HSCR 300 Health Science Seminar	1
		16hrs		15hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	HSCR 360 Principles of Disease	3	MGMT 301 Personnel and Manpower
MGMT 300 Business Organization		3	HSCR 361 Research for Health Professionals	3
HSHI 362 Medical Terminology		3	HSHI 364 Management of Health Data I	3
HSHI 363 Basic Foundations I Lecture		3	HSHI 364L Management of Health Data Lab	2
HSHI 363L Basic Foundations I Lab		2	HSHI 365 Directed Practice I	2
HSHI 373 Basic Foundations II		2	HSHI 366 Legal Aspects	2
			Elective	3
	16hrs		18hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	HSHI 374 Management Health Data II	2	HSHI 402 Comprehensive HIM
HSHI 401 In-Service Training for HIM		1	HSHI 476 Preceptorship	4
HSHI 473 Quality Assurance Management		3	HSHI 477 Management of Info. Systems	4
HSHI 474 Computerized Health Info. System		3	HSHI 478 Problems in Medical records	2
HSHI 475 Directed Practice II		3	HSHI 479 Health Info. Personnel Mgmt.	3
Elective		3	Elective	3
	15hrs		17hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN CLINICAL LABORATORY SCIENCE
TOTAL CREDITS REQUIRED: 137**

Accredited by the National Accrediting Agency for Clinical Laboratory Sciences

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Clinical Laboratory Sci- ence)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	60 credits	35 credits
Communication:		CLSC252 (2)	BIOL 131 (3)
ENG 131 (3) **	ENGL 1301	CLSC 252L (1)	BIOL 132 (3)
ENG 132 (3)	ENGL 1302	CLSC 304 (1)	BIOL 245 (4) <u>or</u> BIOL 344 <u>or</u>
Mathematics:		CLSC 305 (1)	BIOL 135 and 136 together
MATH 133 (3)	MATH 1314	CLSC 306 (1) spr. & (1) fall	BIOL 347 (4) <u>or</u> BIOL 246
Life and physical sciences:		CLSC 352 (3)	CHEM 211 (1)
CHEM 131 (3)	CHEM 1311	CLSC 352L (1)	CHEM 231 (3)
CHEM 132 (3)	CHEM 1312	CLSC 353 (3)	CHEM 212 (1) <u>or</u> CHEM 445 L
Language, philosophy, and culture:		CLSC 353L (1)	CHEM 232 (3) <u>or</u> CHEM 445
ENG 2xx (3) ***		CLSC 354 (2)	HSCR 150 (3)
Creative arts:		CLSC 354L (1)	HSCR 260 (3)
Visual & Performing	Arts (3)****+	CLSC 355 (2)	HSCR 300 (1)
American history:		CLSC 355L (1)	HSCR 360 (3)
HIST 231 (3)	HIST 1301	CLSC 356 (3)	CHEM 111 (1)
HIST 232 (3)	HIST 1302	CLSC 356L (1)	CHEM 112 (1)
Government/political science:		CLSC 357 (3)	FS 102 (1)+++
POLS 235 (3)	GOVT 2305	CLSC 358 (2)	
POLS 236 (3)	GOVT 2306	CLSC 359 (3)	
Social and behavioral sciences:		CLSC 362 (2)	
Social & Behavioral	Sciences (3)*****	CLSC 362L (1)	
Institutional Options:		CLSC 364 (2)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	CLSC 364L (1) CLSC 365 (2)	
CS 116 (3)	COSC 1301	CLSC 365L (1)	
		CLSC 369 (2)	
		CLSC 466 (4)	
		CLSC 467 (4)	
		CLSC 468 (4)	
		CLSC 469 (4)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

+ Upon approval of the Program Director, student may take any fine arts or equivalent to satisfy this requirement.

**BACHELOR OF SCIENCE DEGREE IN
CLINICAL LABORATORY SCIENCE
DEGREE PLAN - TOTAL CREDITS: 137**

ACCREDITED BY THE NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES

First Year	FIRST SEMESTER	CH	SECOND SEMESTER	CH
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	SC 135 Or 136 Speech Communication	3
	ENG 131 Freshman English I	3	ENG 132 Freshmen English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	HSCR 150 Concepts of Health	3	PSY 131 Psychology **	3
	FS 102 The University Experience	1	CS 116 Computer Science	3
	17 hrs		19 hrs	
Second Year	THIRD SEMESTER	CH	FOURTH SEMESTER	CH
	CHEM 211 Organic Chemistry I Lab	1	CHEM 232/212 Organic Chemistry II or CHEM 445/445L Biochemistry	4
	CHEM 231 Organic Chemistry I Lec	3	ENG 200 Level English Literature	3
	BIOL 245 Human Anatomy & Physiology	4	BIOL 347 Microbiology ##	4
	POLS 235 American Political Systems I	3	POLS 236 American Political System II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Visual & Performing Arts *	3		
	17 hrs		17 hrs	
Summer	Summer	CH	Summer	CH
	HSCR 360 Principles of Disease	3		
	HSCR 260 Biomedical Ethics	3		
	6hrs			
Third Year	FIFTH SEMESTER	CH	SIXTH SEMESTER	CH
	CLSC 252 Serology Practice & Procedures	2	CLSC 353 Clinical Microscopy & Quality Control	3
	CLSC 252 L Serology Practice & Procedures Lab	1	CLSC 353 L Clinical Microscopy & Quality Control	1
	CLSC 304 Medical Tech Applications I	1	CLSC 305 Medical Tech Applications II	1
	CLSC 352 Hematology I	3	CLSC 362 Hematology II	2
	CLSC 352L Hematology I Lab	1	CLSC 362 L Hematology II Lab	1
	CLSC 354 Immunohematology I	2	CLSC 364 Immunohematology II	2
	CLSC 354L Immunohematology I Lab	1	CLSC 364L Immunohematology II Lab	1
	CLSC 355 Medical Chemistry I	2	CLSC 365 Medical Chemistry II	2
	CLSC 355L Medical Chemistry I Lab	1	CLSC 365L Medical Chemistry II Lab	1
CLSC 359 Microbial Human Disorders I Lec/Lab	3	CLSC 369 Microbial Human Disorders II Lec/Lab	2	
	18 hrs		15 hrs	
Summer	Summer	CH	Summer	CH
	CLSC 356 Hemostatic Processes	3		
	CLSC 356L Hemostatic Processes Lab	1		
	4 hrs			

Fourth Year	SEVENTH SEMESTER	CH	EIGHTH SEMESTER	CH
	CLSC 306-(MGMT) Health Sciences Seminar	1	CLSC 306- (Research) Comprehensive Medical technology	1
	CLSC 357 Clinical Practicum I	3	CLSC 358 Clinical Immunology	2
	CLSC 466 Clinical Hematology	4	CLSC 468 Clinical Microbiology	4
	CLSC 467 Clinical Blood Bank	4	CLSC 469 Clinical Chemistry	4
			HSCR 300 Health Science Seminar	1
	12 hrs		12 hrs	

* Either one of the following: THEA 130, 231, MUSI 131, 239, ART 131, 132

** Social and behavioral Sciences requirements maybe fulfilled by either of the following: Soc 157, Soc 158, Soc 231, ECON 231, ECON 232

Internship (last Year) is restricted to students who have satisfied **ALL** program requirements and who have been approved for assignment

LISTED COURSES

CHEM 232/212 L

BIOL 245

BIOL 347

SUBSTITUTED COURSE

CHEM 445

BIOL 135 &136 or BIOL 344

BIOL 246

Students should seek advisement prior to registering for any course intended to be used as credit toward the Clinical Laboratory Science degree.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN RESPIRATORY THERAPY
TOTAL CREDITS REQUIRED: 148**

Accredited by (CoARC) Committee on Accreditation for Respiratory Care

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Respiratory Therapy)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	66 credits	40 credits
Communication:		HSRT 220 (2)	BIOL 131 (3)
ENG 131 (3) **	ENGL 1301	HSRT 222 (2)	BIOL 132 (3)
ENG 132 (3)	ENGL 1302	HSRT 230 (3)	BIOL 245 (4)
Mathematics:		HSRT 231 (3)	BIOL 246 (4)
MATH 133 (3)	MATH 1314	HSRT 232 (3)	BIOL 460 (3)
Life and physical sciences:		HSRT 307 (1)	HSCR 150 (3)
CHEM 131 (3)	CHEM 1311	HSRT 308 (1)	HSCR 260 (3)
CHEM 132 (3)	CHEM 1312	HSRT 320 (2)	HSCR 300 (1)
Language, philosophy, and culture:		HSRT 321 (2)	HSCR 360 (3)
ENG 2xx (3) ***		HSRT 322 (2)	MATH 136 (3)
Creative arts:		HSRT 323 (2)	PHAR 212 (1)
Visual & Performing	Arts (3)****+	HSRT 325 (2)	PHYS 237 (3)
American history:		HSRT 330 (3)	PHYS 238 (3)
HIST 231 (3)	HIST 1301	HSRT 331 (3)	CHEM 111 (1)
HIST 232 (3)	HIST 1302	HSRT 332 (3)	CHEM 112 (1)
Government/political science:		HSRT 333 (3)	FS 102 (1)+++
POLS 235 (3)	GOVT 2305	HSRT 334 (3)	
POLS 236 (3)	GOVT 2306	HSRT 340 (3)	
Social and behavioral sciences:		HSRT 420 (2)	
Social & Behavioral	Sciences (3)*****	HSRT 435 (3)	
Institutional Options:		HSRT 440 (4)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	HSRT 441 (4) HSRT 453 (5)	
CS 116 (3)	COSC 1301	HSRT 454 (5)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

**BACHELOR OF SCIENCE DEGREE IN RESPIRATORY THERAPY
DEGREE PLAN - TOTAL CREDITS: 148
ACCREDITED BY (COARC) COMMITTEE ON ACCREDITATION FOR RESPIRATORY CARE**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 111 General Chemistry Lab I	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry Lec. I	3	CHEM 132 General Chemistry II Lec.	3
	BIOL 131 Biological Science Lecture	3	BIOL 132 Biological Science II Lec.	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 136 Pre-Calculus	3
	Visual and Performing Arts** <i>see options below</i>	3	PHAR 212	1
	PSY 131 Psychology	3	HSCR 260	3
			FS 102 Freshman Seminar	1
Total semester credits	19	Total semester credits	18	

APPLICATION PERIOD (Sept. -Nov)

PROFESSIONAL PHASE

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG (Any 200 level)	3	HSRT 220	2
	POLS 231 American Political Systems I	3	HSRT 230	3
	HIST 231 Social & Political History of the United States to 1877	3	HSRT 231	3
	PHYS 237***	3	HIST 232 Social & Political History of the United States since 1877	3
	BIOL 245 Human Anatomy & Physiology	4	POLS 232 American Political Systems II	3
			PHYS 238***	3
Total semester credits	16	Total semester credits	17	

Second Year Summer I	SEVENTH SEMESTER (Summer I)	
	HSRT 222 Developmental Practicum in Clinical Development	2
	HSRT 232 Intermediate Clinical Applications	3
	Total semester credits	5 hrs

Second Year Summer II	SEVENTH SEMESTER (Summer II)	
	HSCR 150 Concepts of Health	3
	CS 116 Computer Science	3
	Total semester credits	6 hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HSRT 320	2	BIOL 246 ***	4
	HSRT 321	2	HSCR 300	1
	HSRT 325	2	HSRT 322	2
	HSRT 330	3	HSRT 323	2
	HSRT 331	3	HSRT 332	3
	HSRT 334	3	HSRT 333	3
	HSRT 340	3	HSCR 360	3
	Total semester credits	18 hrs	Total semester credits	18 hrs

Third Year Summer I	SEVENTH SEMESTER (Summer I)	
	HSRT 454 Critical Care and Internship	5
	HSRT 307	1
	Total semester credits	6 hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	SC 233 Speech Communications	3	435 HSRT	3
	308 HSRT	1	441 HSRT	4
	420 HSRT**	2	453 HSRT	5
	440 HSRT	4		
	MATH 231***	3		
	Total semester credits	13	Total semester credits	12

TOTAL CURRICULUM CREDIT HOURS 148

* Visual and Performing Arts: (Select one) THC 130, 231, MUSI 131, 239, ART 131, 132

** Course taken as advised

Course substitutions are permitted only as indicated in the University bulletin or as below.

*** Listed Course	Substituted
Physics 237, 238 Sequence	Physics 235, 236 Sequence
Microbiology 246	Microbiology 347
	Math 473 or 474

Applications for admittance to the program professional phase are processed and finalized each fall. Students are admitted into the program professional phase each spring semester. The application process is competitive and based on (1) cumulative G.P.A. of 2.5 or better and (2) quantitative and qualitative completion of curriculum prerequisite courses.

DEPARTMENT OF PHARMACEUTICAL SCIENCES

The Department of Pharmaceutical Sciences, along with the Department of Pharmacy Practice, offers courses leading to **the Doctor of Pharmacy Degree**. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring a minimum of two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include the following disciplines: biochemistry in human diseases, pharmaceutics, pharmacokinetics, and integrated courses including pharmaceutical/medicinal chemistry, pathophysiology, and pharmacology.

The Department of Pharmaceutical Sciences also offers courses leading to the Doctor of Philosophy (Ph.D.) degree and a contingent or default Master of Science (M.S.) degree in Pharmaceutical Sciences. Students who are interested in pursuing a graduate degree in Pharmaceutical Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website (www.tsu.edu).

Members of the faculty in the Department of Pharmaceutical Sciences are housed in Gray Hall with the Department Office located in Gray Hall Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Since the Department offers courses leading to the entry-level Pharm.D. with the Department of Pharmacy Practice (described in the next section), interested students should refer to the end of the next section for a summary of requirements for the entry-level Pharm.D. degree and the sequence in which required courses should be taken. Courses offered through the Department of Pharmaceutical Sciences are described below.

Students should refer to admission policies, formative, summative, comprehensive and other examination and important information regarding the completion of the entry-level Pharm.D. under the College of Pharmacy and Health Sciences *Overview* section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Akpaffiong, Macaulay J. Professor Pharmacology B.S., Texas Southern University M.Sc., Ph.D., University of Bath Pharm.D., University of Southern California</p>	<p>Liang, Dong Professor Pharmaceutics B.S., M.S., Zhejiang Medical University Ph.D., University of Houston</p>
<p>Bell, Edward C. Associate Professor Pharmaceutics B.S., Tougaloo College Ph.D., Auburn University</p>	<p>Mehta, Chander S. Professor Pharmacology B.S., University of Bombay B.Pharm., Ph.D., Washington State University</p>
<p>Chelliah, Selvam Assistant Professor Pharmaceutical Chemistry B. Pharm., The Tamilnadu MGR Medical University M.S., Ph.D., National Institute of Pharmaceutical Education and Research</p>	<p>Milton, Shirlette Glover Associate Professor Pharmaceutical Chemistry B.S., Texas Southern University M.S., University of Texas at Austin Ph.D., University of Texas Health Science Center at Houston</p>
<p>Dupre, Brian Visiting Assistant Professor B.S., University of Texas at Austin Ph.D., University of Texas at Austin</p>	<p>Olaleye, Omonike Associate Professor Pharmacology B.S., University of St. Thomas Ph.D., Johns Hopkins University</p>
<p>Enigbokan, Mofolorunso A. Associate Professor Pharmacology B.S., M.S., Texas Southern University Ph.D., Howard University</p>	<p>Ohia, Sunny E. Professor Pharmacology B.S., M.S., University of Ibadan Ph.D., University of Glasgow</p>
<p>Eugere, Edward J. Professor Pharmacology B.S., Xavier University M.S., Wayne State University Ph.D., University of Connecticut</p>	<p>Oyekan, Adebayo O. Professor Pharmacology D.V.M., University of Nigeria Ph.D., University of London</p>
<p>Felder, Tyrone B. Associate Professor Pharmaceutics B.S., Florida A & M University Ph.D., University of Kentucky</p>	<p>Ranganna, Kasturi Associate Professor Pharmaceutical Chemistry B.S., M.S., Bangalore University Ph.D., Indian Institute of Sciences</p>
<p>Harris, Michael R. Visiting Assistant Professor B.S., Texas Southern University Ph.D., University of Texas at Austin</p>	<p>Shivachar, Amruthesh Associate Professor Pharmaceutical Chemistry B.Sc., Sarada Vilas Science College M.Sc., Ph.D., University of Mysore</p>
<p>Hayes, Barbara E. Professor Pharmacology B.S., Texas Southern University M.S., Purdue University Ph.D., University of Houston</p>	<p>Wells, Patrick Dean Emeritus B.S., Texas Southern University M.S., Ph.D., University of Nebraska at Lincoln</p>

<p>Hickman, Eugene, Sr. Professor (Retired) Pharmaceutics B.S., Texas Southern University M.S., University of Texas at Austin Ph.D., University of Iowa</p>	<p>Xie, Huan Associate Professor Pharmaceutics B.S., Fudan University Ph.D., North Carolina State University</p>
<p>Leonard, Golda A. Professor Pharmacology B.S., Texas Woman's University Ph.D., University of Michigan</p>	

PHARMACEUTICAL SCIENCES COURSES

- PHAR 111 Pharmacy Orientation (1)**
Survey of the pharmacy profession with emphasis on history, ethics, careers, and professional organizations. One hour of lecture per week.
- PHAR 112 Pharmacy Orientation (1)**
Survey of the pharmacy profession with emphasis on history, ethics, careers, and professional organizations. One hour of lecture per week.
- PHAR 211 Pharmacy Applications (1)**
Study of the fundamental principles underlying the science and practice of pharmacy in the United States. One hour of lecture per week. Prerequisites: PHAR 111, PHAR 112 and successful completion of freshman biology and chemistry courses.
- PHAR 212 Medical Terminology (1)**
Programmed course of study building medical words from Greek and Latin prefixes, suffixes, word roots, and combining forms. Professional students are required to complete this course. One hour of lecture per week.
- PHAR 438 Principles of Drug Action I (3)**
An interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the nervous, cardiovascular, and genitourinary systems. Core concepts in pharmacology, mechanism of drug action in various categories, and the chemical basis of pharmacology will be presented. Prerequisite: First professional year standing in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 418.
- PHAR 418 Principles of Drug Action I - Laboratory/Recitation (1)**
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 438. Prerequisite: First professional year standing in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 438.
- PHAR 439 Principles of Drug Action II (3)**
Continuation of PHAR 438. Interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the immune, respiratory, and gastrointestinal systems. Mechanism of drug action in various categories and the chemical basis of pharmacology will be presented. Prerequisites: PHAR 438 and PHAR 418. Co-requisite: Successful completion of or concurrent enrollment in PHAR 419.
- PHAR 419 Principles of Drug Action II - Laboratory/Recitation (1)**
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 439. Prerequisites: PHAR 438 and PHAR 418. Co-requisite: Successful completion of or concurrent enrollment in PHAR 439.
- PHAR 433 Pharmaceutics I – Pharmacy Calculations (3)**
Problems, calculations, and processes involving weights and measures, specific gravity, percentage strength, solutions, and allegation related to the practice of pharmacy. Prerequisite: First professional year standing in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 413.
- PHAR 413 Pharmaceutics I Laboratory (1)**
Dosage form preparation calculations, techniques, and principles used in the extemporaneous compounding of medications, including liquid, solid, semi-solid, and topical preparations. Prerequisite: First professional year standing in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 433.
- PHAR 434 Pharmaceutics II – Dosage Forms (3)**
Physiochemical and biological principles of dosage forms. Principles of drug delivery via dosage forms and dosage form stability and degradation. Prerequisites: PHAR 433 and PHAR 413. Co-requisite: Successful completion of or concurrent enrollment in PHAR 414.

DEPARTMENT OF PHARMACY PRACTICE

The Department of Pharmacy Practice, along with the Department of Pharmaceutical Sciences, offers courses leading to the Doctor of Pharmacy degree. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include pharmacotherapy and disease processes, community and hospital/institutional pharmacy practice and other professional pharmacy practice experiences in drug information and retrieval, pharmacy administration and jurisprudence and clinical research.

Members of the Department of Pharmacy Practice are housed in Gray Hall and at the Texas Medical Center campus. The Department Office is located in Gray Hall, Room 241. The Department supports the primary mission of the College to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Courses offered through this department are described below. In addition, a summary of the requirements for the entry-level Pharm.D. degree is provided along with an indication of the sequence in which discipline-specific courses and their prerequisites and co-requisites should be taken.

Students should refer to admission policies, formative, summative, comprehensive and other examination and important information, regarding the completion of the Doctor of Pharmacy degree under the College of Pharmacy and Health Sciences introductory section of this publication.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abobo, Cyril V. Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>	<p>Morris Moultry, Aisha Associate Professor Pharmacy Practice M.S., Ohio State University Pharm.D., Texas Southern University</p>
<p>Cheung, Lily Kung Assistant Professor Pharmacy Practice Pharm. D., Texas Southern University</p>	<p>Ndefo, Uche Anadu Associate Professor Pharmacy Practice Pharm.D., University of South Carolina</p>
<p>Chui-Poon, Ivy Associate Professor Pharmacy Practice Pharm.D., University of Houston</p>	<p>Okafor, Kingsley C. Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>
<p>Davis Portia Assistant Professor Pharmacy Practice Pharm.D, Texas Southern University</p>	<p>Osemene, Nora I. Professor Pharmacy Practice BA., University of Iowa B.S., M.S., University of Houston Pharm.D., Texas Southern University</p>
<p>Maxwell Eaton, Angie Associate Professor Pharmacy Practice B.S., Southwest Texas State University Pharm.D., Texas Southern University</p>	<p>Simpson, Shalondria Assistant Professor Pharmacy Practice B.A. University of North Texas Pharm.D. Texas Southern University</p>
<p>Estes, Flora Associate Professor Pharmacy Practice Pharm. D., Texas Southern University</p>	<p>Swan Joshua Assistant Professor Pharmacy Practice Pharm.D, University of Mississippi</p>
<p>Hunter Rodney Assistant Professor Pharmacy Practice Pharm.D, Texas Southern University</p>	<p>Zagaar, Mundar Assistant Professor Pharmacy Practice Pharm.D., Ph.D., University of Houston</p>
<p>Stemley, Edward C., Jr. Associate Professor Pharmacy Practice Pharm.D., Xavier University M.S., Ohio State University</p>	<p>Jones, Webb Visiting Assistant Professor Pharmacy Practice B.S., Florida A and M University J.D., Texas Southern University M.P.H., University of Texas School of Public Health</p>
<p>Mathur, Sondip K. Associate Professor Pharmacy Practice B.A., Delhi University M.A., Cleveland State University Ph. D., Texas A&M University</p>	

PHARMACY PRACTICE COURSES

- PHAR 411 Pharmacy Practice I Lab (1)**
Application of communication concepts presented in Phar 421. Three hours of laboratory per week. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 421 Pharmacy Practice I- Professional Communications/Counseling (2)**
Development of pharmacist-provided patient care skills with focus on communicating and collaborating with prescribers, patients, caregivers and other involved healthcare providers to engender a team approach to patient care. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 422 Pharmacy Practice II: Dispensing of Medication (2)**
Principles of pharmacist-provided patient care skills with focus on the proper dispensing of medications prescribed (or recommended) as part of the patient's care plan. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 412 Pharmacy Practice II: Laboratory (1)**
Laboratory course with emphasis on the preparation and dispensing of prescriptions and the development and maintenance of patient medication profiles. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 415 Introduction to Public Health (1)**
Promote health improvement, wellness and disease prevention in cooperation with patients, communities, at risk populations and other healthcare professionals. One hour of lecture per week. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 416 Introductory Pharmacy Practice Experiences I – Public Health / Service Learning (1)**
Experiential course in which students will be exposed to service learning by participation in activities that develop personal and professional communication skills; improve sensitivity to populations of diverse backgrounds; increase awareness of role of other healthcare providers; and increase awareness of patient care. Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 417 Introductory Pharmacy Practice Experiences II - Shadowing, Community (1)**
Continued development of skills acquired in PHAR 416. Students will be exposed to and participate in supervised pharmacy practice activities allowing direct interaction with diverse patient populations encountered in community pharmacy. Prerequisites: First professional year standing in the professional pharmacy program and completion of PHAR 416.
- PADM 428 Spanish for Pharmacy Professionals (2)**
Introductory course to enable students to effectively communicate in the Spanish language as it applies to the practice of pharmacy. Prerequisites: Must be enrolled in the professional pharmacy program and obtain consent of the instructor.
- PHAR 429 Emergency Preparedness for Pharmacy Professionals (2)**
Students will be trained to provide pharmaceutical care and services in local and regional emergency situations. Prerequisites: Must be enrolled in the professional pharmacy program and obtain consent of the instructor.
- PADM 430 Ethics in Pharmacy (3)**
Principles of professional behavior and ethical issues related to the development, promotion, sales, prescribing and use of drugs: Prerequisite: First professional year standing in the professional pharmacy program.
- PHAR 431 Biostatistics and Research Design (3)**
Commonly used statistical tests and the basis for their use in health care research and delivery including the evaluation of statistical results. Prerequisite: First professional year standing in the professional pharmacy program or consent of the instructor.

PHAR 510	Pharmacotherapy Skills Laboratory I Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the nervous, cardiovascular and urinary systems. Prerequisites: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.	(1)
PHAR 511	Pharmacy Practice III Lab Application of concepts presented in PHAR 522 to patient care. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(1)
PHAR 512	Patient Assessment Laboratory Application of basic patient assessment techniques, terminology and the modifications caused by common diseases states and drug therapy. Topics include: acquisition of a comprehensive patient history, advanced cardiac life support, development of triage and referral skills, and use of OTC point of care testing devices Prerequisite: Completion of all 400-level courses in the professional pharmacy program.	(3)
PHAR 516	Introductory Pharmacy Practice Experiences III- Community Students will be exposed to and participate in supervised pharmacy practice activities in a variety of contemporary community pharmacy practice settings. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(1)
PHAR 517	Introductory Pharmacy Practice Experiences IV Continued development of skills acquired in PHAR 416. Students will be exposed to and participate in supervised pharmacy practice activities allowing direct interaction with diverse patient populations in a variety of practice settings. Prerequisites: Completion of all 400 level courses in the professional pharmacy program.	(1)
PHAR 522	Pharmacy Practice III- Special Populations Prescription and non-prescription medication alterations specific for special population patients (e.g, pediatric, geriatric, pregnant, sickle cell, cystic fibrosis, and others). Dosage calculations, dosage adjustments and drug monitoring for positive/negative outcomes in special population patients are discussed. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(2)
PADM 531	Pharmacoeconomics and Outcomes Principles and concepts of pharmacoeconomics pertaining to pharmacoeconomics analysis and patient care. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(3)
*PADM 530	Ethics in Pharmacy Practice Students develop skills in moral reasoning necessary to protect the safety, health, and dignity of patients served. Professional responsibilities emphasized. Three hours of lecture per week. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(3)
PHAR 532	Drug Information and Literature Evaluation Principles of evaluation of primary literature and its implications in the provision of evidence- based pharmaceutical care. Prerequisites: Completion of all 400 level courses in the professional pharmacy program.	(3)
*PHAR 536	Patient Assessment and Physical Diagnosis Applications of physical diagnostic examinations in various pathological states for provision of pharmaceutical care. Three hours of lecture per week. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.	(3)
PHAR 542	Pharmacotherapy I - Nervous System Disorders An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the nervous system. Prerequisites: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.	(4)

PHAR 543	Pharmacotherapy II - Cardiovascular and Urinary System Disorders (4) An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the cardiovascular and genitourinary system. Prerequisites: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.
PHAR 601	Special Problems (0-8) Methods in pharmaceutical sciences and clinical research; application of hypothesis formulation, literature evaluation, experimental design, clinical skills, data acquisition/analysis, and formal presentations. Variable number of hours of lecture per week. Students may enroll in up to a total of 8 semester credit hours of Special Problems while in the professional pharmacy program. Prerequisite: Special permission by the Department.
PHAR 610	Pharmacotherapy Skills Lab II (1) Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the immune system, infectious diseases and respiratory system. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.
PHAR 611	Pharmacotherapy Skills Lab III (1) Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the gastrointestinal system disorders, endocrine system, integumentary systems and eye, ear, nose and throat disorders. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
**PHAR 615	Prescription Practice Laboratory (1) Continuation of PHAR 635 with emphasis on appropriate dispensing practices and procedures. Three hours of laboratory per week. Prerequisite: Completion of all 500-level courses. and Co-requisite: Successful completion of or concurrent enrollment in PHAR 635.
PHAR 618	Introductory Pharmacy Practice Experiences V- Health Care Systems (1) Introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.
PHAR 619	Introductory Pharmacy Practice Experiences VI- Health Care Systems (1) Continuation of introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.
**PHAR 630	Pharmacotherapeutics I (3) Series of organized lectures stressing rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.
PADM 630	Pharmacy Practice Management (3) Management principles (planning, organizing, directing and controlling resources) applied to various pharmacy practice settings and patient outcomes. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.
**PHAR 631	Drug Information, Literature, and Research Methods (3) Study of basic statistical analysis, study design, and literature assessment. Emphasis placed on comprehensive evaluation of published studies and development of research protocols. Three hours of lecture per week. Prerequisites: Completion of all 500-level courses in the Professional pharmacy program.
**PHAR 632	Professional Communications/Counseling (3) Interactive course designed to guide pharmacy students in the development of effective counseling and communication skills. Three hours of lecture per week. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.

**PHAR 633	Pharmacotherapeutics II	(3)
	Organized lectures on rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.	
**PHAR 635	Prescription Practice	(3)
	Study of professional, patient-focused services provided by pharmacists including appropriate dispensing procedures. Three hours of lecture per week. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.	
PADM 634	Pharmacy Jurisprudence	(3)
	Legal basis for the practice of pharmacy and pharmacist's responsibilities and limits under the law. Three hours of lecture per week. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.	
PHAR 640	Pharmacotherapy III - Immune System Disorders and Infectious Diseases	(4)
	Practice-based outcomes from pathophysiology, medicinal pharmacology, chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the immune system and infectious diseases. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.	
PHAR 641	Pharmacotherapy IV - Respiratory System Disorders	(4)
	Practice-based outcomes from pathophysiology, pharmacology medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the respiratory system. Prerequisites: Completion of all 500-level courses in the professional pharmacy program.	
PHAR 642	Pharmacotherapy V- Gastrointestinal System Disorders	(4)
	Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the gastrointestinal system. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.	
PHAR 643	Pharmacotherapy VI- Endocrine System Disorders	(4)
	Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the endocrine system. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.	
PHAR 644	Pharmacotherapy VII- Integumentary System, Eye and Ear Disorders	(4)
	Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the eyes, ears, and integumentary system. Prerequisites: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.	
PHAR 725	Adverse Drug Reaction	(6)
	Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	
PHAR 741	Ambulatory Care Practice	(6)
	Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	
PHAR 742	Applied Pharmacokinetics Practice	(6)
	Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	
PHAR 744	Clinical Toxicology Practice	(6)
	Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	

PHAR 745	Community Pharmacy Practice Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 746	Acute/Emergency Medicine Provision of pharmaceutical care to critically ill patients admitted to an organized health care setting. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 747	Information Systems Management Provision of drug information and consultation services to health care professionals, and patients. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 748	Geriatrics Practice Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 749	Home Health Care Practice Provision of pharmaceutical care to patients receiving home health care. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 751	Hospital Pharmacy Practice Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program or consent of the instructor and passage of P3 summative examination.	(6)
PHAR 752	Immune Pharmacology Practice Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 753	Family Medicine Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and various practice setting services. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 754	Oncology Practice Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 755	Parenteral Nutrition Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 756	Pediatrics/Neonatology Practice Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 757	Pharmacy Administration Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)

PHAR 758	Psychiatry Practice Provision of pharmaceutical care to patients admitted to psychiatry services in institutional and/or ambulatory care practice settings. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 759	Surgery Practice Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 760	Cardiology Structured pharmacy experience in an institutional acute and ambulatory care practice settings; dealing with patients having cardiovascular diseases and disorders. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 761	Consulting Pharmacy Practice Clinical pharmacy health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 762	Managed Care Pharmacy Practice Enhancement of student involvement in the managed care setting including hospitals, community, and the pharmaceutical industry. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 763	Nuclear Pharmacy Practice Clinical pharmacy health care experience with patients undergoing nuclear pharmacy treatment. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 764	Pharmacoeconomics Practice Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 765	Infusion Therapy Provision of patient-centered care to patients receiving infusion therapy. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 766	Clinical Pharmacy Participation in the delivery of patient-centered care services in an ambulatory clinic setting under the supervision of a licensed pharmacist/ preceptor. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 767	Compounding Pharmacy Participation in compounding non-commercially available dosage forms for patients in the community setting. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 768	Nephrology Structured pharmacy experiences in an institutional setting focusing on patients with documented potential renal insufficiency. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 769	Neurology Provision of patient-centered care to patients with clinical presentation and common diseases/disorders of the neurological system and sensory organs. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)

PHAR 770	Pharmacy Community Management Participation in the administrative aspects of community pharmacy practice. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 771	Seminar Enhancement of student presentation skills on topics relevant to pharmacy practice. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 772	Research Research experience in social and administrative sciences or pharmacy practice. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 773	Organ Transplantation Provision of patient-centered care to patients undergoing organ and/or tissue transplantation. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 774	Women's Health Provision of patient-centered care to female patients in an institutional setting, including post partum, labor and delivery. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 775	Government/ Regulatory Agency Structured experience in government/regulatory agencies affecting the practice of pharmacy. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 776	Disease State/ Formulary Management Structured experiences in policy development, formulary management, and disease state management. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 777	Endocrinology Structured pharmacy experience in an institutional setting focusing on patients with documented disorders of the endocrine system. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)
PHAR 778	Pharmacy Benefit Management (PBM) Structured pharmacy experience in the management of pharmacy networks, drug utilization review outcomes management and disease management. Prerequisites: Completion of all P1, P2 and P3 courses in the professional pharmacy program and passage of P3 summative examination.	(6)

Students participating in the experiential training program in pharmacy will be required to engage in a variable rotation schedule of professional practice experience activities in a variety of health care settings: community, retail, hospital, and other pharmaceutical specialties. Students are required to participate in introductory pharmacy practice experiences (IPPE) and complete a specified number of hours as designated by the program. Students participating in advanced pharmacy practice experiences (APPE) are required to complete a minimum of 40 hours per week. The duration of each advanced pharmacy practice experience course is six (6) weeks.

* Courses (500-level) will be phased out through implementation of the new Pharm.D. curriculum.

** Courses (600-level) will be phased out through implementation of the new Pharm.D. curriculum.

**CURRICULUM SUMMARY FOR THE
DOCTOR OF PHARMACY DEGREE
TOTAL CREDITS REQUIRED: 227**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Pharmacy)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	142 credits	43 credits
Communication:		PHAR 421(2), PHAR 411(1)	BIOL 111 (1)
ENG 131 (3) **	ENGL 1301	PHAR 433(3), PHAR 413(1)	BIOL 112 (1)
ENG 132 (3)	ENGL 1302	PHCH 441(4), PHAR 416 (1)	BIOL 131 (3)
Mathematics:		PHAR 431 (3), PHAR 438 (3)	BIOL 132 (3)
MATH 136 (3)	MATH 2312	PHAR 418 (1)	BIOL 245 (4)
Life and physical sciences:		PHAR 422 (2), PHAR 412 (1)	BIOL 347 (4)
CHEM 131 (3)	CHEM 1311	PHAR 434 (3), PHAR 414 (1)	CHEM 211, 231 (4)
CHEM 132 (3)	CHEM 1312	PADM 430 (3), PHAR 417 (1)	CHEM 212, 232 (4)
Language, philosophy, and culture:		PHAR 415 (1), PHAR 439 (3)	MATH 231 (3)
ENG 2xx (3) ***		PHAR 419 (1)	MATH 241 (4)
Creative arts:		PHAR 516 (1), PADM 531 (3)	PHYS 213 (1)
Visual & Performing	Arts (3)****	PHAR 522 (2), PHAR 511 (1)	PHYS 237 (3)
American history:		PHAR 539 (3), PHAR 519 (1)	CHEM 111 (1)
HIST 231 (3)	HIST 1301	PHAR 538 (3), PHAR 518 (1)	CHEM 112 (1)
HIST 232 (3)	HIST 1302	PHAR 512 (1), PHAR 517 (1)	FS 102
Government/political science:		PHAR 532 (3), PHAR 542 (4)	Freshman Seminar
POLS 235 (3)	GOVT 2305	PHAR 543 (4), PHAR 510 (1)	Electives (4): PHAR 212 (1)
POLS 236 (3)	GOVT 2306	PHAR 610 (1)	
Social and behavioral sciences:		PHAR 618 (1), PHAR 640 (4)	PADM 428 (2) ++
Social & Behavioral	Sciences (3)*****	PHAR 641 (4), PADM 630 (3)	PHAR 429 (2) ++
Institutional Options:		PHAR 619 (1), PHAR 642 (4)	HSHA 413 (3) ++
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	PHAR 643 (4), PHAR 644 (4)	HSHA 414 (3) ++
CS 116 (3)	COSC 1301	PHAR 611 (1), PADM 634 (3)	
		Advanced Pharmacy Prac- tice Experiences (48 hrs)	

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** Select from the following courses: THEA 130, MUSI 131, MUSI 239, ART 131, or ART 135 (TCCN: DRAM 1310, MUSI 1301, HUMA 1315, ARTS 1316 or ARTS 1301)

*****Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

+ Transfer students should contact pharmacy admissions office to request approved substitute course(s).

++ Elective courses. All students must complete at least four (4) semester credit hours of electives.

**DOCTOR OF PHARMACY DEGREE
DEGREE PLAN - TOTAL CREDITS: 227**

Freshman Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 111 Biological Science I Laboratory	1	BIOL 112 Biological Science II Laboratory	1
	BIOL 131 Biological Science I, Lecture	3	BIOL 132 Biological Science II, Lecture	3
	CHEM 111 General Chemistry I Laboratory	1	CHEM 112 General Chemistry II Laboratory	1
	CHEM 131 General Chemistry I, Lecture	3	CHEM 132 General Chemistry II, Lecture	3
	CS 116 Computer Science	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	HIST 231 Social and Political History of the United States to 1877	3
	MATH 136 Precalculus Mathematics	3	MATH 241 Calculus and Analytic Geometry I	4
	FS 102 Freshman Seminar	1	PHAR 112 Pharmacy Orientation Pre-pharmacy elective	1
	PHAR 111 Pharmacy Orientation Pre-pharmacy elective	1		
	18-19 hrs		18 -19 hrs	

REQUIRED SUMMER SEMESTER¹

Summer I Semester		Summer II Semester	
HIST 232 Social and Political History of the United States since 1877	3	POLS 235 American Political System I	3
POLS 236 American Political System II	3	Visual & Performing Arts Musi 131 or 239; Art 131 or 135, THEA 130 or 231	3
	6 hrs		6 hrs

Sophomore Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 245 Human Anatomy and Physiology	4	CHEM 212 Organic Chemistry II Laboratory	1
	CHEM 211 Organic Chemistry I Laboratory	1	CHEM 232 Organic Chemistry II, Lecture	3
	CHEM 231 Organic Chemistry I, Lecture	3	ENG 200 Level Literature	3
	PHYS 237 College Physics I	3	SC 233,135, 136	3
	PHYS 213 College Physics I Lab	1	BIOL 347 Microbiology	4
	MATH 231 Elementary Statistics	3	PHAR 212 Medical Terminology	1
	Social and Behavioral Sciences - PSY 131, ECON 231, SOC 157, 158, 221,238	3		
PHAR 211 Pharmacy Applications Pre-pharmacy elective	1			
	18 -19 hrs		15 hours	

Third Year- First Professional Year	Fall Semester		Spring Semester	
	PHAR 421 Pharmacy Practice I Professional Communication	2	PHAR 422 Pharmacy Practice II Dispensing of Medication	2
	PHAR 411 Pharmacy Practice I Lab	1	PHAR 412 Pharmacy Practice II Lab	1
	PHAR 433 Pharmaceutics I Pharmacy Calculations	3	PHAR 434 Pharmaceutics II Dosage Forms	3
	PHAR 413 Pharmaceutics I Lab	1	PHAR 414 Pharmaceutics II Lab	1
	PHCH 441 Biochemistry in Human Disease	4	PADM 430 Ethics in Pharmacy	3
	PHAR 416 Introductory Pharmacy Practice Experiences I	1	PHAR 417 Introductory Pharmacy Practice Experiences II	1
	PHAR 431 Biostatistics and Research Design	3	PHAR 415 Introduction to Public Health	1
	PHAR 438 Principles of Drug Action I	3	PHAR 439 Principles of Drug Action II	3
	PHAR 418 Principles of Drug Action I Lab	1	PHAR 419 Principles of Drug Action II Lab	1
	19 hrs		16 hrs	

Fourth Year- Second Professional Year	Fall Semester		Spring Semester	
	PHAR 516 Introductory Pharmacy Practice Experiences III	1	PHAR 512 Patient Assessment Lab	1
	PADM 531 Pharmacoeconomics and Outcomes	3	PHAR 517 Introductory Pharmacy Practice Experiences IV	1
	PHAR 522 Pharmacy Practice III - Special Populations	2	PHAR 532 Drug Information and Literature Evaluation	3
	PHAR 511 Pharmacy Practice III Lab	1	PHAR 542 Pharmacotherapy I Nervous System Disorders	4
	PHAR 539 Pharmaceutics III- Pharmacokinetics	3	PHAR 543 Pharmacotherapy II Cardiovascular and Urinary Systems Disorders	4
	PHAR 519 Pharmaceutics III - Recitation	1	PHAR 510 Pharmacotherapy Skills Lab I	1
	PHAR 538 Principles of Drug Action III	3		
	PHAR 518 Principles of Drug Action III Lab	1		
	15 hrs		14 hrs	

Fifth Year-Third Professional Year	Fall Semester		Spring Semester	
	PHAR 618 Introductory Pharmacy Practice Experiences V	1	PHAR 619 Introductory Pharmacy Practice Experiences VI	1
	PHAR 640 Pharmacotherapy III Immune System Disorders and Infectious Diseases	4	PHAR 642 Pharmacotherapy V - Gastrointestinal System Disorders	4
	PHAR 641 Pharmacotherapy IV - Respiratory System Disorders	4	PHAR 643 Pharmacotherapy VI - Endocrine System Disorders	4
	PHAR 610 Pharmacotherapy Skills Lab II	1	PHAR 644 Pharmacotherapy VII - Integumentary System, Eye and Ear Disorders	4
	PADM 630 Pharmacy Practice Management	3	PHAR 611 Pharmacotherapy Skills Lab III	1
			PADM 634 Jurisprudence	3
	13 hrs		17 hrs	

REQUIRED SUMMER TERM²

Advanced Pharmacy Practice Experience (as approved)	12
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Sixth Year- Fourth Professional Year	Fall Semester		Spring Semester	
	Advanced Pharmacy Practice Experience	18 hrs	Advanced Pharmacy Practice Experience-	18 hrs

¹ A summer term is required to complete the pre-pharmacy curriculum in two years.

² A summer term is required to complete the Pharm.D. curriculum



COLLEGE OF SCIENCE AND TECHNOLOGY

COLLEGE OF SCIENCE AND TECHNOLOGY

OVERVIEW

The College of Science and Technology at Texas Southern University consists of ten Departments: the Department of Aviation Science and Technology, the Department of Biology, the Department of Chemistry, the Department of Computer Science, the Department of Engineering Technologies, the Department of Environmental and Interdisciplinary Sciences, the Department of Industrial Technologies, the Department of Mathematics, the Department of Physics, and the Department of Transportation Studies. In serving students, these units allow the College to fulfill its mission; and through them, eleven undergraduate and six graduate degrees are offered. For detailed information on the six graduate degrees, students are referred to the **Graduate School Bulletin of Texas Southern University**. A summary of the degrees and departments, by name, appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
Aviation Science and Technology	Bachelor of Science in Aviation Science Management	None
Biology	Bachelor of Science in Biology	Master of Science in Biology
Chemistry	Bachelor of Science in Chemistry	Master of Science in Chemistry
Computer Science	Bachelor of Science in Computer Science	Master of Science in Computer Science
Engineering Technologies	Bachelor of Science in Civil Engineering Technology Bachelor of Science in Computer Engineering Technology Bachelor of Science in Electronics Engineering Technology	None
Environmental and Interdisciplinary Sciences	None	Master of Science in Environmental Toxicology Doctor of Philosophy in Environmental Toxicology
Industrial Technologies	Bachelor of Science in Industrial Technology	None
Mathematics	Bachelor of Science in Mathematics	None
Physics	Bachelor of Science in Physics (through Texas Physics Consortium)	None
Transportation Studies	Bachelor of Science in Maritime Transportation Management and Security	Master of Science in Transportation Planning and Management

Administratively, the College of Science and Technology is headed by a Dean who is assisted by the Associate Dean of Academic Affairs, the Associate Dean of Administration and Development, and the Assistant Dean of Student Services and Instructional Support. Each of the ten departments is headed by a Faculty Chair who reports to the Dean. All administrative offices, classrooms, and research facilities for the College are primarily located in two facilities designated as follows: the Texas Southern University Science Center and the Leonard Spearman Technology Building..

MISSION STATEMENT

The College of Science and Technology at Texas Southern University is dedicated to integrating sciences and contemporary technologies, through education, scholarly activities, and community service, and meeting the needs of a diverse graduate and undergraduate student population while addressing critical urban issues within a global economy.

As an instructional agent of the University, the College of Science and Technology has an additional service mission as stated below:

1. To provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University.
2. To prepare competent professionals and leaders capable of providing effective service and developing solutions to the problems of the nation and the world, especially in urban environs.

In pursuing its missions, the College embraces the following goals:

1. Provide High Quality Instruction
2. Perform Basic and Applied Research
3. Engage in Community Service
4. Optimize enrollment of college-ready undergraduate students and enhance graduate student enrollment
5. Strive for steady increase in external funding
6. Ensure that the College's administrative units function effectively and efficiently so that they support the mission of the College and the University

ACCREDITATION

All programs in the College are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Chemistry program is accredited by the American Chemical Society. The Electronics Engineering Technology Program in the Department of Engineering Technologies is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET). The undergraduate programs in the Department of Industrial Technologies are accredited by the Association of Technology, Management, and Applied Engineering (ATMAE). The undergraduate programs in the Department of Aviation Science and Technology are recognized by the Federal Aviation Agency and accredited by the ATMAE.

ADMISSION POLICIES

Students (either new or transfer) wishing to enroll in one of the programs of study leading to one of the eleven undergraduate degrees offered through the College of Science and Technology must first gain admission to Texas Southern University through policies and procedures established by the University Director of Admissions. Once admitted, students are required to contact University Testing Center for advisement regarding the fulfillment of the TSI assessment requirements and the department of choice in the College for additional advisement. Students may not officially declare majors until the TSI assessment requirement has been fulfilled and identified deficiencies have been eradicated; however, they are eligible to enroll in some selected courses offered through the ten departments in the College once admitted. The ten Department Offices provide advisement upon request related to courses available to students who are not yet eligible to declare majors in the College.

Once admitted, or while applying for admission, students who need financial aid or assistance should contact the Office of Student Financial Assistance at the University. In addition, some competitive scholarships may be available to students through the College. Students earning GPA's of approximately 3.00 or higher (out of 4.00) may inquire about making application for these scholarships through one of the ten Department Offices or the Dean's Office.

Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

ACADEMIC STANDARDS POLICY

The College of Science and Technology has set minimum standards that a student must achieve to remain in good academic standing. In general, these standards are reflective of those established by the University and are as follows:

The minimum grade point average (GPA) required by the University for awarding the baccalaureate degree is 2.00 for all credit work taken by the student as part of an approved program of study. The grade point average is computed by dividing the total number of quality points earned by the total number of GPA hours (See “Grading System”, University Catalog), except for credit hours in courses for which the student received a “W” or “I”. For any repeated course, the grade earned only in to last attempt is used in the grade point average calculation.

The academic standing is determined at the end of each semester based on the institutional cumulative grade point average at the end of that semester as well as the grade point average earned during the semester.

Good Academic Standing: A student who maintains an institutional cumulative grade point average of 2.00 or higher is in good academic standing.

Academic Probation:

Students who start the semester in good academic standing but fail to maintain an institutional cumulative grade point average of 2.00 or higher at the end of the semester, will be placed on Academic Probation for the following semester. Students on probation may be removed from Academic Probation at the end of the semester if they earn a cumulative GPA of 2.00 or higher. Students who fail to bring their cumulative GPA to 2.00 or higher at the end of the semester will be placed on Suspension. However, a student on Academic Probation will be considered in good academic standing and will not be suspended at the end of any semester during which a semester GPA of 2.25 or higher has been earned.

Students on Academic Probation:

- May not register for more than 15 semester credit hours.
- MUST seek advisement in the office of their major department.
- Must complete an Academic Monitoring Form with their academic advisor and must receive approval from the Chair of their major department.
- Students on Academic Probation must get advisement in their home (major) department before they will be allowed to enroll. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services and Instructional Support. The student must report to Office of Student Services and Instructional Support in room 150 of the Leonard Spearman Technology Building for academic monitoring.

Suspension:

Students on Academic Probation at the beginning of the semester are suspended if they fail to bring their cumulative GPA to 2.00 or higher by the end of the semester unless they earn a semester GPA of 2.25 or higher. Additionally, any student enrolled in nine or more credit hours and who earns an “F” in all classes will be suspended from the University.

- A. The first academic suspension is for a period of at least one long semester (fall or spring).
 - Students placed on academic suspension at the end of a fall semester are suspended for the following spring and are not eligible to re-enroll until the following summer.
 - Students placed on academic suspension at the end of a spring semester are suspended for the following fall and are not eligible to re-enroll until the following spring.
 - Students placed on academic suspension at the end of a summer semester are suspended for the following fall and are not eligible to re-enroll until the following spring.
- B. Any suspension after the first one will be for a period of one year. At the end of the suspension period, students will need to apply for re-admission to the University provided they can show evidence of increased academic maturity as explained below.
- C. While on academic suspension, the student must enroll in another institution of higher learning and show evidence of academic maturity at the end of the suspension period. Such evidence maybe grades from courses taken at that institution. Military service and associated courses / training may also be used as evidence of maturity. The following are evidence of academic maturity based on the suspension period:
 - Academic maturity evidence for one semester suspension: Completion of 12 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.
 - Academic maturity evidence for one year suspension: Completion of 24 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.

Academic Suspension and Appeal

Faculty and staff are committed to helping students achieve their academic goals. Nevertheless, some students fail to maintain an adequate grade point average and are academically suspended. Students who believe that extenuating circumstances contributed to their suspension may appeal their case to the University’s Committee on Suspension and Readmission. To appeal, students must

explain those circumstances in a letter submitted to the committee immediately after receiving notification of suspension. (See also “Grade Appeal, Retention Standards, and Academic Probation” in the Undergraduate Catalog.)

Readmission from Academic Suspension

- A. Only the Dean of the college may readmit students on academic suspension from Texas Southern University.
- B. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit the following to the dean of the college or school in which they wish to earn their degrees:
 - A written petition justifying their readiness to resume their studies at the University.
 - Official transcripts showing at least a 2.50 grade point average (with no course having a grade below C) on all college work completed elsewhere while on academic suspension from Texas Southern University.
 - Transcripts of all other completed college work.
 - Students seeking to change their majors from the college from which they were suspended to another college must submit a “change of major” request along with a petition for readmission from academic suspension to the college of the intended major.

The major advisor will complete an academic monitoring form and make a recommendation to the department Chair. The Department Chair will review all documentation and make a recommendation to the Office of Student Services and Instructional Support. All documentation will be forwarded to the Office of Student Services and Instructional Support for final consideration. The suspended student will be notified in writing of the decision. Students allowed to return from suspension will be admitted under probationary status. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services. The student must report to Office of Student Services room 150 of the Leonard Spearman Technology Building for academic monitoring.

Departments may have additional policies and procedures pertaining to readmission from academic suspension; therefore, students seeking readmission should consult the appropriate college section in the undergraduate catalog or request information from the office of the department chair for specific departmental requirements.

When re-admitted, the student will enter the College with probationary status. Another suspension at the end of the semester of re-admission may be avoided by achieving the minimum cumulative average according to the standards above.

NOTE: Each department may adopt its own set of “Academic Progression Standards” to address the particular academic needs of its students. These standards, however, may be higher than the standards of the College, as set out above, but they may not be lower.

GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Science and Technology are required to follow the sequence of courses outlined in their respective degree plans.
2. Students may not enroll in required advanced courses without satisfactorily completing the prerequisites for these courses whether they are offered through the College or through other colleges or schools at the University.
3. Students earning undergraduate degrees from the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.
4. For all undergraduate programs offered through the College, a common core of courses (interdisciplinary in nature) is required for completion of the respective degree requirements.
5. **Students may be required to pass a comprehensive exit examination prior to graduation.**
6. All students enrolled in the College are encouraged to secure either cooperative education or internship positions prior to graduation. Further information on these positions may be obtained from either the Office of the Dean of the College of Science and Technology or the University Cooperative Education and Placement Services Center.

STUDENT ORGANIZATIONS

Student participation in a number of professional organizations and societies having student affiliated chapters on the Campus is encouraged. The principle organizations operating in the College are listed below:

- Alpha Eta Rho (AER)
- American Association of Airport Executives (AAAE)
- American Chemical Society Student Organization (ACS)
- American Design Drafting Association (ADDA)

- Associated General Contractors, Inc. (AGC)
- Beta Beta Beta Biological Honor Society
- Beta Kappa Chi Scientific Honor Society
- Chinese Oversea Transportation Association (COTA)
- Chinese Students and Scholars Association (CSSA)
- Conference of Minority Transportation Officials (COMTO)
- Environmental Student Club (ESC)
- Environmental Toxicology Graduate Students Association (ETGSA)
- Health Occupations Students of America (HOSA)
- Institute of Electrical and Electronics Engineers (IEEE)
- Institute of Transportation Engineers (ITE)
- Intelligent Transportation Society of America (ITSA)
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCChE)
- National Society of Black Engineers (NSBE)
- Society of Urban Mathematics (SUM)
- Society of Manufacturing Engineers (SME)
- Society of Physics Students (SPS)
- Society of Sigma Xi
- Texas Southern Computing Society (TSCS)
- The Association of Technology, Management, and Applied Engineering (ATMAE)
- The Construction Club
- The National Association of Minority Contractors (NAMC)

Students should seek additional information on these organizations through the Office of the Dean or through the Department Offices in the College.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that students are enrolled. Courses are also subject to change.

DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY

The mission of the Aviation Science and Technology Department is, “to prepare students with the foundation to develop and function as aviation professionals.” Specifically, our mission is to prepare our majors with the base knowledge and skills for entering graduate school or entering the work force as an entry level aviation professional.

The Aviation Science Management degree provides a strong foundation for a career as a leader in the field of aviation. The curriculum provides skills in management, communications, and research to prepare students as required in the field of aviation management. The last two years of matriculation include extensive professional-level Aviation Science Technology and Management courses where by students shall develop critical-thinking and problem-solving skills. The degree in Aviation Science Management is fully accredited by the Association of Technology, Management, and Applied Engineering.

Former military must submit a copy of their DD214 form to the Texas Southern University Office of Veteran Affairs in order to receive academic credit for military courses recommended by the American Council on Education. Students with prior Aviation training must present certification to the department Chair for credit evaluation. Individuals possessing a private pilot, commercial, and instrument license can receive credit for flight training upon evaluation by the department chair. Transfer of credit from another institution to Texas Southern University involves consideration of accreditation, comparability of course work, and applicability of that course work to a degree program at the University.

Degree Requirements

The Bachelor of Science (B.S.) degree in Aviation Science Management is earned by the successful completion of a 120 credit hours (minimum) including 42 hours of general education core courses and other courses as established by Texas Southern University and approved by the Texas Higher Education Coordinating Board, 76 hours of courses as defined by the department of Aviation Science and Technology. All coursework representing the 76 hours of courses as defined by the Department of Aviation Science and Technology leading to the B.S. Degree in Aviation Science Management must be earned with a Grade of “C” or better, where grades of “C-“ or below are unacceptable. For a minor in Aviation Science Management, twenty-one (21) semester hours are required. Students pursuing a minor in Aviation Science Management must have a grade point average of 2.50 or better and visit with the Department Chair prior to enrolling in courses.

For further information, please contact the department of Aviation Science and Technology at 713-313-1846 or come to Room 328 of the Spearman Technology Building.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Olowokere, David, Ph.D. Professor & Interim Chair B.S., Ahmadu Bello University, Nigeria M.S., Queen's University, Kingston, Canada Ph.D., State University of New York</p>	<p>Baker, Vernon, M.S. Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>
<p>Sherman, Mark, Ed.D. Associate Professor Ed.D., Oklahoma State University Ed.S., University of Central Missouri M.A., M.S., University of Central Missouri B.S., University of Central Missouri</p>	<p>Odetunde, Christopher, Ph.D. Assistant Professor Post Doctorate, Texas A&M University Ph.D., Texas A&M University M.S., Iowa State University, Ames Iowa B.S. Southeastern Institute of Technology</p>
<p>Hall, Tasjah, M.S. Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Brown, Calvin, MBA Adjunct Instructor B.S., Texas Southern University MBA, Texas Southern University</p>

AVIATION SCIENCE AND TECHNOLOGY COURSE DESCRIPTION

AVST 101	Introduction to Aviation (3) The course covers a brief historical review of early aviation, the free demand the power off light from the 1 5th Century ,drawings and manuscripts of Leonardo de Vinci to modern times, a discussion of the fundamental sofflight and aeronautical technology, and an introduction to aircraft systems and operations. The dynamics of safety offlight, humanfactors, interpreting aero nauticalgraphic representation, introductory navigation, air traffic control and airspace, and aviation weather aspects are topics of discussion.Three hours of lecture per week.
AVST 102	Aviation History (3) This course covers an overview of aviation history with a focuson the United States. Additionally, the course will discuss the origin of aircraft equipment. Three hours of lecture per week.
AVST 103	Private Pilot Ground (3) Private pilot ground covers the cock pit instruments and system, fundamentals off light, aircraft performance charts, and cross country planning. Three hours of lecture per week.
AVST 105	Private Pilot Flight (3) This course prepares the student for the FAA Private Pilot Practical Examination. Successful completion of this course will permit the student to performas apilotin command of single engine aircraft transport of passengers or property without recompense, whether fees or employment. Three hours of lecture per week. FAA approved. Prerequisite: AVST103. Co-requisite: AVST105L
AVST 105L	Private Pilot Flight Lab (3) Practical application of aeronautical skills in a laboratory setting. Three hours of laboratory per week. Prerequisite: AVST103. Co-requisite: AVST105.
AVST 113	Introductions to Flight (3) Introduction to Flight covers the fundamentals of flight. Three hours of lecture per week. Co-requisite: AVST113L
AVST 113L	Introduction to Flight Lab (1) Practical application of aeronautical skills in a laboratory setting. Two hours of lab per week Co-requisite: AVST113.
AVST 120	Transportation Survey (3) Transportation system sand their impacton society. Standard research practices will be introduced. Three hours of lecture per week.
AVST 200	Basics of Communications (3) In accordance with FAA orders 7110. 65 and 7110.10, the student will identify basic radio and inter-phone communications, ICAO phonetics, numbers usage, basic phraseology, coordination procedures, purpose and steps of the position relief briefing. Three hours of lecture per week.
AVST 201	Flight Meteorology (3) This course provides detailed knowledge of the environmental factors critical to safe flight operations. The course covers weather systems, upper-air characteristics, flight hazards, weather-related to pics in flight safety, meteorological flight planning, use of weather information systems, and there ports and charts used for aviation weather reporting and forecasting. Survey of atmospheric and weather-related phenomena and their impact on flight operations including the inter face of airmen and flight service stations. Three hours of lecture per week. Pre requisite: AVST 105, AVST 105L.
AVST 214	Introduction to Homeland Security (3) This course provides a survey of historical events, practices, and polices of the Emergency management system in the aviation industry.Three hours of lecture per week. Prerequisite: AVST101 and AVST371.

AVST 218	Instrument Ground The course is designed to prepare students to successfully complete the FAA Instrument Knowledge Test. Topics of the course include FAR and AIM, ATC system and procedures, IFR navigation and approaches, en route and instrument approach charts, weather, safe and efficient aircraft operations, and CRM. Three hours of lecture per week. Pre-requisite: AVST103 and AVST105 Co-requisites: AVST218L.	(3)
AVST 218L	Instrument Flight Students will attain the knowledge and skill necessary for Instrument ground and flight rating and exercise the privileges of the rating. Completion of the FAA knowledge exam is necessary for this rating. Pre-requisite: AVST103 and AVST105. Co-requisite: AVST218.	(1)
AVST 310	Airport Emergency Planning and Mitigation Provides foundation knowledge and develops skills in emergency planning, hazard mitigation, and incident management in aviation environments. Three hours of lecture per week. Prerequisite: AVST371.	(3)
AVST 312	Commercial Pilot Certification Successful completion of the course will certify the pilot to perform as a hired or compensated pilot in command of single engine aircraft. Course includes advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country and night flight, FAA regulations, and an introduction to advanced systems of highly developed futuristic aircraft. FAA approved. Three hours of lecture per week. Prerequisite: AVST 218 and AVST 218L. Co-requisite: AVST 312L.	(3)
AVST 312L	Commercial Pilot Certification Lab Laboratory course providing students opportunities to learn the advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country, night flight, and FAA regulations. Three hours of laboratory per week. Co-requisite: AVST 312.	(3)
AVST 313	International Flight Theory This course provides descriptions and familiarization of large transport category aircraft and their on-board systems from electrical power systems to oxygen systems, to communication systems, and beyond. This course also contains general information and guidance for operators planning oceanic flights, including authorizations needed for operations outside the continental United States. This includes Special Areas of Operation (SAO) such as North Atlantic Minimum Navigation Performance Specifications (NAT/MNPS), Reduced Vertical Separation Minimums (RVSM), Area Navigation (RNAV), and Required Navigation Performance (RNP) air space. Pre-requisite: AVST 312.	(3)
AVST 315	Multi-Engine Rating This course is designed to prepare the student for the FAA Multiengine Rating Practical Examination. Successful completion of this course will permit the student to operate as a pilot in command of a multiengine airplane. FAA Approved. Three hours of lecture per week. Prerequisite: AVST 312.	(3)
AVST 321	Air Traffic Control This course provides an overview of the development and application of Air Traffic Control (ATC) separation standards and procedures for the control of instrument flight in controlled airspace. A study of the national air traffic control system is discussed with an emphasis on basic air traffic control procedures; the roles of Center, Approach Control, Tower, and Flight Service Station. Includes communications, navigation procedures, radar operations, and facilities. Three hours lecture per week. Co-requisite: AVST321L.	(3)
AVST 321L	Air Traffic Control Lab Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Co-requisite: AVST321.	(1)
AVST 325	Airport Design and Operation The study of planning, design construction of airports. Three hours of lecture per week.	(3)

AVST 345	Principles of Aviation Property Study of the processes of planning, organizing, directing, and controlling aviation property at fixed based operations. Three hours of lecture per week. Prerequisite: AVST 371.	(3)
AVST 351	Aviation Law Chronological development of aviation law, federal and state regulatory functions, rights and liabilities ofaviators, commercial aircarrier operations, and the traveling public. Includes FAA regulation sand directives governing airport operations, air carrier safety, and aviation security.Three hours of lecture per week.	(3)
AVST 371	Airport Management Origin of early legislation shaping development of present National Airport System, procedures for financing airport construction, phases of airport master planning, daily operations, and contractual provisions governing the operations of anairline. Three hours of lecture per week.	(3)
AVST 352	Aviation Business Organization Management A study of the role of business operations and technique sat small and large airports.Three hours of lecture per week. Prerequisite: AVST 371.	(3)
AVST 380	Flight Instruction Airplane This courseis a study of the fundamental so fair plane flight in struction involving educational principles of the learning and teaching process, communication, teaching methods, critiquing, evaluating, and planning instruction alactivity. Three hours of lecture per week. Prerequisite: AVST 315.	(3)
AVST 381	Air Carrier Management Historical development of U.S. trunk carrier operations and regulatory inter faces with the federal government, International Civil Aviation Organization (ICAO), and the International Air Transport Association (IATA). Three hours of lecture per week.	(3)
AVST 400	Flight Instructor Instrument Instruction, flight training and practice teaching to obtain the aero nautical skills and know ledge necessary for FAA Certified Flight Instructor, Instruments. Three hours of lecture per week. Prerequisite: AVST 315.	(3)
AVST 401	Advanced Aerodynamics Advanced the oriesofflight and flight factors including air foilshape, drag velocity, lift and thrust, stability and control; advanced principles of performance including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, comparative analysis of aircraft, and certification of aircraft. Three hours of lecture per week. Prerequisite: AVST 312.	(3)
AVST 402	Effective HSEM Communications & Leadership Prepares future aviation professionals with communication and leadership skills to fulfillteam-building roles with government and non-government agenciesduring times of aviation disasters.Three hours of lecture per week. Prerequisiteor Co-requisite: AVST 310.	(3)
AVST 403	Turbo prop Familiarization This course studies Turbo prop and turbo jet engines and their operation. Electrical, pressurization, hydraulic, and fuel systems will be examined. Three hours of lecture per week. Prerequisite: AVST 315.	(3)
AVST 404	Flight Safety Instruction emphasizing personal and institutional safety goals with in the frame work of the FAA. Three hours of lecture per week. Prerequisite:AVST 312.	(3)
AVST 406	The National Airspace System Overview of the proposed NAS Planincluding problems such as airspace allocation, airspace usage, Facilities and safety.Three hours of lecture per week. Prerequisite: AVST 218.	(3)

- AVST 407 Aviation Service Operations (3)**
 Study of different aviation services at airports such as fueling services, ramp operators, and environmental management. The course will also cover operational management issues including Fixed Based Operations, general aviation, and relationship between private and governmental partners in the industry. Three hours of lecture per week. Prerequisite: AVST 371.
- AVST 409 General Aviation Management (Fixed Based Ops) (3)**
 A study of fixed based operations and its function and responsibilities of managing the facility. The course will also examine sources of profit, management, maintenance and operations. Three hours of lecture per week. Prerequisite: AVST 371.
- AVST 415 Aeronautical Charts and Publications (3)**
 The student will become familiar with VFR Charts, FAA publications, en-route IFR Charts, SIDs & STARS, approach plates, and emergency rescue procedures. Three hours of lecture per week. Prerequisite: AVST 312.
- AVST 425 Flight Physiology (3)**
 A study of the causes, symptoms, treatment, and prevention of medical issues associated with flight. Three hours of lecture per week. Prerequisite: AVST 105, AVST 105L, and AVST 315.
- AVST 444 Aviation Project System Management (3)**
 A study of the role of project managers using software programs and systems analysis techniques. Three hours of lecture per week. Prerequisite: AVST 371. Co-requisite: 444L.
- AVST 444L Aviation Project System Management Lab (1)**
 Laboratory training of the role of project managers using software programs and systems analysis techniques. Prerequisite: AVST 371. Co-requisite: AWS 444.
- AVST 495 Field Work Practicum in Aviation Science (3-6)**
 Directed study involving field placement which provides students with practical exposure to present operational and managerial practices in aviation. This course also provides internal and external classroom work to develop skills in research, proposal, and grant writing. Prerequisite: Permission of the Chair.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE AND TECHNOLOGY AVIATION SCIENCE
MANAGEMENT CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (AVIATION SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
42 Credits	EQUIVALENT	36 CREDITS	42 CREDITS	21 CREDITS
Communication:		AVST 101(3)	ACCT 231 (3)	AVST 101(3)
ENG 131 (3) **	ENG 1301 (3)*	AVST 102(3)	BADM 230(3)	AVST 102(3)
ENG 132 (3)	ENG 1302 (3)	AVST 120(3)	MATH 136 (3)	AVST 351(3)
Mathematics:		AVST 201(3)	MATH 241 (3)	AWS 371(3)
MATH 136 (3)	MATH 2312 (3)*	AVST 321(3)	MGMT 300 (3)	AWS 381(3)
Life and physical sciences:		AVST 321L(1)	MGMT 301 (3)	AVST 404(3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 (3) BIOL 1308 (3)	AVST 351(3)	MGMT 330 (3)	AVST 409(3)
PHYS 101 (3)	PHYS 1301(3)	AVST 371(3)	MGSC 239(3)	
Language, philosophy, and culture:		AVST 381(3)	ECON 231(3)	
ENG 2xx (3) ***	ENG 2XXX (3)	AVST 404(3)	ELECTIVES(15)**	
Creative arts:		AVST 409(3)		
MUSIC 131 or ART 131 (3)	MUSIC 1301(3) ART 1316 (3)	AVST 495(5)		
American history:				
HIST 235 (3)	HIST 1301 (3)			
HIST 236 (3)	HIST 1302 (3)			
Government/political science:				
POLS 235 (3)	GOVT 2305 (3)			
POLS 236 (3)	GOVT 2306 (3)			
Social and behavioral sciences:				
ECON 231 (3)	ECON 2301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 120 (3)	COSC 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represents the number of course credits.

*Pending English and Math examinations

** Approved Electives

Any 15 hours from the following:

Any AVST course other than required courses

Any MATH, MGMT, MKTG, MGSC, BADM, MSCI, ACCT course, other than required courses.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE & TECHNOLOGY
 AVIATION SCIENCE MANAGEMENT CONCENTRATION
 DEGREE PLAN – TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 English I	3	ENG 132 English II	3
	MATH 133 College Algebra/	3	BIOL 143 or CHEM 131 Survey of Life Science/General Chem.	3
	AVST 101 Intro to Aviation	3	AVST 102 Aviation History	3
	SC135/136 Public Address or Business & Prof Communication	3	MATH 136 Pre-Calculus	3
	CS 120 Intro to Computers and Prob Sol	3	MUSIC 239 Fine Arts	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XXX Any 200 Level ENG may be selected	3	POLS 236 American Political System II	3
	PHYS 101 Principles of Physical Sciences	3	HIST 232 US Soc & Pol History II	3
	POLS 235 American Political System I	3	ECON 231 Principles of Econ I	3
	PSY 131 General Psychology	3	BADM 230 Adv. Comm. Skills	3
	HIST 231 US Soc & Pol. History I to 1877	3	AVST 120 Transportation Survey	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	AVST 201 Flight Meteorology	3	ACCT 231 Principles of Accounting	3
	AVST 351 Aviation Law	3	AVST 371 Airport Management	3
	MATH 241 Calculus	3	MGSC 239 Business Statistics I	3
	AVST 321 Air Traffic Control	3	AVST 381 Air Carrier Management	3
	AVST 321L Air Traffic Control Lab	1	ELECTIVE**	3
	ELECTIVE**	3		
	16 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MGMT 300 Principals of Management	3	AVST 495 Field Work Practicum in Aviation Science	5
	AVST 404 Flight Safety	3	MGMT 301 Personnel and Human Resource Development	3
	AVST 409 General Aviation Management	3	MGMT 330 Organizational Behavior	3
	ELECTIVE**	3	ELECTIVE**	3
	ELECTIVE**	3		
		15 hrs		14 hrs

TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE	COURSE NAME	CRED-ITS	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
AVST 101	INTRO TO AVIATION	3	X				
AVST 102	AVIATION HISTORY	3	X	X			
AVST 103	PRIVATE PILOT GROUND	3	X				
AVST 105	PRIVATE PILOT FLIGHT	3	As Required			AVST 103	AVST 105L
	PRIVATE PILOT FLIGHT LAB	3	As Required			AVST 103	AVST 105
AVST 113	INTRO TO FLIGHT	3	As Required				AVST 113L
AVST 113L	INTRO TO FLIGHT LAB	1	As Required				AVST 113
AVST 120	TRANSPORTATION SURVEY	3	X				
AVST 200	BASICS OF COMMUNICATIONS	3	As Required				
AVST 201	FLIGHT METEOROLOGY	3	As Required			AVST 105, 105L	
AVST 214	INTRO HOMELAND SECURITY	3	X			AVST 101, AVST 205	
AVST 218	INSTRUMENT GROUND	3	As Required			AVST 103, AWS 105	AVST 218L
	INSTRUMENT GROUND & FLIGHT LAB	2				AVST 103, AVST 105	AVST 218
AVST 310	EMERGENCY PLANNING & MITIGATION	3		X		AVST 371	
AVST 312	COMMERCIAL PILOT CERTIFICATION	3	As Required			AVST 218, AVST 218L	
	COMMERCIAL PILOT CERTIFICATION LAB	1	As Required			AVST 218, AVST 218L	AVST 312
AVST 313	INT FLIGHT THEORY	3	As Required			AVST 312	
AVST 315	MULTI-ENGINE RATING	3	As Required			AVST 312	
AVST 321	AIR TRAFFIC CONTROL	3	As Required				AVST 321L
	AIR TRAFFIC CONTROL LAB	1	As Required				AVST 321
AVST 325	AVIATION DESIGN AND OPERATIONS			X		AVST 371	
AVST 345	PRINCIPLES AVIATION PROPERTY	3		X		AVST 371	
AVST 351	AVIATION LAW	3		X			
AVST 371	AIRPORT MGMT	3	X				
AVST 352	AVIATION BUSINESS ORG MGMT	3		X		AVST 371	
AVST 380	FLIGHT INSTRUCTION AIRPLANE	3	As Required			AVST 315	
AVST 381	AIR CARRIERMGMT	3	X				
AVST 400	FLIGHT INSTRUCTOR INSTRUMENT	3	As Required			AVST 315	
AVST 401	ADVAERODYNAMICS	3	As Required			AVST 312	
AVST 402	EFFECTIVE HSE MCM & LEADERSHIP	3	As Required			AVST 310	
AVST 403	TURO PROP FAMILIARIZATION	3	As Required			AVST 315	

AVST 404	FLIGHT SAFETY	3	As Required			AVST 312	
AVST 406	NATL AIR SPACE SYSTEM	3	X			AVST 218	
AVST 407	AVIATION SERVICES OPERS	3	As Required			AVST 371	
AVST 409	GENERAL AVIATION MANAGEMENT	3	X			AVST 371	
AVST 415	AERONAUTICAL CHARTS & PUBS	3	As Required			AVST 312	
AVST 425	FLIGHT PHYSIOLOGY	3	As Required			AVST 105, AVST 105L, AVST 315	
AVST 444	AVIATION PRO J.SYSTEM MGMT.	3		X		AVST 371	AVST 444L
AVST 444L	AVIATION PRO J.SYSTEM MGMT. LAB	1	As Required			AVST 371	AVST 444
AVST 495	FLD.WORK PRACT IN AVST	3-6	X	X	X	Chair Approval	

DEPARTMENT OF BIOLOGY

As the largest instructional unit in the College of Science & Technology, the Department of Biology offers courses in Biology (BIOL), the Bachelor of Science (B.S.) Degree in Biology, the Master of Science (M.S.) Degree in Biology, and a minor in Biology for students pursuing majors in other departments where the declaration of a minor is required. In addition, the Department of Biology serves as the academic unit overseeing Texas Southern University's Pre-Nursing Program, which is a non-degree program designed to prepare students for admission into a Bachelor of Science (B.S.) Degree in Nursing degree program. The teaching facilities, research facilities, and faculty members for the Department are housed on the second and third floors of TSU Science Center with the Department Office located in Room 203.

Students interested in pursuing the Master of Science in Biology should consult the Graduate School Bulletin of Texas Southern University for further information.

The mission of the Department of Biology is threefold: (1) to provide the opportunity for all students who matriculate through Texas Southern University to become better informed about biological phenomena and life processes, as well as apply information and knowledge gained toward an improved understanding of man, society, and the universe; (2) to provide undergraduate students with the appropriate background in Biology that will allow them to pursue medical, biomedical, and other allied or related careers; and (3) to ensure that undergraduates who intend to matriculate in graduate programs in the biological sciences, or related areas, are adequately prepared.

In pursuing the B.S. in Biology, students may select from the Comprehensive or the Pre-Health Professional curricula. The Comprehensive curriculum is designed to prepare students to enter the workforce or for additional study at the graduate level, while the Pre-Health Professional curriculum is intended to prepare students for professional schools (Medical, Dental, Veterinary, Optometry, Physical Therapy and etc.) upon graduation. Students should contact professional schools directly to ascertain specific admission requirements. The specific requirements for the B.S. in Biology are described, in detail, below. **All students majoring in Biology must declare and complete a minor in a second academic discipline if they are first-time degree seekers. Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the major and the minor.** Students should seek detailed advisement from their designated advisors when selecting a minor because the selection of a minor could impact the total number of credits required for graduation. In no case will a student majoring in Biology qualify for graduation at the undergraduate level without satisfactorily completing a minimum of 120 semester credit hours.

The Biology undergraduate curriculum at Texas Southern University is designed to provide a comprehensive general education in the natural sciences, humanities, and social sciences and a strong foundation in the principles of modern biology. Interested students must first gain admission to the University, must satisfy TSI or any equivalent test requirements, and remove deficiencies identified at the time of admission with the University's TSI Testing Center. Shortly after arriving at Texas Southern University, all students interesting in pursuing a degree in Biology will be assigned a pre-major advisor, who will assist in planning the program of study and helping them to achieve their career goals. **Biology pre-majors may petition the department to declare their major as Biology upon the successful completion of Biology 111, 112, 131 and 132 with a cumulative GPA of 2.75. All Biology majors will be required to maintain a GPA of 2.75 with respect to courses in the following cognate areas: Biology, Chemistry, Mathematics, and Physics.** If a student's overall GPA falls below 2.75 for two consecutive semesters the student will be removed from the list of designated majors and minors in Biology. Once admitted, students are each assigned an official faculty advisor who must approve their individual schedules of courses for each semester or term of enrollment. All majors should request that the Faculty Chair or the Departmental Appointee evaluate their transcripts at the beginning of their senior year to verify eligibility for degree conferral at the end of that year. **All Biology majors are required to pass an exit examination prior to conferral of their degree. It is recommended that all Biology majors enroll to take the exit examination in the spring semester (2nd Monday in April) of the junior year. Students who do not pass the exit exam may take as a remedial course BIOL 439 (Principles of Biology). NOTE: If a student fails the exit exam and takes BIOL 439, these credits will not be applicable to the total biology hours required for the student's specific curriculum.**

Individuals interested in seeking certification for teaching in the public schools of Texas in Biology should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in Biology, 21 semester credit hours are required through enrollment in the following courses: BIOL 131 (3 credits), BIOL 132 (3 credits), BIOL 231 Cell Biology (3 credits), BIOL 232 Developmental (3 credits), and 9 additional 300-level or 400-level BIOL credits. Although students are required to take BIOL 111 (1 credit) and BIOL 112 (1 credit) as co-requisites with BIOL 131 and BIOL 132, respectively, these 2 credits are not counted toward the completion of the minor in Biology. In conjunction with these 21 credits, at least one year of college chemistry must be completed along with Mathematics 133 and 134 or 136. **Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the minor.**

Further information may be obtained by contacting the Department Office at (713) 313-7005.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abdel-Rahman, Fawzia Professor B.Sc., University of Cairo, Egypt M.S., Ph.D., University of California at Davis</p>	<p>Olufemi, Shodimu-Emmanuel Assistant Professor B.S., M.S., Texas Southern University Ph.D., Howard University</p>
<p>Fadulu, Sunday O. Professor Emeritus B.S., Oklahoma Baptist University M.S., Ph. D., University of Oklahoma</p>	<p>Player, Audrey Assistant Professor B.S., University of North Texas Ph.D., Wright State University</p>
<p>Gardiner, Linda M. Visiting Assistant Professor B.S., Ph.D., Texas Southern University</p>	<p>Rosenzweig, Jason A. Associate Professor B.S., Florida Atlantic University Ph.D., University of Miami (Miller School of Medicine)</p>
<p>Hillar, Marian Professor M.D., Ph.D., University Medical School at Gdansk, Poland</p>	<p>Shishodia, Shishir Associate Professor B. S., Ranchi University, Ranchi, India. M.S., Ph.D., Banaras Hindu University, Varanasi, India</p>
<p>Hollomon, Mario G. Assistant Professor B.S., Prairie View A&M University M.S., Ph.D., Texas Southern University</p>	<p>Sodipe, Ayodotun Assistant Professor B.S., Ph.D., Texas Southern University</p>
<p>Jackson, Desirée Associate Professor B.S., State University of New York College at Brockport Ph.D., Meharry Medical College</p>	<p>Sundaresan, Alamelu Associate Professor B.Sc., Women's Christian College, Madras M.Sc, University of Pondicherry and The World Health Organization, Geneva Ph.D., University of Texas Health Science Center, Houston</p>
<p>Miranda, Hector Associate Professor B.S., M.S., University of the Philippines at Los Baos Ph.D., University of Cincinnati</p>	<p>Williams, Warren Associate Professor B.S., M.S., Texas Southern University Ph.D., University of Illinois</p>

BIOLOGY COURSES

- BIOL 111** **Biological Science Laboratory I** (1)
Laboratory course devoted to the study of basic life processes and the structural and functional organization of plants and animals. One hour of lecture and two hours of laboratory per week. Co-requisite: BIOL 131. Listed as BIOL 1106 in the Texas Common Course Numbering System.
- BIOL 112** **Biological Science Laboratory II** (1)
Continuation of Biology 111 with emphasis on biological concepts and processes. One hour of lecture and two hours laboratory per week. Prerequisite: BIOL 111. Co-requisite: BIOL 132. Listed as BIOL1107 in the Texas Common Course Numbering System.
- BIOL 131** **Biological Science I** (3)
Integrated approach to the study of basic biological principles which are presented through the hierarchy of living systems. Three hours of lecture per week. Co-requisite: BIOL 111. Listed as BIOL1306 in the Texas Common Course Numbering System.
- BIOL 132** **Biological Science II** (3)
Continuation of BIOL 131. Three hours of lecture per week. Prerequisites: BIOL 111, BIOL 131. Co-requisite: BIOL 112. **Listed as BIOL 1307 in the Texas Common Course Numbering System.**
- BIOL 135** **Human Anatomy and Physiology I** (3)
Course designed for health careers and pre-nursing students emphasizing the structure-function relationships of human organ systems. Three hours of lecture per week. Co-Requisite BIOL 115. Listed as BIOL 2301 in the Texas Common Course Numbering System.
- BIOL 135L** **Human Anatomy and Physiology Laboratory I** (1)
Laboratory course emphasizing some of the techniques and principles presented in BIOL 135. One hour of lecture and two hours laboratory per week. Listed as BIOL 2101 in the Texas Common Course Numbering System.
- BIOL 136** **Human Anatomy and Physiology II** (3)
Continuation of BIOL 135. Three hours of lecture. Listed as BIOL 2302 in the Texas Common Course Numbering System.
- BIOL 136L** **Human Anatomy and Physiology Laboratory II** (1)
Laboratory course emphasizing some of the techniques and principles presented in BIOL 136. One hour of lecture and two hours laboratory per week. Listed as BIOL 2102 in the Texas Common Course Numbering System.
- BIOL 143** **Survey of Life Science** (3)
In-depth coverage of selected biological principles for non-majors covering the molecular through the population levels of life forms and functions. Methods of inquiry and analysis emphasized. Two hours of lecture and one hour of demonstrations per week. Listed as BIOL 1408 in the Texas Common Course Numbering System.
- BIOL 143L** **Survey of Life Science Laboratory** (1)
Laboratory experiments and exercises designed to complement BIOL 143. One hour of laboratory per week.
- BIOL 211** **Cell Biology Laboratory** (1)
Laboratory experiments and exercises to complement BIOL 231 Cell Biology. Three hours of laboratory per week. Co-requisite: BIOL 231.
- BIOL 212** **Developmental Biology Laboratory** (1)
Laboratory experiments and exercises to complement BIOL 232 Developmental Biology. Three hours of laboratory per week. Co-requisite: BIOL 232.

- BIOL 231** **Cell Biology (Previously BIOL 241)** **(3)**
Molecular biology of cells encompassing ultra-structure, biosynthesis of macromolecules, chromosome and gene structure, control of gene expression, cell cycles, cytoskeleton movement, and energetic. Three hours of lecture per week. Co-requisite: BIOL 211 (laboratory). Prerequisites: BIOL 111, BIOL 112, BIOL 131, BIOL 132, and one year of college level chemistry.
- BIOL 232** **Developmental Biology (Previously BIOL 243)** **(3)**
Consideration of development in diverse organisms with an emphasis on comparative vertebrate development. Three hours of lecture per week. Co-requisite: BIOL 212 (laboratory). Prerequisites: BIOL 111, BIOL 112, BIOL 131, and BIOL 132.
- BIOL 245** **Human Anatomy and Physiology** **(4)**
Integrated approach to the study of the organ systems of man for non-majors where the relationship between anatomy and function is emphasized. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 245L. Prerequisite: One year of college level biology. (BIOL 143 does not qualify in meeting this prerequisite.)
- BIOL 246** **Microbiology for Health Related Professions** **(4)**
Morphology and physiology of microorganisms important in community health. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 246L. Prerequisites: BIOL 135 and BIOL 136. **Listed as BIOL 2420 in the Texas Common Course Numbering System.**
- BIOL 300** **Seminar for Health Related Professions** **(1)**
Designed to broaden the perspectives of students preparing to pursue health professional careers. Students may enroll for a maximum of two semesters. One hour of lecture per week. Prerequisites: BIOL 112 and BIOL 132.
- BIOL 332** **Bioinformatics** **(3)**
Investigates the application of molecular biology, computers and the internet to generate and manage DNA and protein sequence data. Lecture and laboratory will involve generation, management and analysis of real and archived (in Genbank) data, including that from the Human Genome Project. Emphasis on genome organization and evolution, archival (web-based) and information retrieval, sequence assembly, alignment, comparative genomics, phylogenetics and evolutionary inferences, analyses of protein structure and micro-array data. Two hours of lecture per week and three hours of laboratory. Co-requisite: BIOL 332L. Prerequisites: BIOL 131 and BIOL 132.
- BIOL 334** **Conservation Biology** **(3)**
This course is designed to investigate biodiversity patterns across evolutionary time and place, the human impact on wild populations and habitats, the social, cultural and political issues at the local and global level, and search for sustainable solutions to a world of expanding human populations with limited resources. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.
- BIOL 338** **Genetics** **(3)**
In-depth discussion of the basic concepts of Mendelian, neo-Mendelian, molecular, and population genetics. Three hours of lecture per week. Prerequisites: Two years of college level biology and one year of college level chemistry.
- BIOL 340** **Biochemistry of Biological Compounds** **(3)**
Physico-chemical nature of proteins, carbohydrates, lipids, and nucleic acids; kinetic function of enzymes; and structure of biological membranes. Three hours of lecture per week. Prerequisites: One year of college level biology and chemistry.
- BIOL 341** **Organismic Biology** **(4)**
Comparative and integrated approach to the study of organisms emphasizing diversity, maintenance, coordination, and function of organ systems. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 341L. Prerequisites: BIOL 112 and BIOL 132.

BIOL 343	Ecology A study of ecosystems from the standpoint of functional dynamics as well as the roles of ecological, evolutionary and adaptive processes in shaping the environment. Three hours of lecture per week. Prerequisites: BIOL 112 and BIOL 132.	(3)
BIOL 344	Vertebrate Anatomy and Histology Gross and microscopic anatomy of the organ systems of vertebrates with an emphasis on histology essential to understanding drug effects on functional anatomy for pharmacy students. Co-requisite: BIOL 344L. Three hours of lecture and three hours of laboratory per week.	(4)
BIOL 345	Ecology Laboratory This course is designed for both field and laboratory ecological studies. Three hours of laboratory per week. Prerequisites: BIOL 112 and BIOL 132.	(1)
BIOL 347	Microbiology Taxonomy, structure, life cycles, physiology, biochemistry, and role in ecosystems of selected groups of microorganisms. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 347L. Prerequisites: One year of college level biology and organic chemistry.	(4)
BIOL 348	Experiments in Biology Key experiments in cell biology, biochemistry, cell physiology, and genetics. One hour of lecture and five hours of laboratory per week. Prerequisites: Two years of college level biology and one year of chemistry.	(4)
BIOL 349	Entomology To study biology, anatomy, physiology, development, classification, ecology and relation of insects to human welfare. Three hours of laboratory per week. Co-requisite: BIOL 349L. Prerequisites: One year of college level biology.	(4)
BIOL 401	Undergraduate Research Designed to provide supervised experiences in the theoretical and experimental aspects of biological research to undergraduates. Three hours of laboratory per week. Prerequisite: Consent of the instructor.	(1)
BIOL 434	Evolutionary Biology This course will investigate the fundamental principles of evolution by natural selection, population genetics, historical reconstructions, and attempt to apply these principles to ecology, development, physiology, medicine, and sociobiology. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.	(3)
BIOL 435	History & Philosophy of Science A study of the history and philosophy of science, and, in particular, the history of the life sciences giving broader insight into the evolutionary process of how science was developed and what mechanisms operated. The course will examine characteristics, distinguishing scientific inquiry from other types of investigation; procedures scientists use in investigating nature; conditions to be satisfied for a scientific explanation to be correct; and the cognitive status of scientific laws and principles. Three hours of lecture per week. Prerequisite: Senior standing.	(3)
BIOL 438	Plant Biology Plant structure and physiology; plant biotechnology; medicinal plants; and interactions between plants and their environment. Two hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 438L. Prerequisites: BIOL 112 and BIOL 132.	(3)
BIOL 439	Principles of Biology Comprehensive review of basic biological principles operating at various levels of organization in living systems. Two hours of lecture and two hours of laboratory per week. Co-requisite: BIOL 439L. Prerequisites: BIOL 112, BIOL 132, and enrollment in Teacher Certification program.	(3)

BIOL 441	Histology Microscopic study of the anatomy and relevant functions of vertebrate tissues and organs using light microscopy and selected electron micrographs. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 441L. Prerequisite: BIOL 231 or BIOL 232 or BIOL 341.	(4)
BIOL 443	Molecular Biology Study of intracellular molecular processes. Three hours of lecture per week. Co-requisite: BIOL 443L. Prerequisites: 2 years of college level biology and 2 years of college level chemistry; Junior standing in Biology.	(4)
BIOL 446	Human Physiology Laboratory Laboratory experiments and exercises to complement BIOL 447 Human Physiology. Co-requisite: BIOL 447. Prerequisites: BIOL 112, BIOL 132, and one year of college chemistry.	(1)
BIOL 447	Human Physiology Comprehensive treatment of the physiology, biochemistry and biophysics of organ systems in humans. Three hours of lecture per week. Co-requisite: BIOL 446. Prerequisites: BIOL 112, BIOL 132, one year of college chemistry, and Junior or Senior standing in Biology.	(3)
BIOL 448	Molecular Physiology and Biophysics Physiological, biochemical, and biophysical consideration of various cellular processes with special emphasis on molecular mechanisms in photosynthetic and respiratory reactions. Three hours of lecture per week. Prerequisites: Junior or Senior standing in Biology, one year of General Chemistry, one year of Organic Chemistry and one year of College Physics.	(3)
BIOL 450	Molecular Genetics In-depth study of the biochemistry and chemistry of genes including aspects of gene expression and that of biotechnology. Three hours of lecture per week. Prerequisite: Junior or Senior standing in Biology.	(3)
BIOL 451	Parasitology The study of parasites, their hosts, and the relationships between them as illustrated by the study of protozoans, helminths, nematodes and arthropods. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 451L. Prerequisites: One year of college level biology; BIOL 341.	(4)
BIOL 452	Intermediary and Cellular Metabolism Quantitative bioenergetics; patterns of breakdown and synthesis of cellular metabolite; metabolic and hormonal regulations; integration and pathological disorders; and relevance of metabolism to medicine. Three hours of lecture per week. Prerequisite: BIOL 340.	(3)
BIOL 454	Immunology Comprehensive overview of the immune system and immunological mechanisms. Two hours of lecture and three hours of laboratory per week. Co-requisite BIOL 454L. Prerequisite: Junior or Senior standing in Biology.	(3)
BIOL 460	Biostatistics Evaluation of the significance of the results of biological experiments, observations, and clinical data through statistical analysis. Three hours of lecture per week. Prerequisites: BIOL 112, BIOL 132, one year of college level mathematics, and Junior or Senior standing in Biology.	(3)
BIOL 461	Environmental Sampling and Analysis Sampling of water, air and other substances of ecological significance and their chemical and statistical analysis for suspected pollutants in Harris and other counties in Texas. Prerequisite: Junior or Senior standing in Biology.	(3)
BIOL 499	Biology Seminar Consideration of various biological problems and recent research. One hour of lecture per week. Prerequisite: Junior or Senior standing in Biology.	(1)

**CURRICULUM SUMMARY FOR BACHELOR OF SCIENCE DEGREE
IN BIOLOGY
COMPREHENSIVE CONCENTRATION
TOTAL CREDITS REQUIRED: 120 - 141 (depends on minor selected)**

CORE CURRICULUM* (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER RE- QUIREMENTS	MINOR REQUIREMENTS
42 credits	EQUIVALENT- VALENT	50 credits	28 credits	21 credits
Communication:		BIOL 111 (1)	CHEM 111 (1)	Contact Department of choice after being admitted as a Biology Major. Chemis- try is highly recommended as a minor for Biology majors***
ENG 131 (3)**	ENGL 1301	BIOL 112 (1)	CHEM 112 (1)	
ENG 132 (3)	ENGL 1302	BIOL 131 (3)	CHEM 211 (1)	
Mathematics:		BIOL 132 (3)	CHEM 212 (1)	
MATH 133 (3)	MATH 1314	BIOL 211 (1)	CHEM 231 (3)	
Life and Physical Sciences:		BIOL 212 (1)	CHEM 232 (3)	
CHEM 131 (3)	CHEM 1311	BIOL 231 (3)	MATH 136 (3)	
CHEM 132 (3)	CHEM 1312	BIOL 232 (3)	MATH 241 (4)	
Language, philosophy, and culture:		BIOL 338 (3)	MATH 231	
ENG 2xx (3)		BIOL 341 (4)	or BIOL 460 (3)	
Creative Arts:		BIOL 347 (4)	PHYS 213 (1)	
MUSI 131 or	MUSI 1301	BIOL 443 (4)	PHYS 214 (1)	
ART 131 (3)	ARTS 1316	BIOL 499 (1)	PHYS 237 (3)	
American History:		Plus 18 Upper Level BIOL credits selected from the following:	PHYS 238 (3)	
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/Political Science		BIOL 300 (1), BIOL 332 (3),		
POLS 235 (3)	GOVT 2305	BIOL 334 (3), BIOL 340 (3),		
POLS 236 (3)	GOVT 2306	BIOL 343 (3), BIOL 344 (4),		
Social and Behavioral Sciences:		BIOL 345 (1), BIOL 348 (4),		
PSY 131 or	PSYC 2301	BIOL 349 (3), BIOL 401 (1),		
SOC 157 or	SOCI 1301	BIOL 431 (3), BIOL 434 (3),		
SOC 158 (3)	SOCI 1306	BIOL 435 (3), BIOL 438 (3),		
Institutional Options:		BIOL 439 (3), BIOL 441 (4),		
CS 116 (3)	COSC 1300	BIOL 446 (1), BIOL 447 (3),		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	BIOL 448 (3), BIOL 450 (3),		
		BIOL 451 (4), BIOL 452 (3),		
		BIOL 454 (3), BIOL 461 (3)		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.** (N) represents the number of course credits.

*** In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM**

332 (3 credits). For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.

Note: Students interested in receiving a Bachelor of Science Degree in Biology and in teaching biology in grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "Minor Requirements." These courses include: EDCI 310 , EDCI 328, EDCI 339 , EDCI 350,

EDCI 464 , Reading 400 and Reading 402.

**BACHELOR OF SCIENCE DEGREE IN BIOLOGY
COMPREHENSIVE CONCENTRATION (WITH CHEMISTRY MINOR)
DEGREE PLAN - TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
			CS 116 Computer Science I Lec	3
	14 hrs		17 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 211 Cell Biology Lab	1	BIOL 338 Genetics	3
	BIOL 231 Cell Biology	3	BIOL 341 Organismic Biology	4
	BIOL 212 Developmental Biology Lab	1	CHEM 212 Organic Chemistry II lab	1
	BIOL 232 Developmental Biology	3	CHEM 232 Organic Chemistry II Lec	3
	CHEM 211 Organic Chemistry I Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	CHEM 231 Organic Chemistry I Lec	3	PSY 131 or SOC 157 or SOC 158 In- tro to Psychology or Sociology or Contemporary	3
	MATH 241 Calculus & Analytic Geometry I	4		
BIOL 300 - Seminar	1			
	17 hrs		17 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 347 Microbiology	4	BIOL Electives	4
	CHEM 322 Quantitative Analysis Lab	2	BIOL 443 Molecular Biology	4
	CHEM 332 Quantitative Analysis Lec	3	ENG 2xx Upper level English	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 235 American Political Systems I	3
	15 hrs		17 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BIOL Electives	7	BIOL Electives	7
	POLS 236 American Political Systems II	3	MATH 231 or BIOL 460 Elementary Statistics or Biostatistics	3
	PHYS 213 - College Physics lab I	1	PHYS 214 - College Physics Lab II	1
	PHYS 237 - College Physics I	3	PHYS 238 - College Physics II	3
	14 hrs		14 hrs	

**BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE-HEALTH PROFESSIONAL CONCENTRATION (WITH CHEMISTRY MINOR)
DEGREE PLAN - TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
			CS 116 Computer Science I Lec	3
	14 hrs		17 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 211 Cell Biology Lab	1	BIOL 338 Genetics	3
	BIOL 231 Cell Biology	3	BIOL 341 Organismic Biology	4
	BIOL 212 Developmental Biology Lab	1	CHEM 212 Organic Chemistry II lab	1
	BIOL 232 Developmental Biology	3	CHEM 232 Organic Chemistry II Lec	3
	CHEM 211 Organic Chemistry I Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	CHEM 231 Organic Chemistry I Lec	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	MATH 241 Calculus & Analytic Geometry I	4		
	16 hrs		17 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 340 Biochemistry of Biological Comp.	3	BIOL 441 Histology	4
	BIOL 347 Microbiology	4	BIOL 443 Molecular Biology	4
	CHEM 322 Quantitative Analysis Lab	2	ENG 2xx Upper level English	3
	CHEM 332 Quantitative Analysis Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	POLS 235 American Political Systems I	3
	HIST 231 Social & Political History of the United States to 1877	3		
		18 hrs		17 hrs
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BIOL 454 Immunology	3	BIOL 452 Intermediary and Cellular Metabolism	3
	MATH 231 or BIOL 460 Elementary Sta- tistics or Biostatistics	3	BIOL 447 Human Physiology	3
	POLS 236 American Political Systems II	3	PHYS 214 - College Physics Lab II	1
	PHYS 213 - College Physics lab I	1	PHYS 238 - College Physics II	3
	PHYS 237 - College Physics I	3	BIOL Elective	3
		13 hrs		13 hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN BIOLOGY PRE-HEALTH PROFESSIONAL CONCENTRATION
TOTAL CREDITS REQUIRED: 120 - 141 (depends on minor selected)**

CORE CURRICULUM* (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR CONCENTRATION
42 credits	EQUIVALENT-VALENT	50 credits	28 credits	21 credits
Communication:		BIOL 111 (1)	CHEM 111 (1)	Contact Department of choice after being admitted as a Biology Major. Chemistry is highly recommended as a minor for Biology majors***
ENG 131 (3)**	ENGL 1301	CHEM 112 (1)	CHEM 112 (1)	
ENG 132 (3)	ENGL 1302	CHEM 211 (1)	CHEM 211 (1)	
Mathematics:		BIOL 132 (3)	CHEM 212 (1)	
MATH 133 (3)	MATH 1314	CHEM 231 (3)	CHEM 231 (3)	
Life and Physical Sciences:		BIOL 212 (1)	CHEM 232 (3)	
CHEM 131 (3)	CHEM 1311	MATH 136 (3)	MATH 136 (3)	
CHEM 132 (3)	CHEM 1312	MATH 241 (4)	MATH 241 (4)	
Language, philosophy, and culture:		BIOL 338 (3)	MATH 231	
ENG 2xx (3)		PHYS 213 (1)	or BIOL 460 (3)	
Creative Arts:		PHYS 214 (1)	PHYS 213 (1)	
MUSI 131 or	MUSI 1301	PHYS 237 (3)	PHYS 214 (1)	
ART 131 (3)	ARTS 1316	PHYS 238 (3)	PHYS 237 (3)	
American History:		BIOL 443 (4)		
HIST 231 (3)	HIST 1301	BIOL 447 (3)		
HIST 232 (3)	HIST 1302	BIOL 452 (3)		
Government/Political Science		BIOL 454 (3)		
POLS 235 (3)	GOVT 2305	BIOL Elective (3)		
POLS 236 (3)	GOVT 2306			
Social and Behavioral Sciences:				
PSY 131 or	PSYC 2301			
SOC 157 or	SOCI 1301			
SOC 158 (3)	SOCI 1306			
Institutional Options:				
CS 116 (3)	COSC 1300			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM 332 (3 credits)**. For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.

**MAJOR/ASSOCIATED COURSES FOR
BACHELOR OF SCIENCE DEGREE IN
BIOLOGY ALL CONCENTRATIONS
BY LEVEL AND SEQUENCE**

Freshman First Semester

BIOL 111 (Biological Science Laboratory I), 1
cr BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry Laboratory I),
1cr CHEM 131 (General Chemistry I, Lecture),
3 cr MATH 133 (College Algebra), 3 cr

Second Semester

BIOL 112 (Biological Science Laboratory II), 1
cr BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry Laboratory II),
1cr CHEM 132 (General Chemistry II, Lecture),
3 cr MATH 136 (Plane Trigonometry), 3 cr

Sophomore First Semester

BIOL 211 (Cell Biology Laboratory), 1 cr
BIOL 212 (Developmental Biology Laboratory), 1 cr
BIOL 231 (Cell Biology), 3 cr
BIOL 232 (Developmental Biology), 3 cr
CHEM 211 (Organic Chemistry Laboratory I), 1 cr
CHEM 231 (Organic Chemistry I, Lecture), 3 cr
MATH 241 (Calculus and Analytic Geometry I), 4 cr

Second Semester

BIOL 338 (Genetics), 3 cr
BIOL 341 (Organismic Biology), 4 cr
CHEM 212 (Organic Chemistry Laboratory II), 1 cr
CHEM 232 (Organic Chemistry II, Lecture), 3 cr

Junior First Semester

BIOL 347 (Microbiology), 4 cr
CHEM 322 (Quantitative Analysis Laboratory), 2 cr
CHEM 332 (Quantitative Analysis), 3 cr

Second Semester

BIOL 443 (Molecular Biology), 4 cr
Biology electives, 4 cr

Senior First Semester

PHYS 215 (General Physics Laboratory I), 1 cr
PHYS 237 (General Physics for Life Science Students I), 3 cr
Biology electives, 7 cr

Second Semester

PHYS 216 (General Physics Laboratory II), 1 cr
PHYS 238 (General Physics for Life Science Students II), 3 cr
MATH 231 (Elementary Statistics) or BIOL 460 (Biostatistics), 3 cr
Biology electives, 6 cr

**CURRICULUM SUMMARY FOR
2-YEAR PRE-NURSING CURRICULUM TOTAL CREDITS REQUIRED: 71**

CORE CURRICULUM* (STANDARD)	PRE-NURSING
44 credits	20 credits
ENG 131 (3)**	BIOL 136 (3); BIOL 136L (1)
ENG 132 (3)	BIOL 246 (4)
SC 135 or 136 (3)	FN 233 (3)
MATH 133 (3)	PSY 131 (3)
CHEM 111, 131 (4)	PSY 234 (3)
BIOL 135 (3); BIOL 135L (1)	SOCW 345 (3)
PHIL 231 (3)	
Visual & Performing Arts (3)***	
HIST 231 (3)	
HIST 232 (3)	
POLS 235 (3)	
POLS 236 (3)	
SOC 157 (3)	
CS 116 (3)	

NOTE: It is the responsibility of the student to apply to the degree program of their choice. Completion of TSU's Pre-Nursing program does not guarantee acceptance to any institutions offering a Nursing degree. Some institutions may have additional requirements. The student is responsible for contacting the professional schools of their choice to determine the specific admission requirements.

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

The above courses satisfy the prerequisites for the Nursing Programs at Prairie View A&M University, University of Texas Medical Branch (UTMB) at Galveston and University of Texas at Houston.

Please note requirements for other schools' programs below:

Texas Woman's University (TWU): Literature can be substituted for PHIL 231.

Houston Baptist University (HBU): Six hours of foreign language is required to satisfy the Humanities requirements (Spanish is recommended). FN 233 is not required.

MAJOR/ASSOCIATED COURSES FOR 2-YEAR PRE-NURSING CURRICULUM BY LEVEL AND SEQUENCE

Freshman First Semester

ENG 131 (Freshman English I), 3 cr
BIOL 135 (Human Anatomy and Physiology I), 3 cr
BIOL 135L (Human Anatomy and Physiology Laboratory I), 1 cr.
MATH 133, 3 cr
SOC 157 (Introduction to Sociology), 3 cr

Second Semester

ENG 132 (Freshman English II), 3 cr
BIOL 136 (Human Anatomy and Physiology II), 3 cr
BIOL 136L (Human Anatomy and Physiology II Laboratory), 1 cr.
BIOL 246 (Microbiology for Health Related Professions), 4 cr
CHEM 111 (General Chemistry Laboratory I), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr

First Summer Session

HIST 231 (Social and Political History of the United States to 1877), 3 cr
POLS 235 (American Political Systems I), 3 cr

Second Summer Session

HIST 232 (Social and Political History of the United States since 1877), 3 cr
POLS 236 (American Political Systems II), 3 cr

Sophomore First Semester

PSY 131 (General Psychology), 3 cr
FN 233 (Elementary Nutrition), 3 cr
PHIL 231 (Introduction to Philosophy), 3 cr
SOCW 345 (Human Behavior in the Social Environment I), 3 cr

Second Semester

PSY 234 (Elementary Statistics), 3 cr
CS 116 (Introduction to Computer Science I), 3 cr
SC 135 (Business and Professional Communication), 3 cr, **or**
SC 136 (Public Address), 3 cr
Visual & Performing Arts, 3 cr

COURSE ROTATION SCHEDULE

X indicates a course shall be offered

COURSE NUMBER	COURSE NAME	PREREQUISITE	COREQUISITE	FALL	SPRING	SUMMER
BIOL 111	Biological Science Laboratory I		BIOL 131	X	X	X
BIOL 112	Biological Science Laboratory II	BIOL 111	BIOL 132	X	X	X
BIOL 131	Biological Science I		BIOL 111L	X	X	X
BIOL 132	Biological Science II	BIOL 111, BIOL 131	BIOL 112L	X	X	X
BIOL 135	Human Anatomy and Physiology I	BIOL 112, BIOL 132	BIOL 135 L	X		
BIOL 136	Human Anatomy and Physiology II	BIOL 135	BIOL 136L		X	
BIOL 143	Survey of Life Science		BIOL143L	X	X	X
BIOL 211	Cell Biology Laboratory		BIOL 231	X	X	
BIOL 212	Developmental Biology Laboratory		BIOL 232	X	X	
BIOL 231	Cell Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132 and 1 year of college level chemistry	BIOL 211	X	X	
BIOL 232	Developmental Biology	BIOL 111, BIOL 112, BIOL 131, and BIOL 132	BIOL 212	X	X	
BIOL 245	Human Anatomy and Physiology	One year of college level biology (BIOL 143 does not qualify in meeting this prerequisite).	BIOL 245L	X	X	
BIOL 246	Microbiology for Health Related Professions	BIOL 135 and BIOL 136	BIOL 246L		X	
BIOL 300	Seminar for Health Related Professions	BIOL 111, BIOL 112, BIOL 131, BIOL 132		X	X	
BIOL 332	Bioinformatics		BIOL 332L	X		
BIOL 334	Conservation Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132				X
BIOL 338	Genetics	Two years of College level biology and one year of college level chemistry		X		
BIOL 340	Biochemistry of Biological Compound	One year of college level biology and one year of college level chemistry		X		
BIOL 341	Organismic Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 341L	X	X	
BIOL 343	Ecology	BIOL 111, BIOL 112, BIOL 131, BIOL 132			X	
BIOL 344	Vertebrate Anatomy and Histology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 344L			
BIOL 345	Ecology Laboratory	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 343		X	

COURSE NUMBER	COURSE NAME	PREREQUISITE	COREQUISITE	FALL	SPRING	SUMMER
BIOL 347	Microbiology	One year of college level biology and organic chemistry I & II	BIOL 347L	X	X	
BIOL 348	Experiments in Biology II				X	
BIOL 349	Entomology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 349L			X
BIOL 401	Undergraduate Research	Consent of the Faculty Chair		X	X	
BIOL 434	Evolutionary Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132				X
BIOL 435	History & Philosophy of Science	Senior Standing				X
BIOL 438	Plant Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 438L			X
BIOL 439	Principles of Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 439 L			X
BIOL 441	Histology	BIOL 231 or BIOL 232 or BIOL 341	BIOL 441L		X	
BIOL 443	Molecular Biology	Two years of college level biology and two years of college level chemistry	BIOL 443 L	X		
BIOL 446	Human Physiology Laboratory	BIOL 112 and BIOL 132	BIOL 447		X	
BIOL 447	Human Physiology	One year of college level biology and organic chemistry	BIOL 446		X	
BIOL 448	Molecular Physiology & Biophysics	Junior or Senior standing in Biology, one year of General Chemistry, one year of Organic Chemistry and one year of College Physics.				X
BIOL 450	Molecular Genetics	Junior or Senior standing in Biology			X	
BIOL 451	Parasitology	One year of college level biology; BIOL 341	BIOL 451L			X
BIOL 452	Intermediary and Cellular Metabolism	BIOL 340			X	
BIOL 454	Immunology	Senior standing in Biology	BIOL 454L	X	X	
BIOL 460	Biostatistics	BIOL 112, BIOL 132 and one year of college level mathematics		X		
BIOL 461	Environmental Sampling	Junior or Senior standing in Biology				X
BIOL 499	Biology Seminar	Junior or Senior standing in Biology.		X		

DEPARTMENT OF CHEMISTRY

Through the Department of Chemistry, courses (CHEM) are offered at the undergraduate level for students pursuing the Bachelor of Science Degree (B.S.) in Chemistry, for students majoring in other disciplines wishing to pursue a minor in Chemistry, and for students in other academic areas requiring some preparation in Chemistry. Although only one undergraduate degree (the Bachelor of Science in Chemistry) is offered, two concentrations leading to this degree are possible for majors: (1) an American Chemical Society (or ACS) approved concentration and (2) a pre-medical and a pre-dental concentration. Both concentrations are composite programs of study, and neither concentration requires the declaration of an official minor in another academic discipline. The ACS approved concentration is designed to prepare students for professional careers as chemists and to ensure their preparation for graduate study. Members of the Department are housed on the fourth floor of the New Science Building with the Department Office located in Suite 403.

At the graduate level, one degree is offered: the Master of Science (M.S.) in Chemistry. The admission criteria, requirements, and graduate courses associated with this degree are described in the Graduate School Bulletin of Texas Southern University.

Overall, the Department of Chemistry seeks to fulfill two primary missions: (1) to prepare students for professional careers in Chemistry and, eventually, graduate study; and (2) to give students, who are majoring in related fields, an understanding of fundamental principles and experimental techniques that will permit them to be successful in their chosen majors. Specific requirements for the B.S. in Chemistry, as well as the minor in Chemistry, are described below.

Students wishing to pursue either the B.S. in Chemistry or an undergraduate minor in Chemistry must first gain admission to the University, must satisfy The New TSI Assessment requirements or equivalent and eradicate identified deficiencies, and must contact the Department Office regarding the declaration of a major or minor as The New TSI Assessment requirements or equivalent are fulfilled. Although the Department has no specific criteria for accepting students as majors, it does have criteria for continuance once the major in Chemistry is declared. In order to remain as a candidate in good standing for the Bachelor of Science in Chemistry, a student must have an overall GPA of at least 2.50 with respect to courses taken in the following academic disciplines: Chemistry, Mathematics, and Physics. Students whose overall averages in these academic disciplines fall below 2.50 for two consecutive semesters and students who fail individual courses in these targeted areas more than once will be required to seek another major. **All required Chemistry (CHEM) courses must be completed with grades of "C" or better, where grades of "C-" are unacceptable, to qualify for graduation. After having completed all required chemistry courses, with the exception of Physical Chemistry II, lecture and laboratory, Inorganic Chemistry II and Instrumental Analysis, students will be required to take the Major Field test in Chemistry. Based on the student's performance, they are further advised.**

For a minor in Chemistry, twenty-one (21) semester credit hours are required through enrollment in the following courses: CHEM 111, CHEM 112, CHEM 131, CHEM 132, CHEM 211, CHEM 212, CHEM 231, CHEM 232, CHEM 322, and CHEM 332. **Students are required to earn grades of "C" or better, where grades of "C-" are unacceptable, in all of these courses.**

Each major in the Department is assigned a faculty advisor, and this advisor must approve the schedule of courses for assigned students each semester. Majors are expected to keep the Department Office informed of their current local addresses and telephone numbers up to the time of graduation. By the start of the first semester of their senior year, majors should have their transcripts evaluated by the Faculty Chair to ascertain graduation status and to assure that they are eligible for degree conferral at the end of the senior year.

In summary, interested students must first gain admission to the University, must fulfill The New TSI Assessment requirements or equivalent, and must contact the Department Office with regard to the declaration of a major and/or minor and graduation requirements. An exit examination is required of graduating seniors. For further information, the Department Office should be contacted at (713)313-7003.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Clement, Jade Q. Associate Professor M.D., Shandong Medical University M.S., Chinese Academy of Preventive Medicine Ph.D., University of Texas at Houston</p>	<p>Sapp, John B. Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>
<p>Deng, Yuanjian Professor B.S., Wuhan University M.S., Chinese Academy of Sciences Ph.D., University of Houston</p>	<p>Wei, Jacob X. Associate Professor B.S., Nanjing University Ph.D. Nanjing University</p>
<p>Fennell, Pearlie Professor B.S., Huston-Tillotson College M.S., Texas Southern University Ph.D., University of Texas at Houston</p>	<p>Wilkerson, Daryl F. Instructor/Laboratory Coordinator B.S., Texas Southern University M.S. Texas Southern University</p>
<p>Good, Sonya L. Associate Professor B.S., Jackson State University Ph.D., Louisiana State University</p>	<p>Wilson, Bobby L. Professor B.S., Alabama State University M.S., Southern University Ph.D., Michigan State University</p>
<p>Saleh, Mahmoud Professor B.S., M.S., University of Cairo Ph.D., University of California at Davis</p>	

CHEMISTRY COURSES

- CHEM 111** **General Chemistry Laboratory I** (1)
Introduction to the methods and techniques of chemical experimentation. Three hours of laboratory per week. Prerequisite: Credit for or concurrent enrollment in CHEM 131. **Listed as CHEM 1111 in the Texas Common Course Numbering System.**
- CHEM 112** **General Chemistry Laboratory II** (1)
Continuation of CHEM 111. Three hours of laboratory per week. Prerequisites: CHEM 111 and credit for or concurrent enrollment in CHEM 132. **Listed as CHEM 1112 in the Texas Common Course Numbering System.**
- CHEM 131** **General Chemistry I** (3)
Introduction to modern theories of atomic structure, periodic trends, chemical bonding, molecular geometry, chemical reactions, including oxidation-reduction and stoichiometric calculations. Three hours of lecture per week. Co-requisite: MATH 133 or MATH 136. **Listed as CHEM 1311 in the Texas Common Course Numbering System.**
- CHEM 132** **General Chemistry II** (3)
Study of the states of matter, solution chemistry, concepts associated with rates of reaction, homogeneous and heterogeneous equilibria, acid-base chemistry, and fundamental thermodynamics. Three hours of lecture per week. Prerequisites: CHEM 131 and MATH 133 or MATH 136. **Listed as CHEM 1312 in the Texas Common Course Numbering System.**
- CHEM 211** **Organic Chemistry Laboratory I** (1)
Introduction to the techniques involved in the separation, purification, isolation, and characterization of typical organic compounds. An introduction to organic synthesis. Three hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 231. **Listed as CHEM 2123 in the Texas Common Course Numbering System.**
- CHEM 212** **Organic Chemistry Laboratory II** (1)
Multistep synthesis and introduction to the interpretation of infrared and nuclear magnetic resonance spectra. Three hours of laboratory per week. Prerequisites: CHEM 211 and credit for or concurrent enrollment in CHEM 232. **Listed as CHEM 2125 in the Texas Common Course Numbering System.**
- CHEM 231** **Organic Chemistry I** (3)
Course for science majors dealing with the fundamentals of structure (including stereochemistry), nomenclature, physical properties, and chemical reactions of aliphatic and aromatic hydrocarbons and their derivatives. Three hours of lecture per week. Prerequisite: CHEM 132. **Listed as CHEM 2323 in the Texas Common Course Numbering System.**
- CHEM 232** **Organic Chemistry II** (3)
Continuation of CHEM 231. Study of the structure (including stereochemistry), nomenclature, physical and chemical properties, and reactions of aromatic compounds, including aldehydes, ketones, carboxylic acids, phenols and amines. Three hours of lecture per week. Prerequisite: CHEM 231. **Listed as CHEM 2325 in the Texas Common Course Numbering System.**
- CHEM 322** **Quantitative Analysis Laboratory** (2)
Practical applications of theory dealing with volumetric and gravimetric analyses. Four hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 332.
- CHEM 332** **Quantitative Analysis** (3)
Study of reactions in solution, homogeneous and heterogeneous equilibrium concepts, and acid-base theory and the application of these concepts to volumetric and gravimetric analysis. Three hours of lecture per week. Prerequisite: CHEM 132.

CHEM 343	Biochemistry Course for human services/consumer sciences majors. Study of the chemistry of carbohydrates, proteins, lipids, digestion, and metabolism. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 231.	(4)
CHEM 411	Physical Chemistry Laboratory I Course involving application of the theory of physical chemistry to experimental procedures. An introduction of the use of computers to solve chemistry problems and to write laboratory reports. Three hours of laboratory per week. Prerequisites: CS 116, CHEM 322, and credit for or concurrent enrollment in CS 117, CHEM 431, and MATH 241.	(1)
CHEM 412	Physical Chemistry Laboratory II Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.	(1)
CHEM 431	Physical Chemistry I Study of important theory associated with states of matter, changes of state, chemical equilibria, thermochemistry, and thermodynamics. An introduction to vibration and rotational spectra. Three hours of lecture per week. Prerequisites: CHEM 232, CHEM 332, PHYS 238, and previous credit for or concurrent enrollment in MATH 241.	(3)
CHEM 432	Physical Chemistry II Continuation of CHEM 431. Three hours of lecture per week. Prerequisites: CHEM 431 and previous credit for or concurrent enrollment in MATH 242.	(3)
CHEM 445	Biochemistry Structure, physical properties, and chemical reactions of lipids, proteins, enzymes, and vitamins. An in-depth study of the processes of digestion and metabolism. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 212 and CHEM 232.	(4)
CHEM 450	Inorganic Chemistry I Upper-level course covering an in-depth study of inorganic compounds, including coordination theory, molecular-orbital theory, and ligand-field theory. Three hours of lecture per week. Prerequisites: MATH 242 and credit for or concurrent enrollment in CHEM 431 or consent of the Faculty Chair.	(3)
CHEM 451	Inorganic Chemistry II Upper-level course covering an in-depth study of the chemical elements and their compounds, including their structure, physical properties, methods of preparation, chemical reactions, and uses. Two hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 450 or approval of the Faculty Chair.	(3)
CHEM 453	Instrumental Methods Essentials of instrumental chemical analysis. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 322, CHEM 332, credit for or concurrent enrollment in CHEM 411, and CHEM 431.	(3)
CHEM 454	Research Upper-level chemistry majors select a problem for investigation in one or a combination of several areas of chemistry under the supervision of a member of the faculty designated by the Faculty Chair of the Department. Prerequisites: CHEM 132, CHEM 232, CHEM 332, CHEM 432, or approval of the Faculty Chair.	(3)
CHEM 476	Organic Mechanisms Study of the reaction intermediates and the mechanisms associated with the important, in vitro substitution, elimination, and addition reactions of aliphatic and aromatic molecules. Three hours of lecture per week. Prerequisite: CHEM 232.	(3)

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE
IN CHEMISTRY AMERICAN CHEMICAL SOCIETY (ACS) APPROVED CONCENTRATION
TOTAL CREDIT REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (CHEMISTRY)	OTHER REQUIREMENTS	
42 credits	TCCNS	40 credits	40 credits	
Communication:		CHEM 111 (1)	BIOL 111 (1)	
ENG 131 (3) **	ENGL 1301	CHEM 112 (1)	BIOL 112 (1)	
ENG 132 (3)	ENGL 1302	CHEM 211, 231 (4)	BIOL 131 (3)	
Mathematics:		CHEM 212, 232 (4)	BIOL 132 (3)	
MATH 136 (3)	MATH 2312	CHEM 322, 332 (5)	CHEM 4XX (3)	
Life and physical sciences:		CHEM 411, 431 (4)	CS 117 (3)	
CHEM 131 (3)	CHEM 1311	CHEM 412, 432 (4)	MATH 241 (4)	
CHEM 132 (3)	CHEM 1312	CHEM 445 (4)	MATH 242 (4)	
Language, philosophy, and culture:		CHEM 450 (3)	MATH 243 (4)	
ENG 2xx (3) ***		CHEM 451 (3)	MATH 251 (3)	
Creative arts:		CHEM 453 (3)	PHYS 152 (3)	
MUSIC 131 or ART 131 (3)	MUSI 1301 or ARTS 1316	CHEM 454 (3)	PHYS 217, 251 (4)	
American history:		CHEM 499 (1)	PHYS 218, 252 (4)	
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 or SOC 157 (3)	PSYC 2301 or SOCI 1301			
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116(3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
AMERICAN CHEMICAL SOCIETY (ACS) APPROVED CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 136 Precalculus Mathematics	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	14 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II lab	1
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	MATH 242 Calculus & Analytic Geometry. II	4	MATH 243 Calculus & Analytic Geometry III	4
	ENG 2xx Upper level English	3	CS 117 Computer Science II Lec	3
	CS 116 Computer Science I Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	PHYS 152 University Physics I Lec.	3
	17 hrs		17 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CHEM 322 Quantitative Analysis Lab	2	CHEM 445 Biochemistry	4
	CHEM 332 Quantitative Analysis Lec	3	POLS 236 Texas Government	3
	MATH 251 Differential Equations	3	PHYS 252 University Physics III Lec.	3
	POLS 235 American Government	3	PHYS 218 University Physics III Lab	1
	PHYS 251 University Physics II Lec	3	PSY 131 or SOC 157 Intro to Psychology or Sociology	3
	PHYS 217 University Physics II Lab	1	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3
	15 hrs		17 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	CHEM 454 Research	3	CHEM 453 Instrumental Analysis	3
	CHEM 499 Seminar	1	CHEM 4xx	3
	SC 135 or 136 Business & Professional Communication or Public Address	3		
	14 hrs		13 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE
IN CHEMISTRY PRE-MEDICAL AND PRE-DENTAL CONCENTRATION
TOTAL CREDIT HOURS: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (CHEMISTRY)	OTHER REQUIREMENTS
42 credits	TCCNS	37 credits	41 credits
Communication:		CHEM 111 (1)	BIOL 111, 131 (4)
ENG 131 (3) **	ENGL 1301	CHEM 112 (1)	BIOL 112, 132 (4)
ENG 132 (3)	ENGL 1302	CHEM 211, 231 (4)	BIOL 211, 231 (4)
Mathematics:		CHEM 212, 232 (4)	BIOL 245 (4)
MATH 136 (3)	MATH 2312	CHEM 322, 332 (5)	BIOL 460 (3)
Life and physical sciences:		CHEM 411, 431 (4)	CS 117 (3)
CHEM 131 (3)	CHEM 1311	CHEM 412, 432 (4)	MATH 241 (4)
CHEM 132 (3)	CHEM 1312	CHEM 445 (4)	MATH 242 (4)
Language, philosophy, and culture:		CHEM 450 (3)	PHYS 213, 237 (4)
ENG 2xx (3) ***		CHEM 451 (3)	PHYS 214, 238 (4)
Creative arts:		CHEM 453 (3)	ELECTIVE xxx (3)
MUSIC 131 or ART 131 (3)	MUSI 1301 or ARTS 1316	CHEM 499 (1)	
American history:			
HIST 231 (3)	HIST 1301		
HIST 232 (3)	HIST 1302		
Government/political science:			
POLS 235 (3)	GOVT 2305		
POLS 236 (3)	GOVT 2306		
Social and behavioral sciences:			
PSY 131 or SOC 157 (3)	PSYC 2301 or SOCI 1301		
Institutional Options:			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 116(3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
PRE-MEDICAL AND PRE-DENTAL CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab
CHEM 131 General Chemistry I Lec		3	CHEM 132 General Chemistry II Lec	3
MATH 136 Precalculus Mathematics		3	MATH 241 Calculus & Analytic Geometry I	4
BIOL 111 Biological Science I Lab		1	BIOL 112 Biological Science II Lab	1
BIOL 131 Biological Science I Lec		3	BIOL 132 Biological Science II Lec	3
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
	14 hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II Lab
CHEM 231 Organic Chemistry I Lec		3	CHEM 232 Organic Chemistry II Lec	3
MATH 242 Calculus & Analytic Geometry II		4	Elective xxx	3
HIST 231 Social & Political History of the United States to 1877		3	MUSI 131 or Art 131 Introduction to Music or Drawing & Composition I	3
CS 116 Introduction to Computer Science I		3	CS 117 Introduction to Computer Science II	3
ENG 2xx (Any 200 level course)		3	HIST 232 Social & Political History of the United States since 1877	3
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CHEM 322 Quantitative Analysis Lab	2	CHEM 445 Biochemistry
CHEM 332 Quantitative Analysis Lec		3	POLS 236 Texas Government	3
POLS 235 American Government		3	PHYS 238 College Physics II Lec	3
PHYS 213 College Physics I Lab		1	PHYS 214 College Physics II Lab	1
PHYS 237 College Physics I Lec.		3	BIOL 211 Cell Biology Lab	1
PSY 131 or SOC 157 Gen. Psy or Intro Soc.		3	BIOL 231 Cell Biology Lec	3
			CHEM 499 Seminar	1
	15 hrs		16 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab
CHEM 431 Physical Chemistry I Lec		3	CHEM 432 Physical Chemistry II Lec	3
CHEM 450 Inorganic Chemistry I		3	CHEM 451 Inorganic Chemistry II	3
SC 135 or 136 Business & Professional Communication or Public Address		3	CHEM 453 Instrumental Analysis	3
BIOL 460 Biostatistics		3	BIOL 245 Human Anatomy & Physiology	4
	13 hrs		14 hrs	

TWO YEAR COURSE ROTATION SCHEDULE

X indicates a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL		SUM	FALL		SUM		
			EVEN YEAR		ODD YEAR	ODD YEAR	EVEN YEAR			
Chem 111	Gen. Chem. Lab I	1	X	X	X	X	X	X		
Chem 112	Gen. Chem. Lab II	1	X	X	X	X	X	X	Chem 111	
Chem 131	Gen. Chem. I	3	X	X	X	X	X	X		Math 133 or Math 136
Chem 132	Gen. Chem. II	3	X	X	X	X	X	X	Chem 131	Math 133 or Math 136
Chem 211	Organic Chem. Lab I	1	X	X	X	X	X	X	Chem 111, 112	Chem 231
Chem 212	Organic Chem. Lab II	1	X	X	X	X	X	X	Chem 211	Chem 232
Chem 231	Organic Chem I	3	X	X	X	X	X	X	Chem 132	
Chem 232	Organic Chem. II	3	X	X	X	X	X	X	Chem 231	
Chem 322	Quan. Analysis Lab	2	X	X		X	X		Chem 111, 112	Chem 332
Chem 332	Quan. Analysis	3	X	X		X	X		Chem 132	
Chem 343	Biochemistry	4	X			X			Chem 231	
Chem 411	Physical Chem. Lab I	1	X			X			CS 116 Chem 322	CS 117, Chem 431, Math 241
Chem 412	Physical Chem. Lab II	1		X					CS 117 CHEM 411	Chem 432
Chem 431	Physical Chem. I	3	X			X			CHEM 232,332, *Phys 251	Math 241
Chem 432	Physical Chem. II	3		X			X		Chem 431	Math 242
Chem 445	Biochemistry	4		X			X		Chem 232	
Chem 450	Inorganic Chem I	3	X			X			Math 242 (Consent)	Chem 431
Chem 451	Inorganic Chem II	3		X		X			Chem 450 (Consent of Chair)	
Chem 453	Instrumental Methods	3		X		X			Chem 322, 332	Chem 411, 431
Chem 454	Research	3	X	X	X	X	X	X	Chem 132,232, Chem 332, 432	
Chem 476	Organic Mechanisms	3	X						Chem 232	
Chem 477	Environmental Chemistry	3		X					Chem 232	
Chem 478	Polymer Chemistry	3				X			Chem 232	
Chem 479	Biological Inorganic Chemistry	3					X		Chem 445, 232	
Chem 499	Seminar	1	X	X		X	X		Chem 232	

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR		SUM ODD YEAR	FALL ODD YEAR		SUM EVEN YEAR		
			*Physics 237, 238 required for pre-med, pre-dental CONCENTRATION							
			* Physics 251, 252 required for ACS CONCENTRATION							

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science prepares students for careers in the computing industries and advanced study. The curriculum ensures that students are exposed to the most current knowledge, theories, and principles in software development, embedded systems, hardware architectures, and network theory and applications. The curriculum provides for an understanding of the applications of theories and concepts by evolving the students in research and applications development projects. The curriculum is designed to enhance the problem solving and creative thinking capabilities of students so that they have a set of skills that will increase their employment opportunities and provides the foundation for graduate study and research. The educational objectives of the computer science program are as follows:

1. To prepare students to be capable of identifying and analyzing requirements for computing systems;
2. To produce graduates who are capable of designing and implementing solutions for rapidly changing computing problems and information system environments;
3. To prepare graduates with good communication skills and who are able to effectively work in teams;
4. To produce graduates who are capable of gauging the impact of computing on society, and possess knowledge of the ethical, social and professional implications and responsibilities of their work; and
5. To prepare students to engage in life-long learning, to adapt to innovation and change, and to successfully pursue professional work and graduate studies.

The Department of Computer Science offers programs that lead to the Bachelor of Science (B.S.) in Computer Science degree and the Master of Science (M.S.) in Computer Science degree. Students majoring in other disciplines are encouraged to pursue a minor in computer science, since virtually all employers are critically dependent upon computers. Significant opportunities for employment and graduate study are also available for students in other information technology enabled fields and organizations for students with a minor in computer science.

These programs are designed to prepare graduates for productive work in highly complex computing environments in business, industry, and government. In recent years, many graduates of the program have obtained positions in business applications, software development, computational science and applied mathematics, and have gone to graduate school. Students majoring in computer science should set their goals to become expert software developers and to have developed the following abilities:

1. To apply knowledge of computing, mathematics, science, and business appropriate to the discipline, including the ability to analyze and evaluate performance tradeoffs of algorithms, data structures, and hardware solutions;
2. To analyze a problem, and identify and define the computing requirements appropriate to its solution;
3. To design, implement and evaluate computing systems, processes, components, or programs to meet desired needs;
4. To function effectively on teams to accomplish a common goal;
5. To understand the professional, ethical, legal, security, social issues and responsibilities of the profession;
6. To communicate effectively with a range of audiences;
7. To analyze the local and global impact of computing on individuals, organizations and society;
8. To recognize the need for, and an ability to engage in, continuing professional development;
9. To use current techniques, skills, and tools necessary for computing practices;
10. To apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the risks and tradeoffs involved in design choices; and
11. To apply design and development principles in the construction of software systems of varying complexity.

Realizing that students pursuing a bachelor's degree in computer science may have different career goals, the Department of Computer Science offers two concentration to the bachelor's degree in Computer Science.

Concentration 1: The Bachelor of Science (B.S) in Computer Science concentration I is designed for students who plan to focus on software development and require a broad fundamental education to allow them to address many areas of computing applications when they graduate. They may work in cooperation with professionals trained in areas other than computer science and may need to have knowledge in several subject areas. Students who major in Computer Science and prefer to follow this concentration will have elective courses that can be in computer science or any other academic discipline. The curriculum of this concentration is designed to provide students with in-depth computer science knowledge, but broadens it with additional knowledge from another field of their choice. This improves their competitiveness in the job market especially for jobs requiring interactions and communications with others of different educational backgrounds.

Concentration 2: The Bachelor of Science (B.S.) in Computer Science with computer networks concentration concentration is designed for students who plan to work in the rapidly growing field of computer networks. The curriculum of this concentration is

designed to provide students with the same breadth of computer science knowledge as concentration I, but with more depth in the area of computer networks. Once they graduate, students pursuing this concentration will be ready to apply for leading industry certificates such as the Cisco Certified Network Associate (CCNA) certificate which improves their competitiveness in today's challenging job market where networking is an essential ingredient of almost every business.

The requirements for the Bachelor of Science (B.S.) in Computer Science are summarized at the end of this section along with the sequence in which major courses must be taken for each concentration. **Students must earn grades of "C" or better in all courses specific to their major in computer science.**

Each student must be admitted by the Department as a major before attempting to meet all of the requirements for the degree. The admissions procedures are under continual review by the Departmental Curriculum and Admissions Committee. Interested students are asked to contact the Department Office during their freshman year in order to gain admission as majors. Students are responsible for completing ASSET requirements and prerequisites administered through the Student Academic Enhancement Services prior to admission to the department. The Department offices and facilities are housed on the third floor of New Technology Building with the Department Office located in Room 314 and the Department website is <http://cs.tsu.edu>.

Students transferring to the University are cautioned that computer science credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the major in computer science. These credits may or may not be acceptable. If these credits are judged to be unacceptable by the Department, students may be able to use them to fulfill some elective requirements.

Students pursuing the B.S. in Computer Science for the first concentration should seek detailed advisement from their designated advisors when selecting the elective courses required for this concentration.

For a Computer Science minor, twenty-one (21) semester credit hours are required through following one of the following two concentrations:

- **Concentration I:** enrollment in the following courses: CS 120, CS 124, CS140, CS 241, CS 243, CS 246 and one additional junior/senior level CS course of choice.
- **Concentration II:** enrollment in the following courses: CS 120, CS 124, CS 243, CS 250, CS 251, CS 350, and CS 351.

Prior to pursuing the CS minor, students must seek advisement and approval from the Department Office. Students must earn grades of "C" or better in all courses specific to the minor in computer science.

In order for students to pursue either majors or minors in the Department, they must petition for admission to the Department by completing the appropriate form which is available through the Department Office. The petition must be returned to the Department Office and must be reviewed by the Departmental Curriculum and Admissions Committee. Students must have completed the courses listed below or their equivalents:

English 131 Freshman English I

Math 136 Pre-Calculus Mathematics

CS 120 Introduction to Computers and Problem Solving

CS 124 Fundamentals of Machine Computation

Each student applying for major or minor status must have an overall grade point average (GPA) of 2.50 or better and must have earned grades of "C" or better (grades of "C-" are unacceptable) in the above courses. The petition must be returned to the Department Office by the appropriate deadlines given below to be considered by the Departmental Curriculum and Admissions Committee:

October 15 during Fall

March 15 during Spring June 15 during Summer

The number of students admitted to major and minor status on an ongoing basis is dependent upon the availability of resources on a year-to-year basis, on performance in the four courses targeted above, and on overall GPA earned. Preference will be given to students earning the highest overall GPA above the required minimum of 2.50. Each student will be notified of the decision of the Departmental Curriculum Admissions Committee with regard to his/her status approximately one month after the above deadlines.

Once students have been admitted to the Department as major or minor status, they are each expected to maintain an overall GPA of 2.25 or better, or they could be dismissed from the Department if more than thirty (30) semester credit hours are still required for graduation. If an individual GPA falls below 2.25 and students are within thirty (30) semester credit hours of graduation, they must contact the department advisor for a plan of action.

Upon admission to the Department, students are each assigned an official advisor. They are expected to keep the Department Office informed of changes in address and/or telephone numbers up to the time of graduation.

In summary, an interested student must first gain admission to the University; must meet his/her TSI responsibility; and finally, must apply for admission to the Department once prerequisites and TSI requirements have been met. Acceptance to major standing is not automatic, but subject to the decision of a Departmental Curriculum and Admissions Committee. Each student is provided with extensive advisement once admitted to the Department before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the Department Office at (713)313-7991 or to cs@tsu.edu.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Criner, Oscar Professor Ph.D., University of California at Berkeley B.S., Howard University</p>	<p>Li, Wei Wayne Professor and Interim Chair Ph.D., Chinese Academy of Sciences M.S., Hebei University of Technology B.S., Shaanxi Normal University</p>
<p>Ghemri, Lila Associate Professor Ph.D., University of Bristol B.S., University of Algiers</p>	<p>Lin, Cheng-Feng Assistant Professor M.S., University of Texas at Arlington B.S., North East Missouri University</p>
<p>Handy Maribel Instructor M.S., Clark Atlanta University B.A., Clark Atlanta University</p>	<p>Pan. Miao Assistant Professor Ph.D., University of Florida M.S., Beijing University of Posts and Telecommunications B.S., Dalian University of Technology</p>
<p>Javadian, Mohsen Associate Professor M.S., University of Houston-Clear Lake B.S., Texas Southern University</p>	<p>Singh, Tarsem Professor Ph.D., Texas A&M University M.S., San Jose State University B.S., San Jose State University</p>
<p>Kamel, Khaled Professor Ph.D., University of Cincinnati M.S. University of Cincinnati M.S., University of Waterloo B.S., Ain-Shams University B.S., Cairo University</p>	<p>Sleem, Aladdin Associate Professor Ph.D., University of Louisville M.S., University of Louisville M.B.A., Maastricht School of Management B.S., Cairo University</p>
<p>Khan, M. Farrukh Associate Professor Ph.D., Purdue University M.S., University of Southern Mississippi B.S., California Institute of Technology</p>	

COMPUTER SCIENCE UNDERGRADUATE COURSES

- CS 116 Introduction to Computers and Their Applications I (3)**
Study of computers as a tool for information processing, content creation and communication. Topics include: basics of computer systems; productivity tools (word processing, spread- sheets, and presentation generation); multimedia; and information retrieval and sharing. Certain sections may cover topics related to specific fields of study. Two hours of lecture and one hour of lab per week.
- CS 117 Introduction to Computers and Their Applications II (3)**
Introduction to World Wide Web applications and their design, including Web scripting languages and HTML with hands-on directed laboratory activities. Two hours of lecture and one hour of lab per week. Prerequisite: CS 116.
- CS 120 Introduction to Computers and Problem Solving (3)**
An integrated introduction to problem solving using computers. Teaches students how real-world problems can be solved using computer programming languages. Concepts and techniques covered include data representation and number systems, basic components of computer systems, problem solving strategies, introduction to algorithms and pseudo code, introduction to programming languages and introduction to operating systems. This course is required for computer science majors and minors. Three hours of lecture per week.
- CS 124 Fundamentals of Machine Computation (3)**
Study of the theory and applications of discrete mathematical structures as a foundation for topics in computer science. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: MATH 136.
- CS 140 Computer Programming in Java (3)**
Introduction to the JAVA programming language that covers the use of object oriented programming methodologies such as class inheritance, polymorphism, multithreading, generics, GUI components, and exceptions. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: CS 120.
- CS 216 Advanced Applications I (3)**
This course is an introduction to computer programming applications for the PC using VISUAL BASIC. The design, implementation, and testing of programs and graphical user interfaces is presented. Process of using VISUAL BASIC to access object oriented model of other applications also considered. Two hours of lecture and one hour of lab per week. Prerequisite: CS 117.
- CS 217 Advanced Applications II (3)**
This course is a continuation of CS 216 providing advanced study of software application development in the WINDOWS environment. Students develop customized software products with applications related to subject area matter studied. Two hours of lecture and one hour of lab per week. Prerequisite: CS 216.
- CS 241 Object Oriented Programming Using C++ (3)**
In depth study of the object oriented programming methodologies using the C++ programming language. Students will work through a number of programming exercises to explore the concepts of structures, pointers, advanced file operations, classes, inheritance, and polymorphism. Upon completion of this course, students will have been able to tackle reasonably sized projects using C++. Required for computer science majors and concentration I minors. Three hours of lecture per week. Prerequisite: CS140.
- CS 243 Computer Organization (3)**
Basic concepts of digital computers: Boolean algebra, combinatorial and sequential logic design, arithmetic/logic units, control units, memory units, and input/output units, flip flops, and counters. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124.
- CS 246 Data and File Structures (3)**
Advanced programming techniques and data structures including tables, linked lists, queues and stacks are studied. Abstract data types, recursion, searching and sorting, hashing, binary trees, external storage devices, file organization, and file processing techniques are presented. Required for computer science majors and concentration I minors. Three hours of lecture per week. Prerequisites: CS243 and CS 241.

- CS 248 Introduction to Theory of Computation (3)**
Introduction to graph theory, automata and languages, computability and complexity of algorithms. This course covers partial order relations, scheduling PERT, CPM, introduction to graph theory and Euler, Hamiltonian and Dijkstra algorithms, finite state automata, regular expressions, grammars, and algorithm definition. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH 241 and CS 243. Co-requisite: CS 246.
- CS 250 Computer Networks Fundamentals (3)**
Introduction to the fundamental networking concepts and technologies focusing on both the conceptual and practical skills needed to understand basic networking. Students will gain an understanding of the “layered” approach to networks and examine the OSI and TCP/IP layers in detail to understand their functions and services. It provides an overview to various network devices, network addressing schemes and, finally, the types of media used to carry data across the network. Required for computer science majors and concentration II minors. Three hours of lecture per week. Prerequisite: CS 120.
- CS 251 Internetworking and Routing Basics (3)**
A comprehensive study of internetworking as well as routing concepts and protocols is presented to develop an understanding of how networks are linked together. An introduction to routers, their role in the network, their main hardware and software components, and the packet forwarding process is included. This course covers the foundations of static and dynamic routing protocols. It provides a detailed study of various Distance Vector as well as Link State protocols and examines their characteristics, operations, limitations, configuration, and troubleshooting techniques. Required for computer science concentration II majors and concentration II minors. Three hours of lecture per week. Prerequisite: CS 250.
- CS 342 Programming Languages and Design (3)**
Introduction to the structure and design of the programming language paradigm, formal specification of syntax, semantics, functional languages, logic languages, parallel languages, data types and interfacing procedures. Social implications of technology and safety issues are also covered. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 241 and CS 248.
- CS 343 Microprocessor Design (3)**
This course is a rigorous study of the architecture, applications, programming, and interfacing of current microprocessors, co-processors, and controllers. Hardware and software structures found in modern digital computer systems are presented. A detailed case study using a commercial microprocessor or microcontroller will be covered. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 243.
- CS 344 Compiler Design and Construction (3)**
Concepts, design, implementation and construction techniques for programming language translators, simple one-pass compiler; lexical analysis; semantics analysis, top-down, bottom-up and operator precedence parsing, left-left and left-right parser techniques. Three hours of lecture per week. Prerequisite: CS 342.
- CS 346 Database Management Systems (3)**
Theory and current practices in database management systems, data organizational models, including hierarchical and networked, with relational and semantic models stressed. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 246 and CS 248.
- CS 350 Local Area Network Fundamentals (3)**
This course covers an introduction to LAN switching and wireless LANs and, in depth examination of the underlying concepts and processes of the common Layer 2 switching protocols and technologies. It provides the necessary knowledge required to implement, verify, and troubleshoot Local Area Networks. It also covers wireless LAN standards and concepts required to design, implement and troubleshoot wireless LANs. Required for computer science concentration II majors and concentration II minors. Three hours of lecture per week. Prerequisite: CS 250.

- CS 351** **Wide Area Network Technologies** (3)
 This course is an introduction to the various wide area networks (WANs) access technologies used to connect small-to medium-sized business networks. This course introduces WAN converged applications and quality of service (QoS). It focuses on WAN technologies including PPP, Frame Relay, broadband links, and WAN security concepts. It covers the principles of traffic control and access control lists and describes how to implement IP addressing services for an Enterprise network, including how to configure NAT and DHCP. Finally, students learn how to detect, troubleshoot and correct common Enterprise network implementation issues. Required for computer science concentration II majors and concentration II minors. Three hours of lecture per week. Prerequisite: CS 251.
- CS 354** **Web Application Development** (3)
 Study of concepts, technologies, and tools required for developing multi-tiered enterprise-level Web applications. The course covers the fundamental architectural elements of programming web sites that produce content dynamically. Topics include database connectivity options; distributed object technologies; n-tier client/server applications architecture; and security issues. Required for computer science concentration II majors. Three hours of lecture per week. Prerequisites: CS 250 and CS 346.
- CS 356** **Numerical Analysis** (3)
 This course is the study of the difference calculus, polynomial interpolation, extrapolation, data smoothing, numerical differentiation and integration, numerical solution of nonlinear differential equations, and systems of linear and nonlinear equations. Three hours of lecture per week. Prerequisites: MATH 242, MATH 330, and CS 140.
- CS 415** **Computer Ethics and Society** (3)
 This course is a study of the ethical and social issues related to computers and computer networks. It provides an introduction to the legal, social, and ethical issues surrounding information technology and to the societal risks addressed in software testing and reliability standards. Safety and relevant legal cases will be covered. Required for computer science majors. Two hours of lecture per week. Prerequisite: Junior level standing.
- CS 434** **Wireless Programming** (3)
 This course involves a thorough introduction to wireless device programming with a focus on Wireless application development and Wireless Internet programming. After an overview of the elements and dynamics of the Wireless Internet landscape, the course focuses on the skills required for content development and management of wireless media applications. Emphasis is on developing applications that can be accessed remotely using the Wireless Application Protocol (WAP) and the Wireless Markup Language (WML) as well as standalone applications that run on platforms such as Android. Three hours of lecture per week. Prerequisite: CS 354 or instructor consent.
- CS 444** **Introduction to Operating Systems** (3)
 Introduction to the function, internal data structures, and operations of operating systems and their associated file systems. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 343.
- CS 445** **Multimedia Applications** (3)
 This course focuses on the fast emerging field of multimedia authoring and application development. It covers multimedia representation, storage, and communication. It provides students with the basics of integrating audio, video, and textual sources into multimedia objects. Software and hardware issues related to multimedia are studied in this class. Required for computer science concentration II majors. Three hours of lecture per week. Prerequisite: CS 354.
- CS 450** **Network Management and Security** (3)
 This course provides an introduction to the basic concepts of the network-management architectures and protocols. It covers, in detail, the implementation, operation, security, management and support of complex LAN and WAN networks to develop an understanding of the tools, procedures and standards needed for network administration. Students will learn common network management concepts and protocols such as Structure of Management Information (SMI), Management Information Base (MIB), Simple Network Management Protocol (SNMP), Remote Monitoring (Rmon), and Common Management Information Protocol (CMIP). Required for computer science concentration II majors. Three hours of lecture per week. Prerequisite: CS 351.

- CS 451** **Introduction to Wireless and Mobile Networks** **(3)**
 This course provides an introduction to wireless and mobile networks and covers the following topics: mobile radio propagation; traffic engineering; cellular concepts; multiple radio access; multiple division techniques; channel allocation; mobile communication systems; existing wireless systems; network protocols; Ad Hoc and sensor networks; and wireless LANs and PANS. Required for computer science concentration II majors. Three hours of lecture per week. Prerequisite: CS 350.
- CS 456** **Software Engineering** **(3)**
 Study of the principles and practices of software engineering. Topics include software quality concepts, process models, and analysis of software requirements, design methodologies, software testing, and software maintenance. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 346.
- CS 457** **Introduction to Artificial Intelligence** **(3)**
 Introduction to the fundamental theories, algorithms and representational structures underlying Artificial Intelligence and practice techniques for programming AI applications using Prolog. General areas covered include search techniques, production systems, planning, learning, and connectionist systems. Three hours of lecture per week. Prerequisite: CS 342.
- CS 460** **Computer Graphics** **(3)**
 Basic concepts of computer graphics, including programming, hardware, display technology, and data structures for both micros and high-performance workstations. Three hours of lecture per week. Prerequisites: CS 248 and CS 356.
- CS 497** **Advanced Topics in CS** **(3)**
 This is a study of contemporary topics and issues in computer science and associated technology. Three hours of lecture per week. Prerequisite: Senior level standing.
- CS 499** **Capstone Project** **(3)**
 A CS required capstone design course to encourage independent study, project design, and development. Proposal must be submitted and approved during term preceding enrollment. Required for computer science concentration I majors. Three hours of lecture per week. Prerequisites: Consent of the Faculty Chair and Senior Level standing.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN COMPUTER SCIENCE
General CS Concentration
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS
42 credits	TCCNS	51 credits	28 credits
<u>Communication:</u>		CS 124 (3)	MATH 241 (4)
ENG 131 (3) **	ENGL 1301	CS 140 (3)	MATH 242 (4)
ENG 132 (3)	ENGL 1302	CS 241 (3)	MATH 250 (3)
<u>Mathematics:</u>		CS 243 (3)	MATH 473 (3)
MATH 136 (3)	MATH 2312	CS 246 (3)	PHYS 213 (1)
<u>Life and physical sciences:</u>		CS 248 (3)	PHYS 214 (1)
CHEM 131 or BIOL 143 (3)	CHEM 131 or BIOL 1308	CS 250 (3)	PHYS 238 (3)
PHYS 237 (3)	PHYS 1301	CS 342 (3)	Elective Courses (9)
<u>Language, philosophy, and culture:</u>		CS 343 (3)	
ENG 2xx (3) ***		CS 346 (3)	
<u>Creative arts:</u>		CS 415 (3)	
MUSIC 131 or ART 131 (3)	MUSI 1301 or ARTS 1316	CS 444 (3)	
<u>American history:</u>		CS 456 (3)	
HIST 231 (3)	HIST 1301	CS 499 (3)	
HIST 232 (3)	HIST 1302	CS 3xx or 4xx (3)	
<u>Government/political science:</u>		CS 4xx or 5xx (3)	
POLS 235 (3)	GOVT 2305	CS 4xx or 5xx (3)	
POLS 236 (3)	GOVT 2306		
<u>Social and behavioral sciences:</u>			
ECON 231 (3)	ECON 2301		
<u>Institutional Options:</u>			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 120 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE
GENERAL CS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	CS 120 Introduction to Computers and Problem Solving	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
		15 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	MATH 242 Calculus & Analytic Geometry. II	4	CS 250 Computer Networks Fundamentals	3
	PHYS 213 College Physics Lab I	1	MATH 250 Linear Algebra	3
	PHYS 237 College Physics I	3	PHYS 214 College Physics Lab II	1
	ENG 2XX Any 200 Level ENG may be selected	3	PHYS 238 College Physics II	3
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	CS 342 Programming Languages and Design	3	CS 346 Database Management Systems	3
	CS 343 Microprocessors Design	3	CS 300/400 CS Elective	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Elective Course	3	ECON 231 Principles of Economics I	3
	15 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CS 444 Operating Systems	3	CS 456 Software Engineering	3
	CS 415 Computer Ethics and Society	3	CS 499 Capstone Project	3
	CS 400/500 CS Elective	3	CS 400/500 CS Elective	3
	MATH 473 Probability and Statistics	3	Elective Course	3
	Elective Course	3		
	15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN COMPUTER SCIENCE
Computer Networks Concentration
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS
42 credits	TCCNS	60 credits	19 credits
Communication:		CS 124 (3)	MATH 241 (4)
ENG 131 (3) **	ENGL 1301	CS 140 (3)	MATH 242 (4)
ENG 132 (3)	ENGL 1302	CS 241 (3)	MATH 250 (3)
Mathematics:		CS 243 (3)	MATH 473 (3)
MATH 136 (3)	MATH 2312	CS 246 (3)	PHYS 213 (1)
Life and physical sciences:		CS 248 (3)	PHYS 214 (1)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CS 250 (3)	PHYS 238 (3)
PHYS 237 (3)	PHYS 1301	CS 251 (3)	
Language, philosophy, and culture:		CS 342 (3)	
ENG 2xx (3) ***		CS 343 (3)	
Creative arts:		CS 346 (3)	
MUSIC 131 or ART 131 (3)	MUSI 1301 or ARTS 1316	CS 350 (3)	
American history:		CS 351 (3)	
HIST 231 (3)	HIST 1301	CS 415 (3)	
HIST 232 (3)	HIST 1302	CS 444 (3)	
Government/political science:		CS 450 (3)	
POLS 235 (3)	GOVT 2305	CS 451 (3)	
POLS 236 (3)	GOVT 2306	CS 456 (3)	
Social and behavioral sciences:		CS 499 (3)	
ECON 231 (3)	ECON 2301	CS 3xx or 4xx or 5xx (3)	
Institutional Options:			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 120 (3)	COSC 1301		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE
WITH COMPUTER NETWORKS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	CS 120 Introduction to Computers and Problem Solving	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry & Lab I, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 131 or ART 131 Intro to Music or Drawing and Comp. I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
		15 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	CS 250 Computer Networks Fundamentals	3	CS 251 Internetworking and Routing Basics	3
	MATH 242 Calculus & Analytic Geometry, II	4	MATH 250 Linear Algebra	3
	PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
	PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	CS 342 Programming Languages and Design	3	CS 343 Microprocessors Design	3
	CS 346 Database Management Systems	3	CS 351 Wide Area Networks Technologies	3
	CS 350 Local Area Networks Fundamentals	3	POLS 236 American Political Systems II	3
	POLS 235 American Political Systems I	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	ENG 2__ Any 200 Level ENG may be selected	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CS 415 Computer Ethics and Society	3	CS 444 Operating Systems	3
	CS 450 Network Management and Security	3	CS 451 Introduction to Wireless and Mobile Networks	3
	CS 300 / 400 CS Elective	3	CS 456 Software Engineering	3
	MATH 473 Probability and Statistics	3	CS 499 Capstone Project	3
	ECON 231 Principles of Economics I	3		
		15 hrs		12 hrs

**DEPARTMENT OF COMPUTER SCIENCE
ROTATION TABLE**

COURSE #	COURSE NAME	CREDIT HOURS	FALL	SPRING	SUM	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
CS 116	Intro to Computers and Their Applications I	3	X	X	X	X	X	X		
CS 117	Intro to Computers and Their Applications II	3	X	X	X	X	X	X		
CS 120	Intro to Comp & Problem Solving	3	X	X	X	X	X	X	MATH 136	
CS 124	Fund Mach Computation	3	X	X		X	X			
CS 140	Computer Programming in Java	3	X	X	X	X	X	X	CS 120	
CS 216	Advanced Applications I	3	X		X	X		X	CS 117	
CS 217	Advanced Applications II	3		X	X		X	X	CS 216	
CS 241	Object Oriented Prog in Using C++	3	X	X		X	X		CS 140	
CS 243	Computer Organization	3	X	X		X	X		CS 124	
CS 246	Data & File Structures	3	X	X		X	X		CS 124, CS 140	
CS 248	Theory of Computation	3		X			X			CS 246
CS 250	Computer Networks Fundamentals	3	X	X		X	X		CS 120	
CS 251	Internetworking and Routing Basics	3		X			X		CS 250	
CS 342	Programming Lang & Design	3	X			X			CS 241, CS 248	
C 343	Programming Lang and Design	3	X			X			CS 243	
CS 344	Compiler Design and Costruction	3		X			X		CS 342	
CS 346	Database Management Systems	3	X			X			CS 246, CS 248	
CS 350	LAN Fundamentals	3	X			X			CS 251	
CS 351	Wide Area Networks Technologies	3		X			X		CS 350	
CS 354	Web Application Development	3		X			X		CS 250, CS 346	
CS 356	Numerical Analysis	3	X			X			MATH 242, MATH 330, AND CS 140	
CS 415	Computer Ethics and Society	3		X			X		JUNIOR LEVEL STANDING	

CS 444	Operating Systems	3		X			X		CS 343, CS 346	
CS 445	Multimedia Applications	3		X			X		CS 354	
CS 450	Network Management and Security	3	X			X			CS 351	
CS 451	Introduction to Wireless Network	3		X			X		CS 350	
CS 456	Software Engineering and Testing	3		X			X		CS 346	
CS 457	Artificial Intelligence	3		X			X		CS 342	
CS 460	Computer Graphics	3		X		X			CS 248, CS 356	
CS 497	Advanced Topic in CS	3	X			X			SENIOR LEVEL STANDING	
CS 499	Capstone Project	3		X			X		SENIOR LEVEL STANDING	
CS 511	Alg Analysis & Data Structures	3	X			X				
CS 531	Computer Architectures	3	X			X				
CS 541	Operating Systems	3		X			X			
CS 551	Theory of Computation	3		X			X			
CS 545	Computer Networks	3	X			X				
CS 547	Computer Security	3		X			X			
CS 571	Artificial Intelligence	3		X			X			
CS 583	Data Mining	3	X			X				
CS 591	Web Services	3	X			X				
CS 599	Graduate Seminar in CS	1	X	X		X	X			
CS 661	Advanced Software Engineering	3	X			X				
CS 681	Advanced Database Management Systems	3	X			X				
CS 696	Special Topics in Computer Science	3	X			X				
CS 697	Independent Master Project	3	X			X				
CS 698	Master's Thesis Research I	1-3	X	X		X	X	X		
CS 699	Master's Thesis Research II	1-3	X	X	X	X	X	X		

DEPARTMENT OF ENGINEERING TECHNOLOGY

Through this instructional unit, courses are offered in the following academic disciplines: Civil Engineering Technology (CIVT), Electronics Engineering Technology (ELET), and Computer Engineering Technology (CMET). **The Bachelor of Science degree (B.S.) in the aforementioned areas is offered at the undergraduate level; however, no graduate degree is offered through this unit.** Cooperative Education (COE) courses are also offered through this unit. **In addition, an undergraduate minor in Engineering Technology is offered for students majoring in other academic disciplines or programs where the declaration of a minor is required.** The Electronics Engineering Technology Program in the College of Science and Technology is accredited by The Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET), 111 Market Place, Suite 1050, Baltimore, MD21202-4012 – Telephone: (410) 347-7700. Members of the Department are housed in the Leonard H.O. Spearman Technology Building with the Department Office located in Suite 101.

Students seeking the B. S. degree may choose from three (3) different programs that provide for concentrated study in one of the following Engineering Technologies: Civil Engineering Technology, Electronics Engineering Technology or Computer Engineering Technology. **Although students may choose one of the three programs, they are not required to declare a minor in another academic area.** For each program identified, a common core of courses is drawn from many instructional units in the University, including those in the College of Science and Technology.

The mission of the Department is to provide an overall high quality, application-oriented curriculum in engineering technology. This curriculum is designed to prepare students for careers as engineering technologists who have the ability to understand new developments, adapt to change, embrace professional development opportunities, and assume professional roles in their respective fields.

Students wishing to pursue the B.S. degree or declare a major in the Department must first gain admission to the University. Then, they must satisfy TSI Assessment requirements or equivalent and eradicate identified deficiencies through the Office of Student Success, and must contact the Department for admission after TSI Assessment requirements or equivalent has been completed and deficiencies remedied. Students wishing to declare a minor in Engineering Technology should contact the Department office once they have been admitted as majors in other academic units of the University and have met all TSI Assessment requirements. Prior to graduation, majors must pass an exit examination during their senior year.

For those students wishing to declare a minor in Engineering Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable). The twenty-one (21) credit hours must be in one of the Engineering Technology programs (CIVT, ELET, or CMET). All minors are also required to complete the following three (3) mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above: MATH 133 (3 credits), MATH 134 (3 credits), and MATH 241 (4 credits). The Chair in the Department, prior to enrollment, must approve all courses and an overall program of study for each minor.

Detailed plans of study of the three (3) programs leading to the B.S. in Engineering Technology, including the sequencing of courses that must be taken, follow the list of faculty below. **As is the case for minors in Engineering Technology, grades below “C”, including “C-”, are unacceptable in courses specific to the major.** Additional information may be obtained directly from the Department Office or by calling (713) 313-7119.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Afiesimama, Boma T., P.E. Associate Professor B.S., University of Michigan M. Eng., Texas A&M University D. Eng., Texas A&M University</p>	<p>Saneifard, Rasoul, P.E. Professor B.S.E.E., Prairie View A&M University M.S.E., PrairieView A&M University Ph.D., New Mexico State University</p>
<p>Chen, Xuemin Associate Professor B.Eng., NanjinUniversity of Science and Technology M.Eng., NanjingUniversity of Science and Technology Ph.D., NanjingUniversity of Science and Technology</p>	<p>Thomas, Graham Associate Professor B.S.,New Mexico State University M.S.,New Mexico State University Ph.D.,New Mexico State University</p>
<p>Darayan, Shahryar Professor B.S., Tabriz University M.S.E.E., University of Houston Ph.D., University of Houston</p>	<p>Wanyan, Yachi Assistant Professor B.S, Tongji University, Shanghai, China B.E., Tongji University, Shanghai, China MSCE, University of Texas at El Paso Ph.D., University of Texas at El Paso</p>
<p>Olowokere, David Professor& Chair B.S., Ahmadu Bello University, Nigeria M.S., Queen's University, Kingston, Canada Ph.D., State University of New York</p>	<p>Zhang, Yuhong Associate Professor B.Sc.,Shandong University, China M.Sc.,University of Manitoba, Canada Ph.D.,University of Toledo</p>

ENGINEERING TECHNOLOGY COURSES

- ENGT 111** **Introduction to Project Management** (1)
The course emphasizes the different aspects of a given engineering project, such as planning, time and cost management, scope management, human resource management, communications management and conflict management. One hour of lecture per week.
- ENGT 331** **Engineering Economy** (3)
Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture and two hours of laboratory per week.
- ENGT 332** **Industrial Productivity and Work Measurements** (3)
Study of industrial productivity and its assessment, measurements, analysis, and improvements with emphasis on human productivity, work design, method analysis, and ergonomics. Two hours of lecture and two hours of laboratory per week.
- ENGT 333** **Ethics in Professional Engineering Practice** (1)
This course develops students' knowledge of: the nature of engineering ethics (legal, professional, historical, and personal definitions of "engineering ethics"); the value of engineering ethics (varied contemporary and historical legal, professional, and personal reasons why an engineer should be ethical); and the resolution of ethical dilemmas (using common ethical dilemmas, identify possible actions to be taken in response, and probable consequences of those actions). One hour of lecture per week.
- ENGT 431** **Quality Control and Assurance** (3)
Introduction to statistical quality control methods as applied to design tolerance, process control and process capability. Two hours of lecture and two hours of laboratory per week.
- ENGT 432** **Industrial Quality Control** (3)
Study of quality management and product reliability to reduce defects and/or failures in production processes. Application of SPC control charts and reliability testing to optimize quality control processes. Two hours of lecture and two hours of laboratory per week. Prerequisite: ENGT 431.
- ENGT 433** **Alternative Energy Technology** (3)
The course discusses the use of solar (thermal and photovoltaic), hydro-electric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass. The use of fuel-cell and heat pump systems is dealt with. Issues relevant to energy efficiency and energy storage are discussed. The potential of using renewable energy technologies as a complement to, and, to the extent possible, replacement for conventional technologies, and the possibility of combining renewable and nonrenewable energy technologies in hybrid systems are analyzed. Two hours of lecture and two hours of laboratory per week.

CIVIL ENGINEERING TECHNOLOGY COURSES

- CIVT 141** **Civil Engineering Materials** (3)
Introduction to materials and equipment for civil engineering construction. Properties and uses discussed of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Two hours of lecture and two hours of laboratory per week.
- CIVT 223** **Water Resources Engineering** (3)
Introduction to the science of hydrology and application. Hydro-meteorology ground-water, hydrographic, storm water control, free surface flow and water quality. Two hours of lecture and two hours of laboratory per week. Prerequisite: MATH 134
- CIVT 224** **Soil Mechanics** (3)
Geotechnical analysis of soils: application of science and engineering principles; methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 141.

CIVT 231	<p>Surveying (3)</p> <p>Theory and practice of plane surveying; instruments, measurements of distances, angles, elevations; introduction to traverse, contour, and electronic distance measurements. Two hours of lecture and two hours of laboratory per week. Listed as ENGR 1305 in the Texas Common Course Numbering System.</p>
CIVT 232	<p>Engineering Statics (3)</p> <p>Introduction to applications of equilibrium of rigid bodies, including moments, couples, and moments of inertia. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and PHYS 235 or 237.</p>
CIVT 233	<p>Dynamics (3)</p> <p>Principles of kinetics, kinematics, Newton's laws of motion, vectors, simple harmonic motion, and energy. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 232.</p>
CIVT 301	<p>Environmental Engineering (3)</p> <p>Introduction to sanitary microbiology and sanitary chemistry, communicable diseases, solid waste; environmental sanitation; environmental regulations; water and airborne diseases, transmission and control. Two hours of lecture and two hours of laboratory per week. Prerequisite: CHEM 111, CHEM 131 and MATH 133.</p>
CIVT 332	<p>Applied Fluid Mechanics (3)</p> <p>Fluid mechanics with engineering applications, properties of fluids, pressure, kinematics, energy, and flow through pipes. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 232.</p>
CIVT 333	<p>Hydraulics Engineering (3)</p> <p>Introduction to quantitative hydrology, open channel flow, flow in conduits, hydraulic structures, flow measurements, and pumps. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 332.</p>
CIVT 334	<p>Transportation Engineering (3)</p> <p>Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisites: DRFT 132.</p>
CIVT 335	<p>Geometric Design of Highways (3)</p> <p>Theory and application of the parameters which impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 334.</p>
CIVT 336	<p>Structural Analysis (3)</p> <p>Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisites: MATH 241 and CIVT 338.</p>
CIVT 337	<p>Reinforced Concrete Design (3)</p> <p>Concrete materials and properties, mixing and placement, concrete tests, design of concrete structures, elastic theory, stresses, beams, foundations, columns, and floor slabs. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336.</p>
CIVT 338	<p>Strength of Materials (3)</p> <p>Physical properties of engineering materials concepts of stress and loading shear force and bending moments. Design of structural elements. Three hours lecture per week. Prerequisites: MATH 241, CIVT 232, and PHYS 235 or 237.</p>
CIVT 340	<p>Structural Steel Design (3)</p> <p>Design in steel of tension members, beams, columns, welded and bolted connections; eccentrically loaded and moment resistant joints; plate girders. Plastic design; load and resistance factor design. Composite construction; introduction to computer-aided design. Laboratory sessions. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336.</p>

- CIVT 400** **Civil Engineering Tech Project** (3)
 Design of Civil Engineering related projects, apply the necessary criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Consent of the instructor required.
- CIVT 434** **Water and Wastewater Engineering** (3)
 Water supply and treatment, wastewater characterization and treatment. Design of units process and operation, transmission and sewerage facilities. Two hours of lecture and two hours laboratory per week. Prerequisite: CIVT 301
- CIVT 435** **Building Construction** (3)
 Setting out of construction work, foundations, wallings, concrete slabs, formworks, roofing structures, plumbing and drainages, bridges, commercial and industrial buildings, and estimating. Two hours of lecture and two hours of laboratory per week. Prerequisites: CIVT 337 and CIVT 340.
- CIVT 436** **Civil Engineering Construction Methods** (3)
 Job planning and management, fundamentals of earth work, setting-out, concrete structural piling, blasting, roads, culverts, drainage, bridges, commercial and industrial buildings, and estimating. Three hours of lecture per week. Prerequisite: CIVT 337.

ELECTRONICS ENGINEERING TECHNOLOGY COURSES

- ELET 111** **Direct Current Circuits Laboratory** (1)
 Laboratory activities on electronic circuits, Ohm's law, voltage, current, resistance, and basic test instruments. Two hours of laboratory per week. Co-requisite: ELET 131.
- ELET 114** **Electronics I Laboratory** (1)
 Laboratory experiments on the application, analysis, and measurement of semiconductor devices in basic amplifier circuits. Two hours of laboratory per week. Prerequisite: ELET 133. Co-requisite: ELET 134.
- ELET 113** **Alternating Current Circuits Laboratory** (1)
 Practical experiences in the measurement and analysis of alternating current with voltage, impedance, and phasor experiments. Two hours of laboratory per week. Co-requisite: ELET 133.
- ELET 130** **Introduction to Structured Programming with C++** (3)
 Structured methods of developing complex technology computer programs using a high level programming in a networked environment. Use of the C++ language as a problem-solving tool is emphasized. Two hours of lecture and two hours of laboratory per week.
- ELET 131** **Direct Current Circuits** (3)
 Direct current topics covered: current, voltage, resistance, power, energy, series and parallel circuits, combination circuits, Ohm's law, Kirchhoff's rules, inductance, capacitance, and magnetism. Three hours of lecture per week Co-requisite: ELET 111.
- ELET 134** **Electronics I** (3)
 Study of the operation and characteristics of semiconductor devices such as bipolar-junction transistors, diodes, field-effect transistors, and other devices. Three hours of lecture per week. Prerequisite: ELET 133. Co-requisite: ELET 114.
- ELET 133** **Alternating Current Circuits** (3)
 Continuation of ELET 131 with studies of alternating current circuits, impedance concepts, network theorems, transformers, passive filters, and response curves. Three hours of lecture per week. Prerequisite: ELET 131. Co-requisites: ELET 113 and MATH 134.

ELET 212	Electronics II Laboratory Application, design, and evaluate operational amplifiers with feedback configurations, linear and nonlinear circuitry, oscillators, and active filters. Two hours of laboratory per week. Prerequisite: ELET 134. Co-requisite: ELET 232.	(1)
ELET 215	Digital Systems Laboratory Exercises on logic circuits, combinational and sequential logic devices, and flip-flops. Experiments in digital hardware design. Two hours of laboratory per week. Co-requisite: ELET 235.	(1)
ELET 223	Electric Machines Study of polyphase circuits, transformers, DC machines, induction machines, and small AC motors. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 133.	(3)
ELET 232	Electronics II Design and evaluation of the operational amplifier circuitry with feedback, linear and nonlinear circuitry, oscillators, and active filters. Three hours of lecture per week. Prerequisite: ELET 134. Co-requisite: ELET 212.	(3)
ELET 235	Digital Systems Introduction to digital technology, Boolean algebra, number systems, codes, truth tables, combinational and sequential logic, and logic devices. Study of digital hardware with emphasis on digital circuits such as memory circuits, A/D and D/A converters. Three hours of lecture per week. Prerequisite: ELET 133. Co-requisite: ELET 215.	(3)
ELET 311	Communications Systems Laboratory Experiments on oscillators, transmitters, receivers, filters, and transmission lines as related to modern electronic communications techniques. Two hours of laboratory per week. Prerequisite: ELET 232. Co-requisite: ELET 331.	(1)
ELET 312	Control Systems Laboratory Laboratory experiments on final control elements and closed loop control systems. Two hours of laboratory per week. Prerequisite: ELET 212. Co-requisite: ELET 332.	(1)
ELET 313	Microprocessor Architecture Laboratory Experiments to explore the relationship between hardware and software in microprocessors, input/output operations, and assembly language techniques. Two hours of laboratory per week. Co-requisite: ELET 343.	(1)
ELET 322	Integrated Circuits Study of the design and application of digital and linear integrated circuits. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 243.	(3)
ELET 323	Digital Signal Processing To introduce the student to discrete time signals and the systems, sampling, recursive and non-recursive digital filters, and the z-transform. Three hours of lecture per week. Prerequisites: Math 242 and ELET 243.	(3)
ELET 331	Communications Systems Study of basic communications systems with emphasis on the applications of Fourier series, Fourier transforms, modulation techniques, and transmission lines. Three hours of lecture per week. Prerequisites: MATH 242 and ELET 232. Co-requisite: ELET 311.	(3)
ELET 332	Control Systems Study of feedback control systems, Laplace transforms, and control modes and methods of implementation by analog and digital means. Three hours of lecture per week. Prerequisite: ELET 232. Co-requisites: ELET 312 and MATH 345.	(3)

ELET 343	Microprocessor Architecture Introduction to microprocessor hardware and software, including: microprocessor principles, organization, machine language programming, and input/output functions. Three hours of lecture per week. Prerequisite: ELET 243. Co-requisite: ELET 313.	(3)
ELET 353	Microprocessor Software Applications Study of programming microprocessors and microcomputers using assembly language techniques with emphasis on writing industrial application programs for engineering technology. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 130.	(3)
ELET 410	Computer Control Systems Laboratory Experiments on computer control systems with emphasis on the practical aspects of control principles. Two hours of laboratory per week. Prerequisites: ELET 343 and ELET 332. Co-requisite: ELET 430.	(3)
ELET 411	Microcomputer Networks Laboratory Experiments and written reports where students construct, test, and debug hardware and software components for computer networks. Two hours of laboratory per week. Co-requisite: ELET 434.	(1)
ELET 413	Microprocessor Interfacing Laboratory Experiments on interfacing microprocessors with emphasis on input/output operations, bus systems, peripheral hardware and software applications. Two hours of laboratory per week. Co-requisite: ELET 431.	(1)
ELET 422	Advanced Structured Programming with C++ Study of object oriented programming in C++ on workstations with Microsoft C/C++. Three hours of lecture per week. Prerequisite: ELET 130.	(3)
ELET 430	Computer Control Systems Analysis and design of control systems with emphasis on control software, programmable controllers, and data acquisitions. Three hours of lecture per week. Prerequisites: ELET 343 and ELET 332. Co-requisite: ELET 410.	(3)
ELET 431	Microprocessor Interfacing Study of interfacing with topics on bus timing, input/output timing, serial and parallel input/output methods, subroutine and control signals. Three hours of lecture per week. Prerequisite: ELET 343. Co-requisite: ELET 413.	(3)
ELET 440	Senior Electronics Project Opportunity for seniors to engage in a team project in applied electronics where integration of knowledge obtained throughout the program is possible. Prerequisites: Senior standing and consent of the Faculty Chair.	(4)
ELET 434	Microcomputer Networks Study of networking components and techniques for a microcomputer network, including the study of standards, protocols, LANs, and WANs. Three hours of lecture per week. Prerequisite: ELET 243. Co-requisite: ELET 411.	(3)
ELET 441	Electronics Senior Comprehensive Senior Comprehensive examinations for graduating seniors majoring in Electronics Engineering Technology. Students who do not score "Satisfactory" may be required to register in ELET 442 in order to complete the requirements for the course. Prerequisite: Consent of the Faculty Chair.	(0)
ELET 442	Special Topics Direct study, independent study or internship designed to give the student an opportunity to study a particular aspect of the discipline in some depth. Consent of the faculty chair required.	(3)

COMPUTER ENGINEERING TECHNOLOGY COURSES

CMET 331	Micro Computer Operating Systems (3) Basic functions, structure, and mechanism of modern operating systems; device management, input/output processing, and job management. Three hours of lecture per week. Prerequisite: ELET 243.
CMET 416	Applications of Microprocessor Software Laboratory (1) Practice in writing industrial application programs, such as floating point mathematical routines and special purposes languages utilizing micro assemblers. Two hours of laboratory per week. Co-requisite: CMET 436.
CMET 417	Data Communication Methods Laboratory (1) Laboratory experiments in data communication devices. Modems, multiplexers, concentrators, front-end processor, error-checking, simplex/duplex transmission, and telecommunications. Two hours of laboratory per week. Co-requisite: CMET 437.
CMET 415	Advanced Microcomputer Networks Lab (1) Experiments utilizing hardware and software in the design, operation, and analysis of computer networks. Topics include LANS, WANS, networking components and techniques, standards and protocols. Two hours of laboratory per week. Prerequisites: ELET 411 and ELET 434. Co-requisite: CMET 435.
CMET 419	Microcomputer Peripheral Hardware Laboratory (1) Experiments in the application of microprocessor peripheral hardware and interfacing, including the configuration and construction of a microprocessor system. Two hours of laboratory per week. Prerequisite: ELET 313. Co-requisite: CMET 439.
CMET 432	Senior Project (4) A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Formal oral and written presentations, and a prototype required. Prerequisites: Senior standing, and consent of Faculty Chair.
CMET 435	Advanced Microcomputer Networks (3) Advanced topics in the design, operation, and analysis of microcomputer networks, including internetworking and routers, network management, and etc. Three hours of lecture per week. Prerequisite: ELET 434.
CMET 436	Applications of Microprocessor Software (3) Utilization of micro assemblers to write floating point mathematical routines, special purpose languages, generate relocatable code, etc. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 343 and MATH 242. Co-requisite: CMET 416.
CMET 437	Data Communication Methods (3) Study of data communication devices and software, their functional and operational aspects, including modems, control units, multiplexers, concentrators, front-end processors, etc. Three hours of lecture per week. Co-requisite: CMET 417.
CMET 441	Computer Engineering Technology Comprehensive Exam (0) Comprehensive Examination for graduating seniors majoring in Computer Engineering Technology. Prerequisite: Consent of the Faculty Chair.
CMET 438	Artificial Intelligence (3) The fundamental principles of artificial intelligence and expert systems are introduced and their application in various areas of science and engineering. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 422 and Senior standing.

CMET 439 **Microcomputer Peripheral Hardware** **(3)**
Microprocessor peripheral hardware and its interfacing, configuration and construction, including series and parallel I/O and interrupt control devices, bus arbitration, and memory management units. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 343. Co-requisite: CMET 419.

CMET 470 **Java Programming** **(3)**
High-level, object-oriented language programming using JAVA. The course includes inheritance and polymorphism, implementing, hiding, and the creation of JAVA applets for internet usage. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 130, ELET 422, and Senior standing.

COOPERATIVE EDUCATION COURSES

COE 233 **Cooperative Education** **(3)**
First training period designed to give students full-time experience in industry. Students are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. Forty hours of work experience per week. Prerequisite: completion of at least 30 semester credit hours with minimum GPA of 2.5.

COE 235 **Cooperative Education** **(3)**
Second training period designed to make students assertive in the workplace and aware of gaining upward mobility. Students continue to develop skills in their chosen career areas and are closely supervised. Forty hours of work experience per week. Prerequisite: COE 233.

COE 333 **Cooperative Education** **(3)**
Third training period where students continue career related work in their chosen areas. Students are exposed to analyzing and evaluating their career choices through training requirements, working conditions, and employment outlook. Forty hours of work experience per week. Prerequisite: COE 235.

COE 433 **Cooperative Education** **(3)**
Fourth training period where the student/employer exposure is well established and students are prepared for full-time employment upon graduation. Variables affecting decision making and other factors enhancing employee-employer relations explored. Forty hours of work experience per week. Prerequisite: COE 333.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN CIVIL ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 126**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (CIVIL ENGR TECH)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	60 credits	24 credits	21 credits
Communication:		CIVT 141 (3)	CHEM 111 (1)	CIVT 141 (3)
ENG 131 (3) **	ENGL 1301	CIVT 223 (3)	ITEC 331 (3)	CIVT 224 (3)
ENG 132 (3)	ENGL 1302	CIVT 224 (3)	DRFT 131 (3)	CIVT 231 (3)
Mathematics:		CIVT 231 (3)	MATH 134 (3)	CIVT 232 (3)
MATH 133 (3)	MATH 1314	CIVT 232 (3)	MATH 241 (4)	CIVT 233 (3)
Life and physical sciences:		CIVT 233 (3)	MATH 242 (4)	CIVT 332 (3)
CHEM 131 (3)	CHEM 1311	CIVT 301 (3)	PHYS 215 (1)	Technical Elective (3)
PHYS 237 (3)	PHYS 1301	CIVT 332 (3)	PHYS 216 (1)	
Language, philosophy, and culture:		CIVT 333 (3)	PHYS 238 (3)	
ENG 2xx (3) ***		CIVT 334 (3)	ENGT 111 (1)	
Creative arts:		CIVT 335 (3)		
MUSIC 239 (3)	HUMA 1315	CIVT 336 (3)		
American history:		CIVT 337 (3)		
HIST 231 (3)	HIST 1301	CIVT 338 (3)		
HIST 232 (3)	HIST 1302	CIVT 340 (3)		
Government/political science:		CIVT 400 (3)		
POLS 235 (3)	GOVT 2305	CIVT 434 (3)		
POLS 236 (3)	GOVT 2306	ENGT 331 (3)		
Social and behavioral sciences:		CIVT 435 (3)		
SOC 157 (3)	SOCI 1301	Technical Elective (3)^		
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

^The Technical Elective should be selected from one of the following three-credit courses: MATH 345, MATH 474, and ENGT 433.

**BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING TECHNOLOGY
DEGREE PLAN - TOTAL CREDITS: 126**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	*ENG 131 Freshman English	3	ENG 132 Freshman English II
*MATH 133 College Algebra		3	MATH 134 Plane Trigonometry	3
DRAFT 131 Fundamental of Drafting		3	SC 135 Speech	3
CHEM 131 General Chemistry		3	CIVT 223 Hydrology & Water Resources	3
CHEM 111 General Chemistry I Lab		1	MUSIC 239 Fine Arts in Daily Living	3
CIVT 141 Civil Engineering Materials		3		
ENGT 111 Intro to Project Mgmt		1		
		17 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry
MATH 241 Calculus & Geometry I		4	CIVT 224 Geotechnical Engineering	3
CIVT 231 Surveying		3	CIVT 233 Dynamics	3
CIVT 232 Statics		3	CIVT 338 Strength of Materials	3
PHYS 215 College Physics 1 Lab		1	PHYS 216 College Physics II Lab	1
PHYS 237 College Physics 1		3	PHYS 238 College Physics II	3
		17 hrs		17 hrs
		FIFTH SEMESTER		SIXTH SEMESTER
	Third Year	CS 116 Intro to Computer Science	3	CIVT 333 Hydraulics Engineering
CIVT 332 Applied Fluid Mechanics		3	CIVT 334 Transportation Engineering	3
CIVT 336 Structural Analysis		3	CIVT 337 Reinforced Concrete Design	3
POLSC 231 American Pol. System I		3	POLSC 232 America Pol System II	3
HIST 231 Soc. Pol. His. of U.S. to 1877		3	HIST 232 Soc. Pol. His. of U.S. since 1877	3
		15 hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CIVT 301 Environmental Engineering	3	CIVT 335 Geometric Design of Hwys
CIVT 340 Structural Steel Design		3	CIVT 434 Water & Wastewater Eng	3
CIVT 400 Problems in Civil Eng Tech		3	CIVT 435 Civil Eng Const. Methods	3
ITEC 331 Technical Writing		3	ENGT 331 Engineering Economy	3
SOC 157 Intro to Sociology		3	** Technical Elective	3
		15 hrs		15 hrs

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN ELECTRONICS ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ELECTRN ENGR TECH)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	51 credits	31 credits	21 credits
Communication:		ELET 111 (1)	CHEM 111 (1)	ELET 131 (3)
ENG 131 (3) **	ENGL 1301	ELET 114 (1)	ENGT 331 (3)	ELET 133 (3)
ENG 132 (3)	ENGL 1302	ELET 113 (1)	ENGT 333 (1)	ELET 134 (3)
Mathematics:		ELET 131 (3)	DRFT 131 (3)	ELET 235 (3)
MATH 133 (3)	MATH 1314	ELET 133 (3)	ITEC 331 (3)	ELET 353 (3)
Life and physical sciences:		ELET 134 (3)	MATH 134 (3)	ELET 431 (3)
CHEM 131 (3)	CHEM 1311	ELET 212 (1)	MATH 241 (4)	ELET 434(3)
PHYS 237 (3)	PHYS 1301	ELET 215 (1)	MATH 242 (4)	
Language, philosophy, and culture:		ELET 232 (3)	MATH 345 (3)	
ENG 2xx (3) ***		ELET 235 (3)	PHYS 215 (1)	
Creative arts:		ELET 311 (1)	PHYS 216 (1)	
MUSIC 239 (3)	HUMA 1315	ELET 312 (1)	PHYS 238 (3)	
American history:		ELET 313 (1)	ENGT 111 (1)	
HIST 231 (3)	HIST 1301	ELET 331 (3)		
HIST 232 (3)	HIST 1302	ELET 332 (3)		
Government/political science:		ELET 343 (3)		
POLS 235 (3)	GOVT 2305	ELET 410 (1)		
POLS 236 (3)	GOVT 2306	ELET 411 (1)		
Social and behavioral sciences:		ELET 413 (1)		
SOC 157 (3)	SOCI 1301	ELET 422 (3)		
Institutional Options:		ELET 430 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ELET 431 (3)		
CS 116 (3)****	COSC 1301	ELET 440 (4)		
		ELET 434 (3)		
		ELET 441 (0)		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****ELET 130 is often substituted to meet this Computer Science requirement. Please see advisor.

**BACHELOR OF SCIENCE DEGREE IN ELECTRONICS ENGINEERING TECHNOLOGY
DEGREE PLAN - TOTAL CREDITS: 124**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133 College Algebra	3	MATH 134 Plane Trigonometry	3	
	ELET 111 DC Circuit Lab	1	ELET 113 Circuits Lab	1	
	ELET 130 Intro to Stru. Prog. with C++	3	ELET 133 AC Circuits	3	
	ELET 131 DC Circuits	3	CHEM 111 General Chemistry Lab	1	
	DRFT 233 Intro to Computer Aided Design	3	CHEM 131 General Chemistry	3	
	ENGT 111 Intro to Project Management	1	SC 135 Business & Prof. Comm.	3	
		17 hrs		17 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry	4	
	MATH 241 Calculus & Geometry I	4	ELET 212 Electronics II Lab	1	
	ELET 114 Electronics I Lab	1	ELET 232 Electronics II	3	
	ELET 134 Electronics I	3	ENGT 331 Engineering Economy	3	
	ELET 215 Digital Systems Lab	1	**SOC 157 Into to Sociology	3	
	ELET 235 Digital Systems	3			
		15 hrs		14 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ELET 313 Microprocessor Architecture Lab	1	ELET 311 Communicating Systems Lab	1	
	ELET 343 Microprocessor Architecture	3	ELET 331 Communicating Systems	3	
	MATH 345 Applied Math & Stat. for Tech.	3	ITEC 331 Technical Writing	3	
	PHYS 215 College Physics I Lab	1	PHYS 216 College Physics II Lab	1	
	PHYS 237 College Physics	3	PHYS 238 College Physics II	3	
	POLSC 231 America Pol System I	3	POLSC 232 America Pol System II	3	
	HIST 231 Soc. Pol. His. of U.S. to 1877	3	HIST 232 Soc. Pol. His. of U.S. since 1877	3	
	17 hrs		17 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ELET 312 Control Systems Lab	1	ELET 410 Computer Control Systems Lab	1	
	ELET 332 Control Systems	3	ELET 430 Computer Control Systems	3	
	ELET 411 Micro Computer Networks Lab.	1	ELET 413 Microprocessor Interfacing Lab	1	
	ELET 434 Micro Computer Networks	3	ELET 431 Microprocessor Interfacing	3	
	ELET 422 Advanced Stru. Prog. With C++	3	ELET 440 Senior Electronics Project	4	
	MUSIC 239 Fine Arts in Daily Living	3	ELET 441 Electronics SR. Comp	0	
			ENGT 333 Ethics & Pro. Eng. Practice	1	
	14 hrs		13 hrs		

** Satisfies the Social and Behavioral Science Requirement.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN COMPUTER ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (COMPUTER ENGR TECH)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	52 credits	30 credits	21 credits
Communication:		ELET 111 (1)	CHEM 111 (1)	ELET 111 (1)
ENG 131 (3) **	ENGL 1301	ELET 114 (1)	ENGT 331 (3)	ELET 114 (1)
ENG 132 (3)	ENGL 1302	ELET 113 (1)	ENGT 111 (1)	ELET 113 (1)
Mathematics:		ELET 131 (3)	DRFT 131 (3)	ELET 131 (3)
MATH 133 (3)	MATH 1314	ELET 133 (3)	ITEC 331 (3)	ELET 134 (3)
Life and physical sciences:		ELET 134 (3)	MATH 134 (3)	ELET 133 (3)
CHEM 131 (3)	CHEM 1311	ELET 215 (1)	MATH 241 (4)	ELET 235 (3)
PHYS 237 (3)	PHYS 1301	ELET 235 (3)	MATH 242 (4)	CMET 331 (3)
Language, philosophy, and culture:		ELET 313 (1)	MATH 345 (3)	CMET 437 (3)
ENG 2xx (3) ***		ELET 343 (3)	PHYS 215 (1)	
Creative arts:		ELET 411 (1)	PHYS 216 (1)	
MUSIC 239 (3)	HUMA 1315	ELET 434 (3)	PHYS 238 (3)	
American history:		ELET 422 (3)		
HIST 231 (3)	HIST 1301	CMET 331 (3)		
HIST 232 (3)	HIST 1302	CMET 415 (1)		
Government/political science:		CMET 416 (1)		
POLS 235 (3)	GOVT 2305	CMET 417 (1)		
POLS 236 (3)	GOVT 2306	CMET 432 (4)		
Social and behavioral sciences:		CMET 435 (3)		
SOC 157 (3)	SOCI 1301	CMET 436 (3)		
Institutional Options:		CMET 437 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	CMET 441 (0)		
CS 116 (3)****	COSC 1301	CMET 470 (3)		
		CMET 438 (3)		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

****ELET 130 is often substituted to meet this Computer Science requirement. Please see advisor.

**BACHELOR OF SCIENCE DEGREE IN COMPUTER ENGINEERING TECHNOLOGY
DEGREE PLAN - TOTAL CREDITS: 124**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ELET 111 DC Circuit Lab	1	ELET 113 AC Circuits Lab
ELET 131 DC Circuits		3	ELET 133 AC Circuits	3
ELET 130 Intro to Stru. Prog. with C++		3	ENG 132 Freshman English II	3
DRFT 233 Intro to Computer Aided Design		3	MATH 134 Plane Trigonometry	3
ENG 131 Freshman English I		3	CHEM 111 General Chemistry Lab	1
MATH 133 College Algebra		3	CHEM 131 General Chemistry	3
		16 hrs		14 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ELET 114 Electronics I Lab	1	MATH 242 Calculus & Anal. Geometry
ELET 134 Electronics I		3	ENGT 111 Intro to Project Management	1
ELET 215 Digital Systems Lab		1	ENGT 331 Engineering Economy	3
ELET 235 Digital Systems		3	MUSIC 239 Fine Arts in Daily Living	3
MATH 241 Calculus & Geometry I		4	SC 135 Business & Prof. Comm.	3
POLSC 231 America Pol System I		3	POLSC 232 America Pol System II	3
ENG 2xx Upper level English		3		
	18 hrs		17 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ELET 313 Microprocessor Architecture Lab	1	ELET 411 Micro Computer Networks Lab.
ELET 343 Microprocessor Architecture		3	ELET 434 Micro Computer Networks	3
CMET 331 MicroComputer Operating Syst.		3	ITEC 331 Technical Writing	3
MATH 345 Applied Math & Stat. for Tech.		3	PHYS 216 Phys for Eng. II	1
PHYS 215 Physics for Eng.Lab I		1	PHYS 238 College Physics II	3
PHYS 237 College Physics I		3	HIST 232 Soc. Pol. His. of U.S.II	3
HIST 231 Soc. Pol. His. of U.S.I		3		
	17 hrs		14 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ELET 422 Advanced Stru. Prog. With C++	3	CMET 417 Data Commun. Methods Lab
CMET 415 Adv. MicroCom. Networks Lab		1	CMET 437 Data Communication Methods	3
CMET 435 Advanced MicroCom. Networks		3	CMET 432 Senior Project II	4
CMET 416 Applied Microprocessor Soft. Lab		1	CMET 438 Artificial Intelligence	3
CMET 436 Applied Microprocessor Soft		3	CMET 441 Computer Eng. Tech. Comp. Exam	0
SOC 157 Into to Sociology		3	CMET 470 Java Programming	3
		14 hrs		14 hrs

MASTER COURSE SCHEDULE FOR FALL 2014 TO SUMMER 2016

			EVEN YEAR	ODD YEAR	ODD YEAR	ODD YEAR	EVEN YEAR	EVEN YEAR	
COURSE NUMBER	COURSE NAME	CR HRS	FALL	SPR	SUM	FALL	SPR	SUM	PREREQUISITES
CIVT 141	Civil Engr. Mtls	3	x	x		x	x		None
CIVT 223	Water Resource Engineering	3		x			x		None
CIVT 224	Soil Engineering	3		x			x		MATH 134 & CIVT 141
CIVT 231	Plane Surveying I	3	x			x			None
CIVT 232	Statistics	3	x			x			MATH 134 & PHYS 235 or 237
CIVT 233	Dynamics	3		x			x		CIVT 232
CIVT 234	Surveying II	3		x			x		CIVT 231 & MATH 133
CIVT 301	Water and Wastewater Engineering	3	x			x			CHEM 111, 131 & MATH 133
CIVT 332	Applied Fluid Mechanics	3	x			x			CIVT 232 & MATH 134
CIVT 333	Hydraulic Engineering	3		x			x		CIVT 332
CIVT 334	Transportation Engineering	3	x			x			DRFT 132
CIVT 335	Geom Des of Highways	3		x			x		CIVT 334
CIVT 336	Structural Analysis	3		x			x		MATH 241 & CIVT 338
CIVT 337	Reinforced Concrete Design	3	x			x			CIVT 336
CIVT 340	Structural Steel Design	3	x			x			CIVT 336 & CIVT 338
CIVT 400	Civil Engr Tech Project	3	x			x			Senior
CIVT 434	Sanitary Engineering	3		x			x		CIVT 301
CIVT 435	Building Construction	3			x			x	CIVT 337 & CIVT 340
CMET 331	Microcomputer Operating System	3		x			x		None
CMET 412	Senior Project I	1							None
CMET 415	Advanced Microcomp Network Lab	1	x		x	x		x	ELET 411 & ELET 434
CMET 416	Appl of Microproc Software Lab	1	x	x		x	x		None
CMET 417	Data Communication Methods Lab	1		x			x		None
CMET 419	Peripheral Hardware Lab	1		x			x		ELET 313
CMET 432	Senior Project II	3		x			x		CMET 412
CMET 435	Advanced Microcomp Networks	3	x			x			ELET 434
CMET 436	Appl of Microproc Software	3	x			x			ELET 343 & MATH 242
CMET 437	Data Communication Methods	3		x			x		None
CMET 438	Artificial Intelligence	3	x			x			ELET 422
CMET 441	Computer Engr Tech Comp Exam	0	x	x		x	x		Senior
CMET 470	Java Programming	3	x			x			ELET 130 & ELET 422
ELET 111	DC Circuits Lab	1	x	x		x	x		None
ELET 113	AC Circuits Lab	1	x	x	x	x	x	x	ELET 133
ELET 114	Electronics I Laboratory	1	x	x		x	x		None
ELET 130	Intro to Stru Prog with C++	3	x	x	x	x	x	x	None

ELET 131	DC Circuits	3	x	x		x	x		None
ELET 133	AC Circuits	3	x	x	x	x	x	x	ELET 131 & MATH 134
ELET 134	Electronics I	3	x	x		x	x		None
ELET 212	Electronics II Lab	3	x	x		x	x		ELET 132
ELET 214	Digital Logic Circuits Lab	1	x			x			ELET 241
ELET 215	Digital Systems Lab	1		x			x		None
ELET 232	Electronics II	3	x	x		x	x		ELET 132
ELET 243	Digital Systems	3		x			x		None
ELET 311	Communications Systems Lab	1		x			x		ELET 22
ELET 312	Control Systems Lab	1	x			x			ELET 212
ELET 313	Microprocessor Arch Lab	1	x			x			None
ELET 331	Communications Systems	3		x			x		ELET 232 & MATH 242
ELET 332	Control Systems	3	x			x			None
ELET 343	Microprocessor Architecture	3	x			x			ELET 235
ELET 410	Computer Control Sys Lab	1		x			x		ELET 343 & ELET 332
ELET 411	Microcomputer Networks Lab	1	x			x			None
ELET 422	Special Topics	3	x	x	x	x	x	x	None
ELET 430	Computer Control Systems	3		x			x		ELET 343 & ELET 332
ELET 431	Microprocessor Interfacing	3		x	x		x	x	ELET 343
ELET 434	Microcomputer Netowrks	3	x			x			ELET 235
ELET 440	Senior Electronics Project	4	x	x		x	x		None
ELET 441	Electronics Senior Comps	0	x	x		x	x		None
ELET 413	Microprocessor Interfacing Lab	1		x	x		x	x	None
ENGT 111	Intro to Project Mgmt	1	x	x		x	x		None
ENGT 331	Engineering Economy	3	x	x		x	x		None
ENGT 333	Ethics in Prof Eng Practice	3	x	x		x	x		None
ENGT 433	Alternative Energy Tech	3		x			x		None

DEPARTMENT OF ENVIRONMENTAL AND INTERDISCIPLINARY SCIENCES

The Department of Environmental and Interdisciplinary Sciences offers the following degrees, Master of Science (M.S.—both thesis and non-thesis) and the Doctorate of Philosophy (Ph.D.) in Environmental Toxicology. The teaching facilities, research facilities, and faculty members for the Department are housed on the 1st and 3rd floors of the TSU Science Building with the Department Office located in Room 303. In addition to the graduate level programs, the department offers the general education course in Geology (GEOL 141).

Students interested in pursuing the Master of Science or a Doctorate of Philosophy in Environmental Toxicology should consult the Graduate School Bulletin of Texas Southern University for further information.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Balaji-Bhaskar, Maruthi Sridhar Assistant Professor Ph.D. Mississippi State University M.S. Acharya N.G. Ranga Agricultural University B.S. Acharya N.G. Ranga Agricultural University</p>	<p>Yakubu, Momoh A. Associate Professor Ph.D., University of Glasgow B.S., University of Ibadan</p>
<p>Hwang, Hyun-Min Visiting Assistant Professor Ph.D., Texas A&M University M.S., Hanyang University B.S., Hanyang University</p>	<p>Rosenzweig, Jason A. Associate Professor of Biology, Interim Chair Ph.D., University of Miami Miller School of Medicine B.S., Florida Atlantic University</p>
<p>Wilson, Bobby L. Professor of Chemistry and Director of the Environmental Toxicology Program Ph.D., Michigan State University M.S., Southern University B.S., Alabama State University</p>	

ENVIRONMENTAL AND INTERDISCIPLINARY SCIENCES COURSES

GEOL 141

Introduction to the Earth

(3)

Introduction to the study of the earth is an introductory course in physical and historical geology. It involves the study of the principles of geology, study of the earth's composition, structure, and internal and external processes. It includes the geologic history of the earth and the evolution of life. This course comprises three hours of lecture per week.

Listed as GEOL 1303 in the TCCNS and satisfies 3 credit hours of the following general education core curriculum component area: Life and Physical Sciences.

DEPARTMENT OF INDUSTRIAL TECHNOLOGIES

The Bachelor of Science (B.S.) degree in Industrial Technology, with concentrations in Construction Technology (CONS) and Design Technology (DRFT), is offered in the Department of Industrial Technologies. Supporting courses in Cooperative Education (COE), Industrial Technology (ITEC), and Automated Manufacturing Technology (MFG) are also offered through the Department. Two minors are offered for students pursuing majors in other academic disciplines and who are required to declare a minor in a second academic discipline for graduation. One minor is offered in Industrial Technology, and the other minor is offered in Community Development. All programs are accredited by The Association of Technology, Management, and Applied Engineering (ATMAE). Members of the Department are housed in the Leonard H.O. Spearman Technology Building. Detailed information on concentrations and minors is provided below.

In seeking the B.S. in Industrial Technology through this unit, students may select from two (2) different curriculum concentrations that focus on one of the following areas of concentration: Construction Technology or Design Technology. Students are not required to declare a minor in a second academic discipline in selecting one of the available concentrations. Detailed information on both options leading to the B.S. in Industrial Technology is provided below.

The primary mission of the Department is to offer programs of study designed to prepare students as “management-oriented technical professionals” who have practical knowledge, competencies, skills, and training to serve and function in the Industrial/Manufacturing Enterprise System. In pursuing this mission, the Department seeks to prepare Industrial Technologists and Technical Managers for career opportunities in the Manufacturing, Construction, and Communications Industries.

Students wishing to earn the B.S. in Industrial Technology must first gain admission to the University, must satisfy TSI requirements and eradicate identified deficiencies through the Student Academic Enhancement Services (SAES), must contact the Department Office while satisfying TSI requirements for advisement, and must petition the Department for admission once TSI requirements have been completed and deficiencies removed. Students wishing to minor in Industrial Technology should contact the Department Office once they have been admitted as majors in other academic units of the University and have met all TSI requirements. **Prior to graduation, all courses required for the degree must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable) and majors must pass an exit examination during their senior year.**

For the minor in Industrial Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable). Fifteen (15) of the twenty-one (21) credits must be selected from one of three academic disciplines offered through the unit: CONS, DRFT, or MFG. Three (3) additional semester credit hours must be selected from a second of these three disciplines. The last three (3) semester credit hours required must be taken through enrollment in one of the following: ITEC 331, ITEC 333, or ITEC 439. Minors must also complete the following two (2) Mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above and with the same grade restrictions: MATH 133 (3 credits) and MATH 134 (3 credits). All programs of study for minors must be approved, in advance, by the Faculty Chair prior to enrollment in courses.

The minor in Community Development represents a comprehensive, interdisciplinary approach that includes courses offered through the unit, as well as courses offered through other units at the University. A total of twenty-one (21) semester credit hours must be completed which are broadly apportioned between theoretical knowledge (18 credits) and experiential learning (3 credits). **Courses enrolled for in seeking this minor must be completed with grades of “C” or better where grades below “C”, including “C-”, are unacceptable.** Students seeking the Community Development minor are required to enroll in the following courses offered through this unit: ITEC 131 (3 credits), ITEC 335 (3 credits), CONS 344 (3 credits), CONS 435 (3 credits), and COE 333 (3 credits). Outside of this unit, students are required to complete the following two courses in order to complete the minor: SOC 337 (3 credits) and MGMT 400 (3 credits).

Students requiring additional information should contact the Department either directly or by calling 713-313-7679

LISTING OF FACULTY IN THE DEPARTMENT

<p>Horner, Jessie E. Associate Professor (Interim Chair) B.S., Northwestern State University M.S., Texas Southern University Ed.D., University of Houston</p>	<p>Lott, Carl B. Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>
<p>Lewis, J. Jonathan, CSTM Associate Professor A.A., Kingsboro College B.B.A., Jones College M.S., Ed.D., Texas Southern University</p>	<p>Osakue, Edward E. Assistant Professor B.Eng., University of Benin M.Eng., University of Benin Ph.D., University of New Brunswick</p>

CONSTRUCTION TECHNOLOGY COURSES

CONS 131	Introduction to Construction Development (3) Introduction to the overall construction industry to include history, career opportunities, entrepreneurship, types of construction, differences in office and jobsite working conditions, plan reading and vocabulary. Three hours of lecture per week
CONS 141	Materials and Applications (2) Sources, properties, acceptable and recommended applications of industrial materials in the construction industry. Two hours of lecture per week.
CONS 141L	Materials and Applications Lab (1) Laboratory exercises on applications of industrial materials. Two hours of laboratory per week. Co-requisite: CONS 141
CONS 242	Framing Principles (1) Foundation and wall framing techniques essential to residential and light commercial construction and construction details involving form building, bracing, steps, and geometry of roofing systems. One hour of lecture lab per week. Co-requisite: CONS 242L. Prerequisite: CONS 141.
CONS 242L	Framing Principles Lab (2) Laboratory exercises in foundation and wall framing techniques n construction details for residential and light commercial construction. Four hours of laboratory per week. Co-requisite: CONS 242.
CONS 243	Energy Efficiency and Construction (1) Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. One hour of lecture per week. Co-requisite: CONS 243L. Prerequisite: CONS 242.
CONS 243L	Energy Efficiency and Construction (2) Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. Four hours of laboratory per week. Co-requisite: CONS 243.
CONS 244	Construction Safety (3) Examination of specialized procedures in health, safety, and environmental protection and loss prevention for the construction industry. Requirements of OSHA and other federal and state standards and regulations emphasized. Three hours of lecture per week.
CONS 331	Models and Presentations (1) Three-dimensional requirements for models using computer-aided drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. One hour of lecture per week. Co-requisite: CONS 331L. Prerequisites: DRFT 133, DRFT 232 and CONS 242.
CONS 331L	Models and Presentation Lab (2) Exercises in drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. Four hours of laboratory per week. Co-requisite: CONS 331.
CONS 333	Quantity Surveying (2) Quantity surveying for construction and engineering along with bid preparation and analysis where computer applications are emphasized. Two hours of lecture and per week. Prerequisite: Consent of the instructor. Co-requisite: CONS 333L.
CONS 333L	Quantity Surveying Lab (1) Exercises in the accurate use of estimating methods and correct visualization of work. Two hours of laboratory per week. Co-requisite: CONS 333.

CONS 334	Concrete Technology Methods for forming concrete, concrete elements and handling, and reinforced concrete. One hour of lecture per week. Co-requisite: 334L; Prerequisites: CONS 242 and DRFT 133.	(1)
CONS 334L	Concrete Technology Lab Exercises in forming, elements, and handling of concrete. Four hours of laboratory per week. Co-requisite: CONS 334.	(2)
CONS 341	MEPFI Systems Introduction to Mechanical, Electrical, Plumbing, Fire and information distribution systems found in the design and building phases of construction. Emphasis on how these systems support occupant's use; climate specific issues and the impact of these distributions systems on their uses. Two hours of lecture per week. Co-requisite: 341L. Prerequisites: CONS 242 and DRFT 232 or the equivalents.	(2)
CONS 341L	MEPFI Systems Lab Exercises in Mechanical. Electrical, Plumbing, Fire, and information distribution systems found in the design and building phases of construction. Two hours of laboratory per week. Co-requisite: CONS 341.	(1)
CONS 344	Construction Management I Study of the principles of construction systems management with emphasis on stages of construction, management information systems, and operations management. One hour of lecture per week. Co-requisite: CONS 344L. Prerequisite: CONS 334.	(1)
CONS 344L	Construction Management I Lab Exercises in the stages of construction, management information systems, and operations management. Four hours of laboratory per week. Co-requisite: CONS 344.	(2)
CONS 433	Estimating Instruction in making materials and labor estimates for residential and light commercial buildings primarily from the use of working drawings. One hour of lecture per week. Corequisite: CONS 433. Prerequisites: CONS 242 and DRFT 232 or the equivalents.	(2)
CONS 433L	Estimating Lab Instruction in costing materials and labor for residential and light commercial buildings primarily from the use of working drawings. Two hours of laboratory per week. Co-requisite: CONS 433.	(1)
CONS 435	Contracts and Specifications Legal aspects of contracts, specifications, and legal documents along with bidding procedures. Students required to develop contract documents and specifications. Two hours of lecture and two hours of laboratory per week. Prerequisites: Senior standing and consent of the Faculty Chair or instructor.	(3)
CONS 436	Construction Management II Management functions, by which construction projects are authorized, financed, supervised, and closed out. Emphasis on the development of effective supervisory and managerial techniques using computer databases. Two hours of lecture per week. Co-requisite: CONS 436L. Prerequisite: Senior standing or consent of the instructor.	(2)
CONS 436L	Construction Management II Lab Exercises in the management functions of construction projects. Two hours of laboratory per week. Co-requisite: CONS 436.	(1)
CONS 437	Construction Problems Independent, in-depth study and analysis of special problems related to construction where students must use critical and creative thinking skills for formulating solutions. Three hours of lecture per week. Prerequisites: Senior standing and consent of the instructor.	(3)
CONS 451	Mechanical Systems Principles of air conditioning and heating systems used in commercial and residential buildings with emphasis on planning and designing systems. One hour of lecture per week. Co-requisite: CONS 451L. Prerequisite: Consent of the instructor.	(1)

DRFT 136L	Architectural Rendering Lab Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. Four hours of laboratory per week. Co-requisite: DRFT 136.	(2)
DRFT 231	Pipe Drafting Piping terminology, description of piping equipment, fittings and instruments. Pipe materials, sizes, ratings and applications. Creation of process block diagrams, (PBDs); PFDs and P&IDs, Creation of piping isometric diagrams. Two hours of lecture per week. Co-requisite: DRFT 231L. Prerequisite: DRFT 131.	(2)
DRFT 231L	Pipe Drafting Lab Piping terminology, equipments, valves, pipe fittings and instruments; PFDs and P&ID, piping isometric drawings. Two hours of laboratory per week. Co-requisite: DRFT 231.	(1)
DRFT 232	Architectural Design Introduction to structural materials selection and structural design of buildings. Modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of lecture per week. Co-requisite: DRFT 232L. Prerequisite: DRFT 133.	(2)
DRFT 232L	Architectural Design Lab Graphic modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of laboratory per week. Corequisite: DRFT 232.-	(1)
DRFT 233	Introduction to Computer-Aided Design Basic concepts, operations, and procedures necessary for producing engineering drawings on the computer. Solid modeling of mechanical and electrical/electronic components and assemblies. One hour of lecture per week. Co-requisite: DRFT 233L. Prerequisite: DRFT 131or Permission from Instructor. Listed as ARCH 1315 in the Texas Common Course Numbering System.	(1)
DRFT 233L	Introduction to Computer-Aided Design Lab Basic concepts, operations, and procedures necessary for producing solid models and engineering drawings on the computer. Four hours of laboratory per week. Co-requisite: DRFT 233.	(2)
DRFT 331	Pipe System Design Piping systems layout design and components integration, solid modeling of piping systems using industry standard software. Selection of valves, pumps, etc. Two hours of Lecture per week. Co-requisite: DRFT 331L. Prerequisite: DRFT 231.	(2)
DRFT 331L	Pipe System Design Lab Piping system layout considerations, solid modeling of piping units and systems using industry standard software. Two hours of laboratory per week. Co-requisite: DRFT 331.	(1)
DRFT 333	Machine Design Machine diagrams. Theory and practice of design of shafts, gears, cams, assembly modeling and drawings of machine. Two hours of Lecture per week. Co-requisite: DRFT 333L. Prerequisite: DRFT134 or DRFT 233.	(2)
DRFT 333L	Machine Design Lab Design practice of shafts, gears, cams, etc.; assembly modeling and drawings of machine. Two hours of laboratory per week. Co-requisite: DRFT 333.	(1)
DRFT 336	Computer Aided Design Use of CAD software in design sizing, analysis and parametric modeling. Introduction to Rapid prototyping and CAD with applications in mechanical, electronics, and piping systems. Two hours of lecture week. Co-requisite: DRFT 336L. Prerequisite: DRFT 134 or DRFT 233.	(2)
DRFT 336L	Computer Aided Design Lab Advanced and parametric modeling of components and assemblies. Design sizing and analysis. CAD and rapid prototyping. Two hours of laboratory per week. Co-requisite: DRFT 336. Prerequisite: DRFT 134 or DRFT 233.	(1)

DRFT 430	Advanced Computer-Aided Design Continuation of DRFT 233 with emphasis on advanced solid modeling such as parametric modeling and detailed assembly drawings. Two hours of lecture per week. Co-requisite: DRFT 430L. Prerequisite: DRFT 233.	(2)
DRFT 430L	Advanced Computer-Aided Design Lab Continuation of DRFT 233 with emphasis on advanced solid modeling and detailed assembly. Two hours of laboratory per week. Co-requisite: DRFT 430.	(1)
DRFT 431	Structural Design Design evaluation of building and structural integrity with respect to bending and compressive loads, etc.; solid modeling of buildings; consideration of applicable standards. Two hours of lecture per week. Co-requisite: DRFT 431L. Prerequisites: DRFT 232 or the consent of the instructor.	(2)
DRFT 431L	Structural Design Lab Graphic modeling and drawings of fabrication, connectors and seats for beam, girders, columns, and trusses adhering to ASIC standards. Two hours of laboratory per week. Co-requisite: DRFT 431.	(1)
DRFT 432	Senior Design Project Integration of previous knowledge in the development of a design project. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair. Co-requisite: DRFT 432L.	(1)
DRFT 432L	Senior Design Project Lab Integration of previous knowledge in the development of a design project. Four hours of laboratory per week. Co-requisite: DRFT 432.	(2)

INDUSTRIAL TECHNOLOGY COURSES

ITEC 111	Orientation Orientation to the College of Science and Technology and the University with discussion of career opportunities available in industrial and engineering technology and related area. One hour of lecture per week.	(1)
ITEC 131	Introduction to Community Development Introduction to community development with emphasis on community development issues: new construction and rehabilitation, residential and commercial development, and business development. Three hours of lecture per week.	(3)
ITEC 331	Technical Writing Techniques of collecting and presenting technical and scientific data, including definitions, evaluations, basic letters, abstracts, memoranda, and written reports. Three hours of lecture per week. Prerequisites: ENG 131 and 132.	(3)
ITEC 333	Industrial Supervision and Management Study of management and supervision skills and concepts to enhance interpersonal relationships and motivational factors necessary for productivity in an organized industrial environment. Three hours of lecture per week. Prerequisites: Junior standing and consent of the Faculty Chair.	(3)
ITEC 335	Community Development Finance Explores the financial skills required for the successful operation of a community development corporation within the context of overall economic development finance. Three hours of lecture per week. Prerequisite: ITEC 131.	(3)
ITEC 412	Senior Seminar Organized to help senior students prepare to exit the University and to become employed. Emphasis on interviewing skills and resume preparation. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.	(1)

MFG 333	Strength of Materials Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of lecture per week. Co-requisite: MFG 333L. Prerequisites: Math 134 and Physics 237 or permission from instructor	(2)
MFG 333L	Strength of Materials Lab Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of laboratory per week. Co-requisite: MFG 333.	(1)
MFG 432	Flexible Manufacturing Systems Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture per week. Co-requisite: MFG 432L. Prerequisite: MFG 331.	(1)
MFG 432L	Flexible Manufacturing Systems Lab Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. Four hours of laboratory per week. Co-requisite: MFG 432.	(2)
MFG 433	Manufacturing Technology Problems Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. One hour of lecture per week. Co-requisite: MFG 433L. Prerequisites: Senior standing and consent of the instructor.	(1)
MFG 433L	Manufacturing Technology Problems Lab Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. Four hours of laboratory per week. Co-requisite: MFG 433.	(2)

COOPERATIVE EDUCATION COURSES

COE 233	Cooperative Education I Designed to give students experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. Twenty to forty hours of work experience per week. Prerequisites: Completion of at least 30 semester credit hours with minimum GPA of 2.50.	(3)
COE 235	Cooperative Education II Designed to make students assertive in the workplace, aware of gaining upward mobility, and continue to develop skills in their chosen career areas. Twenty to forty hours of work experience per week. Prerequisite: COE 233.	(3)
COE 333	Cooperative Education III Students continue career related work in their chosen areas, and evaluating their career choices through training requirements, working conditions, and employment outlook. Twenty to forty hours of work experience per week. Prerequisite: COE 235.	(3)
COE 433	Cooperative Education IV Student/employer exposure is well established and students are prepared for full-time employment. Twenty to forty hours of work experience per week. Prerequisite: COE 333 or senior level standing.	(3)

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE
IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY CONCENTRATION
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD) 42 credits	TCCNS EQUIVALENT	MAJOR (CONSTRUCT TECH) 36 credits	OTHER REQUIREMENTS 42 credits
<u>Communication:</u>			
ENG 131 (3)**	ENGL 1302	CONS 131 (3)	ACCT 231 (3)^
ENG 132 (3)	ENGL 1302	CONS 141 (3)	CIVT 231 (3)
<u>Mathematics:</u>			
MATH 133 (3)	MATH 1314	CONS 242 (3)	COE 433 (3)
<u>Life and physical science:</u>			
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CONS 333 (3)	ELET 131 (3)
PHYS 237 (3)	PHYS 1301	CONS 334 (3)	DRFT 132 (3)
<u>Language, philosophy, and culture:</u>			
ENG 2xx (3)***		CONS 341 (3)	DRFT 133 (3)
<u>Creative arts:</u>			
ART 131 (3)	ARTS 1316	CONS 344 (3)	DRFT 232 (3)
<u>American history:</u>			
HIST 235 (3)	HIST 1301	CONS 433 (3)	DRFT 431 (3)
HIST 236 (3)	HIST 1302	CONS 437 (3)	ELET 131 (3)
<u>Government/political science:</u>			
POLS 235 (3)	GOVT 2305	CONS 475 (3)	ITEC 111 (1)
POLS 236 (3)	GOVT 2306		ITEC 331 (3)
<u>Social and behavioral sciences:</u>			
ECON 231 (3)	ECON 2301		ITEC 333 (3)
<u>Institutional Options:</u>			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		ITEC 412 (1)
CS 116 (3)	COSC 1300		ITEC 439 (3)
			MATH 138 (3)
			MFG 333 (3)

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, OR ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, OR ENGL 2326)

^Math 138 - prerequisite for ACCT 231

**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 122**

Approved by the Association of Technology, Management, and Applied Engineering (ATMAE)

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ART 131 Drawing and Composition I	3	CONS 141 Materials and Methods
CONS 131 Intro to Const Develop		3	CONS 141L Materials and Methods Lab	1
ENG 131* Freshman English I		3	CHEM 131 or BIOL 143	3
DRFT 131 Fundamentals of Drafting		1	ELET 131 DC Circuits Lec	3
DRFT 131L Fundamentals of Drafting Lab		2	ENG 132 Freshman English II	3
MATH 133* College Algebra		3	MATH 138 Math for Business & Econ Analy II	3
CS 116 Intro to Computer Science I Lec		3	ITEC 111 Orientation	1
		18 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CIVT 231 Surveying I	3	CONS 334 Concrete Technology
CONS 242 Framing Principles		2	CONS 334L Concrete Technology Lab	2
CONS 242L Framing Principles Lab		1	DRFT 232 Architectural Design	2
DRFT 133 Architectural Drafting		1	DRFT 232L Architectural Design Lab	1
DRFT 133 Architectural Drafting		2	PHYS 237 College Physics I Lec	3
ENG 2XX (Upper Level)		3	HIST 232 Social & Political History of the United States to 1877	3
HIST 231 Social & Political History of the United States to 1877		3	POLS 236 American Political Systems II	3
POLS 235 American Political Systems I		3		
	18 hrs		15 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECON 231 Principles of Economics	3	ACCT 231 Principles of Accounting
CONS 333 Quantity Surveying			CONS 341 (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems	2
CONS 333L Quantity Surveying Lab		2	CONS 341L (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems Lab	1
CONS 344 Construction Management I		1	CONS 433 Estimating	2
CONS 344L Construction Management I Lab		2	CONS 433L Estimating Lab	1
CIVT 232 Engineering Statics		3	MFG 333 Strength of Materials	2
ITEC 331 Technical Writing		3	MFG 333L Strength of Materials Lab	1
ITEC 333 Supervision and Management		3	SC 135 or 136 business & Professional Communication or Public Address	3
	18 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	COE 433 Cooperative Education	3	CONS 437 Construction Problems
CONS 436 Construction Management II		2	ITEC 412 Senior Seminar	1
CONS 436L Construction Management II Lab		1	ITEC 439 Industrial Safety	3
CONS 435 Contracts and Specifications		3	CONS 475 Facilities Management	2
DRFT 431 Structural Design		2	CONS 475L Facilities Management Lab	1
DRFT 431L Structural Design Lab		1	Comprehensive Examination	0
	12 hrs		10 hrs	

*Pending acceptable score on English and Mathematics Placement Examination and Drafting 131

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE
IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM* (STANDARD)	TCCNS	MAJOR (CONSTRUCT TECH)	OTHER REQUIREMENTS
42 credits	EQUIVA- LENT	36 credits	42 credits
Communication:			
ENG 131 (3)**	ENGL 1302	DRFT 131 (3)	ACCT 231 (3)^
ENG 132 (3)	ENGL 1302	DRFT 132 (3)	CONS 141 (3)
Mathematics:			
MATH 133 (3)	MATH 1314	DRFT 133 (3) DRFT 134 (3)	CONS 333 (3) CIVT 232 (3)
Life and physical science:			
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	DRFT 231 (3) DRFT 232 (3)	DRFT 336(3) ELET 131 (3)
PHYS 237 (3)	PHYS 1301	DRFT 233 (3)	ITEC 111 (1)
Language, philosophy, and culture:			
ENG 2xx (3)***		DRFT 331 (3) DRFT 333 (3)	ITEC 331 (3) ITEC 333 (3)
Creative arts:			
ART 131 (3)	ARTS 1316	DRFT 430 (3) DRFT 431 (3)	ITEC 412 (1) ITEC 439 (3)
American history:			
HIST 235 (3)	HIST 1301	DRFT 432 (3)	MATH 134 (3)
HIST 236 (3)	HIST 1302		MATH 138 (3)
Government/political science:			
POLS 235 (3)	GOVT 2305		MFG 231 (3)
POLS 236 (3)	GOVT 2306		MFG 333 (3)
Social and behavioral sciences:			
ECON 231 (3)	ECON 2301		
Institutional Options:			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
CS 116 (3)	COSC 1300		

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, OR ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, OR ENGL 2326)

^Math 138 - prerequisite for ACCT 231

**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

Approved by the Association of Technology, Management, and Applied Engineering (ATMAE)

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ART 131 Drawing and Composition I	3	CONS 141 Materials and Applications
CS 116 Introduction to Computer Science I		3	CONS 141L Materials and Applications Lab	1
DRFT 131 Fundamentals of Drafting		1	DRFT 132 Descriptive Geometry	1
DRFT 131L Fundamentals of Drafting		2	DRFT 132L Descriptive Geometry Lab	2
ENG 131* Freshman English I		3	ELET 131 DC Circuits Lec	3
ITEC 111 Orientation		1	ENG 132 Freshman English II	3
MATH 133* College Algebra		3	MATH 134 Trigonometry	3
		16 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 131 General Chemistry I Lec	3	DRFT 231 Pipe Drafting
DRFT 133 Architectural Drafting		1	DRFT 231L Pipe Drafting Lab	1
DRFT 133L Architectural Drafting Lab		2	DRFT 232 Architectural Design	2
DRFT 134 Mechanical Drafting		2	DRFT 232L Architectural Design Lab	1
DRFT 134L Mechanical Drafting Lab		1	MATH 138 Math for Business & Econ Analy II	3
ENG 2xx Upper level English		3	PHYS 237 College Physics I Lec	3
MFG 231 Manufacturing Processes		2	PHYS 213 College Physics I Lab	1
MFG 231L Manufacturing Processes Lab		1	SC 135 Business & Professional Communication	3
	15 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ACCT 231 Principles of Accounting	3	PSY 131 Introduction to Psychology
CIVT 232 Engineering Statics		3	DRFT 331 Piping System Design	2
DRFT 233 Basic Computer Drafting		1	DRFT 331L Piping System Design Lab	1
DRFT 233L Basic Computer Drafting Lab		2	HIST 232 Social & Political History of the United States since 1877	3
HIST 231 Social & Political History of the United States to 1877		3	ITEC 331 Technical Writing	3
POLS 235 American Political Systems I		3	CONS 341 (MEPFT) Intro to Mechanical, Electrical, Plumbing, Fire, and Information distribution systems	2
ITEC 333 Supervision and Management		3	CONS 341L (MEPFT) Intro to Mechanical, Electrical, Plumbing, Fire, and Information distribution systems	1
			MFG 333 Strength of Material	2
		MFG 333L Strength of Material Lab	1	
	18 hrs		18 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	DRFT 333 Machine Design	2	DRFT 430 Advance Computer-Aided Design
DRFT 333L Machine Design Lab		1	DRFT 430L Advance CAD Design Lab	1
DRFT 431 Structure Design		2	DRFT 432 Senior Design Project	1
DRFT 431L Structure Design Lab		1	DRFT 432L Senior Design Project	2
CONS 333 Quantity Surveying		2	ITEC 412 Senior Seminar	1
CONS 333L Quantity Surveying Lab		1	ITEC 439 Industrial Safety	3
POLS 236 American Political Systems II		3	Comprehensive Exam	0
	12 hrs		10 hrs	

*Pending acceptable score on English and Mathematics Placement Examinations

MASTER COURSE SCHEDULE FOR FALL 2014 TO SUMMER 2016

COURSE NUMBER	COURSE NAME	CREDIT HOURS	ODD YEAR				EVEN YEAR				PREREQUISITES	CO-REQUISITES
			FALL		SUM	FALL						
CONS 131	Introduction to Construction Development	3	X			X						
CONS 141	Construction Materials and Methods	2		X				X		CONS 131	CONS 141L	
Cons 141L	Construction Materials and Methods Lab	1		X				X			CONS 141	
CONS 242	Framing Principles	1	X			X				CONS 141	CONS 242L	
CONS 242L	Framing Principles Lab	2	X			X					CONS 242	
CONS 243	Energy Efficiency and Construction	1						X		CONS 242	CONS 243L	
CONS 243L	Energy Efficiency and Construction Lab	2						X			CONS 243	
CONS 244	Construction Safety	3		X						CONS 141		
CONS 331	Models and Presentations	1				X				CONS 242	CONS 331L	
CONS 331L	Models and Presentations Lab	2				X					CONS 331	
CONS 333	Quantity Surveying	2	X							CONS 242 & DFTG 232	CONS 333L	
CONS 333L	Quantity Surveying Lab	1	X								CONS 333	
CONS 334	Concrete Technology	1		X						CONS 141	CONS 334L	
CONS 334L	Concrete Technology Lab	2		X							CONS 334	
CONS 341	MEPFI	2						X		CONS 242	CONS 341L	
CONS 341L	MEPFI Lab	1						X			CONS 341	
CONS 344	Construction Management I	1				X				CONS 242	CONS 344L	
CONS 344L	Construction Management I Lab	2				X					CONS 344	
CONS 433	Estimating	2		X						CONS 333	CONS 433L	
CONS 433L	Estimating Lab	1		X							CONS 433	
CONS 435	Constricts and Specifications	3	X							CONS 333	CONS 435L	
CONS 436	Construction Management II	2						X		CONS 344	CONS 436L	

CONS 436L	Construction Management II Lab	1					X		CONS 344	CONS 436
CONS 437	Construction Problems	3	x	x		x	x		Senior Level	
CONS 451	Mechanical Systems	1	X						CONS 242	CONS 451L
CONS 451L	Mechanical Systems Lab	2	X							CONS 451
CONS 475	Facilities Management	2				X			Senior Level	CONS 475L
CONS 475L	Facilities Management Lab	1				X			Senior Level	CONS 475
DRFT 131	Fundamentals of Drafting	1	x	x		x	x			DRFT 131L
DRFT 131L	Fundamentals of Drafting Lab	2	x	x		x	x			DRFT 131
DRFT 132	Descriptive Geometry	1		x			x		DRFT 131	DRFT 132L
DRFT 132L	Descriptive Geometry Lab	2		x			x		-	DRFT 132
DRFT 133	Architectural Drafting	1	x			x			DRFT 131	DRFT 133L
DRFT 133L	Architectural Drafting Lab	2	x			x				DRFT 131
DRFT 134	Mechanical Drawing	2		x			x		DRFT 131	DRFT 134L
DRFT 134L	Mechanical Drawing Lab	1		x			x			DRFT 134
DRFT 136	Architectural Rendering	1	x			x			DRFT 133	DRFT 136L
DRFT 136L	Architectural Rendering Lab	2	x			x			DRFT 133	DRFT 136
DRFT 231	Pipe Drafting	2	x			x			DRFT 131	DRFT 231L
DRFT 231L	Pipe Drafting Lab	1	x			x				DRFT 231
DRFT 232	Architectural Design	2		x			x		DRFT 133	DRFT 232L
DRFT 232L	Architectural Design Lab	1		x			x			DRFT 232
DRFT 233	Introduction to Computer-Aided Design	1	x	x	x	x	x	x	DRFT 131	DRFT 233L
DRFT 233L	Introduction Computer-Aided Design Lab	2	x	x	x	x	x	x		DRFT 233
DRFT 331	Pipe System Design	2	x			x			DRFT 231	DRFT 331L
DRFT 331L	Pipe System Design Lab	1	x			x				DRFT 331
DRFT 333	Machine Design	2		x			x		DRFT 134 & DRFT 233	DRFT 333L
DRFT 333L	Machine Design Lab	1		x			x			DRFT 333
DRFT 336	Computer-Aided Design	2	x	x		x	x		DRFT 232	DRFT 336L

DRFT 336L	Computer-Aid-ed Design Lab	1	x	x		x	x			DRFT 336
DRFT 430	Advanced Computer-Aid-ed Design	1		x			x		DRFT 233	DRFT 430L
DRFT 430L	Advanced Computer-Aid-ed Design Lab	2		x			x			DRFT 430
DRFT 431	Structural Drafting and Design	2	x			x			DRFT 133	DRFT 431L
DRFT 431L	Structural Drafting and Design Lab	1	x			x				DRFT 431
DRFT 432	Senior Design Project	1			x			x	SR. LEV & consent of Chair	DRFT 432L
DRFT 432L	Senior Design Project Lab	2			x			x		DRFT 432
ITEC 111	Orientation	1	x	x		x	x			
ITEC 131	Introduction to Community Development	3								
ITEC 331	Technical Writing	3	X	X	X	X	X	X	ENG 131 & Eng 132	
ITEC 333	Industrial Supervision and Management	3							JR LEV & consent of Chair	
ITEC 335	Community Development Finance	3		X					ITEC 131	
ITEC 412	Senior Design Seminar	3	x	X		x	X		SR LEV & consent of Chair	
ITEC 439	Industrial Safety	3			X			X	SR LEV & consent of Chair	
ITEC 495	Special Topics	3	x	x	X	x	x	X	SENIOR LEVEL	
MFG 131	Manufacturing Technology I	1								MFG 131L
MFG 131L	Manufacturing Technology I Lab	2								MFG 131
MFG 231	Manufacturing Processes	2	x			x			MFG 131	MFG 231L
MFG 231L	Manufacturing Processes Lab	1	x			x				MFG 231
MFG 232	Manufacturing Technology II	1							MFG 131	MFG 232L
MFG 232L	Manufacturing Technology II Lab	2								MFG 232
MFG 331	CNC Computer Programming	1							Consent of Instr	MFG 331L

MFG 331L	CNC Computer Programming Lab	2								MFG 331
MFG 332	Robotics Technology	1							Consent of Inst	MFG 332L
MFG 332L	Robotics Technology Lab	2								MFG 332
MFG 333	Strength of Materials	2	x			x			MATH 134 & PHYS 235	MFG 333L
MFG 333L	Strength of Materials Lab	1	x			x				MFG 333
MFG 432	Flexible Manufacturing Systems	1							MFG 331	MFG 432L
MFG 432L	Flexible Manufacturing Systems	2								MFG 432
MFG 433	Manufacturing Technology Problems	1	x			x			SR LEV & consent of Instr	MFG 433L
MFG 433L	Manufacturing Technology Problems Lab	2		x			x			MFG 433

DEPARTMENT OF MATHEMATICS

As one of the largest instructional units in the University, the Department of Mathematics offers courses in Mathematics (MATH), the Bachelor of Science (B.S.) Degree in Mathematics and a minor in Mathematics for students majoring in other academic disciplines at the University. The Department provides major support to the overall undergraduate curriculum at Texas Southern University since every undergraduate degree or program of study requires the completion of at least three semester credit hours in Mathematics for graduation. Instructional facilities and the Department Office (Room 111K) are located on the first floor of the Science Building. Faculty members are housed on the first floor of the Science Building.

The mission of the Department of Mathematics is to make all students who matriculate through Texas Southern University aware of the role that Mathematics plays in the modern world and to allow them to develop sufficient skills in utilizing the processes and techniques of Mathematics to pursue their chosen fields of study, as well as to deal with mathematical processes on a daily basis. In the realization of this mission, students are prepared for a variety of careers, for negotiating the rigors of various curricula of study that are heavily dependent upon the understanding of mathematical processes, and for graduate study and research.

The goals of the Mathematics program are the following:

- The graduate will have developed learning skills and acquired a firm foundation of knowledge of fundamental mathematical concepts, methods, reasoning and language sufficient to support further academic work or a career in area that requires mathematical understanding.
- The graduate will exhibit understanding of advanced mathematical concepts and analytical skills, and also utilize appropriate technology to develop models for solving problems and analyzing new situations, both in mathematics and in areas that use mathematics.

The Mathematics program Student Learning Outcomes are to:

- Exhibit understanding of advanced mathematical concepts and analytical skills.
- Master the essentials of calculus sufficiently to apply those skills in more advanced mathematics classes.
- Use mathematical modeling to solve problems from fields such as natural sciences, social sciences, business and engineering.
- Apply knowledge relating to set theory, functions, and equivalence relation to advanced mathematics courses.
- Write mathematical proofs when required in upper level and advanced mathematics courses.
- Understand the concepts of random variable, distribution functions, and theoretical versus, simulated probability and apply them to real world situations.

Students wishing to pursue the B.S. Degree in Mathematics are required to declare a minor or a major in a second academic discipline. All courses completed that are designated for the minor selected must be completed with grades of “C” or better, where grades of “C-” are unacceptable. In selecting a minor, majors should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum of study could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 121 semester credit hours satisfactorily completed.

Requirements for both the B.S. in Mathematics and the minor in Mathematics are summarized below. As is the case for courses designated in the minor in other disciplines selected by students pursuing the B.S. in Mathematics, **grades of “C” or better, where grades of “C-” are unacceptable, are required in all Mathematics courses designated for the B.S. in Mathematics or major. This is also the case for students in other disciplines seeking the minor in Mathematics.** Students wishing to pursue either a major (B.S.) or minor in Mathematics must first be admitted to the University, must satisfy TSI Assessment requirements, must eradicate deficiencies assessed at the time of admission through the University Testing Center, and must petition the Department for admission as TSI Assessment requirements or equivalent are completed. Once admitted to the Department, students are assigned an official advisor who must be consulted on a semester or term basis for schedule approval and status verification for progress toward graduation. **An exit examination is required of all graduating seniors pursuing the B.S. in Mathematics.** In summary, students must first gain admission to the University; must meet their TSI Assessment or equivalent responsibility; and must petition the Department for admission as TSI Assessment requirements are met.

Individuals interested in seeking certification for teaching Mathematics in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions. Mathematics courses used in the certification process must be approved through the Department.

For the minor in Mathematics, 24 semester credit hours are required through enrollment in the following courses: MATH 241 (4 credits); MATH 242 (4 credits); MATH 243 (4 credits); MATH 250 (3 credits); MATH 331 (3 credits); either MATH 251 (3 credits) or MATH 439 (3 credits); and one additional 300-Level or 400-Level Math course. The minimum grade requirement for each of these courses is referenced above.

Upon admission, each student is assigned an official advisor, and an exit examination is required of graduating seniors. For further information, students should contact the Department at (713)313-7002.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Chilakamarri, Kiran B. Associate Professor M.S., Ohio State University Ph.D., Ohio State University</p>	<p>Kazakos, Demetrios Professor Diploma, Technical Univ. of Greece M.A. Princeton University Ph.D Electrical Engineering</p>	<p>Udofia, Michael Visiting Instructor B.S., Davis & Elkins College M.S., Texas Southern University</p>
<p>Crockett, Cher Visiting Instructor B.S., Southern University M.S., Southern University Ph.D., Southern university</p>	<p>Kinfe, Biniam Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Wang, Yunjiao Assistant Professor B.S., Zhejiang Normal University M.S., Zhejiang Normal University Ph.D., University of Houston</p>
<p>Ekwo, Maurice Visiting Professor B.S., Texas Southern University M.S. Stephen F. Austin State University Ph.D., Oklahoma State University</p>	<p>Nehs, Robert M. Associate Professor B.S., Marquette University M.S., Rice University Ph.D., University of Houston</p>	<p>Williams, Jahmario Assistant Professor B.S., University of Mississippi M.S. Mississippi State University Ph.D., Mississippi State University</p>
<p>Evans, Joan Instructor B.S., Texas Southern University M.S., Texas Southern University Ed.D., Texas Southern University</p>	<p>Obot, Victor Professor B.S., Eastern Mennonite College M.S., Wright State University Ph.D., University of Tulsa</p>	<p>Wu, Tong Instructor B.S., Harbin Science & Technology U. University M.S., Harbin Institute of Technology M.S., Texas Southern University</p>
<p>Guo, Jing-Shan Visiting Instructor B.S., Shanghai Teacher's University M.S., Texas Southern University</p>	<p>Patterson, Frankie Visiting Instructor B.A., Texas Southern University Ed.M., Texas Southern University Ed.D., Texas Southern University</p>	
<p>Glenn, Nancy Associate Professor B.S. in Math, University of South Carolina B.S. in Statistics, University of South Carolina Ph.D., Rice University</p>	<p>Saydam, Azime Serpil Associate Professor B.S., Ege University M.S., University of Nebraska-Lincoln Ph.D., University of Nebraska-Lincoln</p>	
<p>Holmes, Roderick Assistant Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>	<p>Taylor, Willie E. Professor B.S., M.S., Prairie View A&M University Ph.D., University of Houston</p>	
<p>Jones, Bobby Visiting Instructor B.S., Texas Southern University M.B.A., Texas Southern University</p>	<p>Travare, Papa Visiting Instructor B.A., Texas Southern University M.S., Texas Southern University</p>	

MATH 137	<p>Contemporary Mathematics II (3)</p> <p>Contemporary Mathematics II is a course designed for liberal and fine arts, non-mathematics, non-science, and non-business majors. It provides knowledge of the nature of mathematics as well as training in mathematical thinking and problem solving. Topics include statistics, probability, combinatorics, and game theory. Emphasis is given to methods and models utilizing them in real world applications. Three hours of lecture per week. Prerequisite: MATH 132 or MATH 133 or by department consent. Listed as MATH 1333 in the Texas Common Course Numbering System.</p>
MATH 138	<p>Mathematics and Business Economic Analysis II (3)</p> <p>Limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Formerly known as MATH 135. Prerequisite: MATH 133, MATH 135, MATH 137 or by department consent. (The content level of MATH 138 is expected to be below the content level of Calculus I, MATH 241.) Listed as MATH 1325 in the Texas Common Course Numbering System.</p>
MATH 231	<p>Elementary Statistics (3)</p> <p>Basic statistics topics presented for students planning to work in health-related fields. Three hours of lecture per week. Prerequisite: MATH 133, MATH 135 or by department consent. Listed as MATH 1342 in the Texas Common Course Numbering System.</p>
MATH 235	<p>Structure and Application of the Number System (3)</p> <p>Sets, functions, logic, numeration theory, advanced definition perspectives, arithmetic operations (properties and algorithms), rational numbers, system of real numbers, and mathematical applications. Problem solving emphasized. Three hours of lecture per week. Prerequisite: MATH 133.</p>
MATH 236	<p>Foundations of Geometry, Statistics, and Probability (3)</p> <p>Basic concepts and methods of probability, statistics, and geometry, including discrete probability, random events, and conditional probability. Analysis of data, informational display, measurement, and geometry (as approached through similarity and congruence, coordinates, and transformations). Problem solving is emphasized. Three hours of lecture per week. Prerequisite: MATH 235.</p>
MATH 241	<p>Calculus and Analytic Geometry I (4)</p> <p>Inequalities, functions, graphs, straight lines, linear equations, limits, continuity, differentiation, maximum-minimum problems, mean value theorem, related rates, and indefinite integrals. Four hours of lecture per week. Prerequisites: MATH 133 and MATH 134 or MATH 136 or departmental consent. Listed as MATH 2413 in the Texas Common Course Numbering System.</p>
MATH 242	<p>Calculus and Analytic Geometry II (4)</p> <p>Definite and indefinite integrals, techniques of integration, transcendental functions, and applications of the definite integral. Four hours of lecture per week. Prerequisite: MATH 241. Listed as MATH 2414 in the Texas Common Course Numbering System.</p>
MATH 243	<p>Calculus and Analytic Geometry III (4)</p> <p>Sequences, infinite series, conic sections, polar coordinates, two-dimensional and three-dimensional vectors, parametric equations, partial differentiation, and multiple integrals. Four hours of lecture per week. Prerequisite: MATH 242.</p>
MATH 250	<p>Linear Algebra (3)</p> <p>A first course in linear algebra designed to provide a minimal foundation in matrix theory, vector spaces, determinants, and linear transformations. Three hours of lecture per week. Prerequisite: MATH 241.</p>
MATH 251	<p>Differential Equations (3)</p> <p>Important methods of solution of ordinary differential equations of the first order and of higher orders with applications to geometry and physics. Three hours of lecture per week. Prerequisites: MATH 242 and MATH 243. (MATH 243 may be taken concurrently.)</p>
MATH 331	<p>Logic, Sets, and Functions (3)</p> <p>Transitional mathematics course toward the study of advanced mathematics. Various topics in the foundations of mathematics discussed. Three hours of lecture per week. Prerequisite: MATH 241.</p>

MATH 335	Foundations of Geometry Logic and postulates relating to geometries. Modern plane geometry as developed from Euclidean geometry, measurement, and metric system. Properties of geometric figures, congruence, theory of parallel lines, and noneuclidian geometry. Three hours of lecture per week. Prerequisite: MATH 241.	(3)
MATH 336	Foundations of Algebra Introduction to mathematical systems such as groups, rings, and fields. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	(3)
MATH 345	Applied Mathematics and Statistics for Technology Selected topics in applied differential equations (including transform techniques), linear programming, numerical methods, and statistics with emphasis on applications to the solution of problems in technology. Three hours of lecture per week. Prerequisite: MATH 242.	(3)
MATH 375	Linear Mathematics Various topics involving linear space methods discussed, including linear difference equations, LaPlace transforms, and linear differential operators. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 250.	(3)
MATH 376	Applied Mathematical Analysis Vector analysis; algebra and geometry of vectors; vector differential and integral calculus; theorems of Green, Gauss, and Stokes. Three hours of lecture per week. Prerequisite: MATH 243.	(3)
MATH 430	The History of Mathematics General view of the development of the elementary branches of mathematics; growth of higher mathematics in the eighteenth and nineteenth centuries. Three hours of lecture per week. Prerequisite: Twelve credits of college mathematics.	(3)
MATH 431	Uses of Computers in Mathematics Role and nature of computers as tools in problem solving; impact of computers on mathematics; applications of computers to modeling and simulating mathematical situations. Three hours of lecture per week. Prerequisites: MATH 241 and MATH 242 or consent of the instructor.	(3)
MATH 433	Concepts and Structure of Mathematics Structure of the number system, elements of set theory, properties of real numbers, and basic concepts of mathematical systems. Presented for non-majors. Three hours of lecture per week. Prerequisite: Consent of the instructor.	(3)
MATH 437	A Survey of Mathematical Ideas Designed to review major topics taught in the secondary school and supplement the technical material of other mathematics courses required for teacher preparation and certification. The use of Technology is included along with national and state mathematics standards and (EXCET) - TEXES competencies. Three hours of lecture per week. Prerequisite: Math 243 or consent of the instructor. Formerly known as Contemporary Mathematics and its Applications.	(3)
MATH 439	Advanced Calculus I The real number system; elementary point set theory; sequences and series; continuity; differentiation and integration. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	(3)
MATH 440	Advanced Calculus II Functions of several variables, including partial derivatives, multiple integrals, and mapping from Euclidean m-space to Euclidean n-space. Three hours of lecture per week. Prerequisite: MATH 439 or consent of the instructor.	(3)
MATH 460	Introduction to Complex Analysis Complex numbers and complex geometry; limits, continuity, derivatives, and the Cauchy-Riemann equations; analytic and harmonic functions; Cauchy's Integral Theorem and its consequences. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	(3)

MATH 462	Introduction to Topology	(3)
	Topics include metric spaces, connectedness, and compactness. The topology of Euclidean spaces discussed in detail as well as its generalization to nonmetric topological spaces. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.	
MATH 471	Topics in Mathematics I	(3)
	New developments and trends in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.	
MATH 472	Topics in Mathematics II	(3)
	Continuation of MATH 471. Three hours of lecture per week. Prerequisite: Consent of the instructor.	
MATH 473	Probability and Statistics I	(3)
	Introduction to probability and statistical inference making use of the calculus developed in MATH 241 and MATH 242. Three hours of lecture per week. Prerequisite: MATH 242.	
MATH 474	Probability and Statistics II	(3)
	Moments of distributions and Stieltjes integral; joint density functions; conditional means; moment generating functions; sequences of random variables; distribution theory; and hypothesis testing. Three hours of lecture per week. Prerequisite: MATH 473.	
MATH 475	Introduction to Modern Algebra	(3)
	Group theory; Lagrange's Theorem; Isomorphism Theorem; Cayley's Theorem; rings and fields. Three hours of lecture per week. Prerequisite: MATH 336 or consent of the instructor.	
MATH 490	Independent Study: Undergraduate	(3)
	Intensive study of a topic in mathematics under the direction of a faculty member. Prerequisites: Senior standing and consent of the instructor.	
MATH 499	Seminar	(3)
	Various topics in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN MATHEMATICS
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MATHEMATICS)	OTHER REQUIREMENTS	MINOR/SECOND MAJOR REQUIREMENTS
42 credits	EQUIVALENT	39 credits	19 credits	21 credits
Communication:		MATH 241 (4)	CS 117 (3)	
ENG 131 (3) **	ENGL 1301	MATH 242 (4)	HED 233 (2)	
ENG 132 (3)	ENGL 1302	MATH 243 (4)	PHYS 116 (1)	
Mathematics:		MATH 250 (3)	PHYS 152 (3)	
MATH 136 (3)	MATH 2312	MATH 251 (3)	PHYS 217 (1)	
Life and physical sciences:		MATH 331 (3)	PHYS 251 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	MATH 336 (3)	Foreign Language or CS Electives (6)	
CHEM 132 or GEOL 141 (3)	CHEM 1312 or GEOL 1303	MATH 439 (3)		
Language, philosophy, and culture:		MATH 473 (3)		
ENG 2xx (3) ***		MATH 3xx or 4xx (3)		
Creative arts:		MATH 3xx or 4xx (3)		
MUSI xxx, ART xxx or THEA xxx (3)****		MATH 3xx or 4xx (3)		
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY xxx, SOC xxx or ECON xxx (3)*****				
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**** MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 131, ART 135, ART 137, ART 202 (TCCN: MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310., ARTS 1301, or HUMA 2323).

***** PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232 (TCCN: PSYC 2301, SOC 1301, SOC 1306, SOC 2306, ANTH 2346, ECON 2301 or ECON 2302)

Note: Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 116, 152 and PHYS 217, 251.

**BACHELOR OF SCIENCE DEGREE IN MATHEMATICS
DEGREE PLAN - TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131* Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136* Precalculus	3	MATH 241 Calculus & Analytic Geometry I	4
	CHEM 131 General Chemistry & Lab I or BIOL 143 Survey of Life Science	3	CHEM 132 General Chemistry & Lab II or GEOL 141 Introduction to the Earth	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	Social and Behavioral Science***	3
	Creative Arts**	3	HED 233 History and Principles of Health	2
	15 hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XX Any 200 Level ENG may be selected	3	MATH 243 Calculus & Analytic Geometry III	4
	MATH 242 Calculus & Analytic Geometry. II	4	Course in Minor/Second Major Field	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	CS 116 Computer Science I	3	CS 117 Computer Science II	3
	16 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	MATH 250 Linear Algebra	3	MATH 251 Differential Equations	3
	MATH 331 Logic, Sets, & Functions	3	MATH 336 Foundations of Algebra	3
	Foreign Language or CS Elective	3	Foreign Language or CS Elective	3
	PHYS 116 University Physics I Lab	1	PHYS 217 University Physics II Lab	1
	PHYS 152 University Physics I	3	PHYS 251 University Physics II	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
	16 hrs		16 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MATH 473 Probability and Statistics I	3	MATH 439 Advanced Calculus I	3
	MATH Elective (6hrs. upper division course)	6	MATH (3hrs. selected from upper division courses)	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
	15 hrs		12 hrs	

* Pending acceptable scores on English and Math Placement Exams.

** MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 131, ART 135, ART 137

*** PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232

Note: Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 116, 152 and PHYS 217, 251.

TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD	FALL ODD	SPRING EVEN YEAR	SUM EVEN YEAR		CO-REQUISITE
MATH 132	Mathematics for Liberal Arts I	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the TSI Assessment.	
MATH 133	College Algebra	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the TSI Assessment	
MATH 134	Plane Trigonometry	3	x	x	x	x	x	x	MATH 133	
MATH 135	Mathematics and Business Economic Analysis I - Business Alegbra	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the TSI Assessment	
MATH 136	Pre-Calculus Math	3	x	x	x	x	x	x	MATH 133 or consent of the Department	
MATH 137	Mathematics for Liberal Arts II	3	x	x		x	x		MATH 132 consent of the Department	
MATH 138	Mathematics and Business Economic Analysis II - Business Calculus	3	x	x		x	x		MATH 135 or consent of the Department	
MATH 231	Elementary Statistics	3	x	x	x	x	x	x	MATH 133	
MATH 235	Structure & Appl. Of the Number Systems	3	x	x	x	x	x	x	MATH 133	
MATH 236	Foundations of Geometry, Stats. And Probability	3	x	x	x	x	x	x	MATH 235	
MATH 241	Calculus I	4	x	x	x	x	x	x	MATH 133 and MATH 134 or MATH 136	
MATH 242	Calculus II	4	x	x	x	x	x	x	MATH 241	
MATH 243	Calculus III	4	x	x		x	x		MATH 242	
MATH 250	Linear Algebra	3	x	x		x	x		MATH 241	
MATH 251	Differential Equations	3		x			x		MATH 242 and MATH 243	MATH 243
MATH 331	Logic, Sets & Functions	3	x			x			MATH 241	
MATH 335	Foundations of Geometry	3					x		MATH 241	

MATH 336	Foundations Of Algebra	3					x		MATH 243 and MATH 331	
MATH 345	Applied Mathematics and Statistics for Technology	3		x			x		MATH 242	
MATH 376	Applied Mathematical Analysis	3				x			MATH 243	
MATH 439	Advanced Calculus	3		x			x		MATH 243 and MATH 331	
MATH 460	Introduction to the Complex Analysis	3					x		MATH 243 and MATH 331	
MATH 462	Introduction to Topology	3	x						MATH 243 and MATH 331	
MATH 471	Topics In Math. I	3				x			Consent of the instructor	
MATH 473	Prob. & Stat. I	3	x				x		MATH 242	
MATH 474	Prob. & Stat. II	3		x					MATH 473	
MATH 475	Introduction to Modern Algebra	3					x		MATH 336 or consent of the instructor	
MATH 490	Independent Study: Undergraduate	3	x						Senior standing and consent of the instructor.	
MATH 499	Seminar	3				x			Consent of the instructor.	
MATH 535	Algebra For Teachers	3				x		x		
MATH 536	Geometry For Teachers	3				x		x		

DEPARTMENT OF PHYSICS
THE BACHELOR OF SCIENCE (BS) DEGREE IN PHYSICS
AVAILABLE CONCENTRATIONS:
PHYSICS & MEDICAL-HEALTH PHYSICS

The Physics Department offers the Bachelor of Science (B.S.) in Physics degree through two official concentrations: (1) The Physics concentration and (2) The Medical-Health-Physics concentration. The Medical-Health-Physics concentration is on a cohort basis wherein every two years ten or more competitive students are accepted into the program. Interested students should contact the Chair of the Department. No student will be accepted into the Medical-Health-Physics concentration without explicit confirmation from the department. In addition, the Physics Department offers courses for a) science, technology, engineering, and mathematics (STEM) majors; b) those wishing to pursue a minor in physics; and c) service courses for non-science majors. It also welcomes post-baccalaureate students wishing a second degree in either of the two physics concentrations. Interested students should consult with University policy in this regard. The Department website is <http://www.cost.tsu.edu/WebPages/Physics.php>. There are scholarship opportunities for competitive students.

Students can also create a study plan around the Physics concentration, but which emphasizes particular areas of interest. Thus, the Free Electives and Prescribed Electives can involve courses in any other area such as Biology, Chemistry, Computer Science (i.e. a de-facto Computational Physics concentration), Engineering, Environmental Sciences, Mathematics, Transportation, etc. Physics majors can also explore non-science areas through the Free Electives flexibility.

Objectives: The objective of the B.S. Physics degree is to produce students well trained in the understanding and use of the laws of physics within a theoretical and applied framework. Students will have acquired the computational abilities by which to analyze physical systems and predict their behavior. Students will be able to apply these skills in any subsequent STEM related professional field of interest to them. Our graduates are expected to continue in obtaining advanced (M.S., Ph.D.) degrees in any STEM area, particularly physics, mathematics, and engineering. Alternatively, the skills acquired through our program should enable students to enter the STEM workforce upon graduation.

Learning Outcomes: Students will understand Newtonian, Relativistic, and Quantum physics, their theoretical framework, as well as the analytical and computational approaches for solving the underlying differential and discrete equations. They will be skilled in advanced applied mathematics as required for solving these systems. Their mathematical skill set will include the understanding of multidimensional calculus, vector calculus, differential and partial differential equations, matrix theory and linear algebra, and complex analysis. They will learn how to analyze these systems in terms of Fortran, C/C++, and Mathematica programming languages. They will learn how to be problem solvers, which requires not only that they be able to frame questions, but exercise their critical thinking capabilities to solve these problems. They will also learn how to work in groups (team work) in the identification of interesting research problems and their solutions. They will also develop effective communication skills by which to promote their research within their peer and professional community. Physics, as is any science, is an empirically based, quantitative critical thinking discipline. Theories are formulated based on experiments, and their predictive powers revealed through advanced quantitative analysis. This skill set is vital to any discipline, be it in the sciences, business, finance, law, etc. That is, physics teaches you how to think based on empirical data and quantitative analysis.

Overview of the Faculty and Learning Resources: The department consists of a core of five faculty scholars, and one Research Professor, representing diverse areas, and graduates of some of the most prestigious institutions nationally and internationally. Their total research publications, in refereed journals, exceeds 300, making it one of the leading science departments at the University. The represented specialties include medical/health physics, mathematical physics, nuclear physics, atomic physics, theoretical physics, computational physics, and quantum chemistry. Some have national and international recognition for their individual research capabilities. The department oversees the High Performance Computer Center, and makes these resources available to faculty and students for appropriate research projects. More recently, TSU-Physics became a member of the Texas Physics Consortium (TPC) (<http://www.tarleton.edu/tpc/>) which is a partnership with seven other Texas physics departments covering nearly two thirds of the State. This Consortium avails TSU-Physics majors expanded academic and research opportunities in Observational Astronomy, Astrophysics, Medical Physics, Health Physics, Nuclear (Reactor) Engineering, etc. Indeed, online observational astronomy research is one of the opportunities to be realized through the TPC. Classes taught through the TPC are recorded and accessible to students at any time. The Physics departments in the Consortium sharing their academic and technical resources include: Texas Southern University, Prairie View A & M University, Tarleton State University, Midwestern State University, West Texas A & M University, Texas A & M-Commerce, Texas A & M-Kingsville, and Texas A & M-Corpus Christi. Several immediate benefits derive from this: (1) expanded physics student population, (2) expanded list of experienced faculty, (3) expanded research resources (i.e. astronomy, astrophysics, nuclear engineering, etc.), (4) mobility (if a student moves to a different part of the State, there will be no loss of continuity), and (5) greater exposure of TSU students throughout the State.

The Prospective Physics Major: The Curriculum Plan outlined in the following pages is for students entering with sufficient advanced mathematics preparation (i.e. calculus) to take University Physics I (PHYS 251), in which case courses PHYS 116 and PHYS 152 are not required. Those lacking such competencies, but giving evidence of sufficient mathematical maturity, are advised to take several additional courses before pursuing the course of study given. In particular, students should take PHYS 152 “Pre-University Physics” (which will motivate, from an intuitive perspective, important calculus based concepts as they arise within physics), and its associated laboratory, PHYS 116. While taking these courses, the typical student can also take College Pre-calculus, preparing themselves for a rigorous immersion into Calculus I –III, as offered within the mathematics department. Calculus was invented by Isaac Newton (the father of classical physics) as its natural mathematical language. Serious students that take PHYS 152 will have a good command of the basic calculus principles (i.e. one dimensional differentiation, integration, partial differentiation, and multidimensional integrals) by which to successfully navigate through the introductory physics sequence (University Physics I & II: PHYS 251,252,217, and 218).

Placement of Past Graduates: Since 2010, TSU-Physics has produced successful graduates that have continued into advanced degree programs (in Health Physics) at Texas A&M University and UT-Austin. Other students have been accepted into medical schools (Tulane). Some have found lucrative professional employment within the energy companies in the greater Houston area. Another alumnus is a Secondary School Science Teacher in the Dallas area. One of our recent graduates is working as a radiation officer at M.D. Anderson Cancer Center in Houston. One of our most recent graduates was the first commissioned NAVY officer through the Rice University coordinated ROTC program.

Modern Learning Facilities: Through the recent completion of the new Leonard H. O. Spearman Technology Building, Physics has dedicated, modern, facilities impacting all of its classes and research capabilities for faculty and students. The Physics department is located on the second floor of this facility in Room 201. Students are encouraged to peruse various physics websites that can offer them a more comprehensive view of the intellectual, professional, and employment opportunities that physics offers. Important sites include the department’s web site, <http://www.cost.tsu.edu/WebPages/Physics.php>; that of the American Physics Society (APS), <http://www.aps.org>; that of the National Society of Black Physicists (NSBP), <http://www.nsbp.org>; and that of the National Society of Hispanic Physicists (NSHP), <http://www.nshp.org>. In light of the importance of the Health Physics program, potential STEM majors should also consult the web site for the Health Physics Society at <http://www.hps.org>. Students in any of the science, technology, engineering, and mathematics (STEM) fields should also reference the Society of Physics Students at <http://www.spsnationa.org>.

The study of physics will produce professionals with exceptional problem solving capabilities (based on advanced quantitative and computational capabilities) impacting all professional areas particularly those in the STEM fields. The successful student who minors in physics will possess advanced quantitative skills in mathematics and computation, and an understanding of the fundamental laws of nature from the classical through the quantum realm. It is the program’s objective to produce competitive graduates who can either directly enter the workforce or continue onto graduate programs in any of the STEM areas.

Students must earn grades of “C” or better in all courses specific to the major or minor.

Students transferring to the University are cautioned that Physics credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the minor in Physics. These credits may or may not be acceptable. If these credits are judged to be unacceptable, students may be able to use them to fulfill core curriculum requirements, elective requirements, or both.

Any questions may be directed to the Department Chair via e-mail: handycr@tsu.edu.

Physics as a Minor

Students are cautioned that the physics curriculum is being revised at the time of this publication. They should consult the Department for an update of the available courses and revised curriculum. Students are advised to consult with the department before making any course selections. The following courses are intended as a guide to the types of courses students are expected to take. Also, upper level courses are not taught every semester. Interested students should consult with the Chair to plan out their program.

Mathematics Majors wishing to Minor in Physics:

For students interested in a comprehensive immersion into computational and applied mathematics, developed within the context of physics, the following is the suggested curriculum. Potential Minors must be approved by the Chair.

A Minor in Physics is offered requiring at least 21 credit hours in basic courses beyond the (calculus based) University Physics I & II sequence (i.e. PHYS 217, 218, 251, and 252). Beginning students are strongly advised to take PHYS 116 and PHYS 152 which will pay particular attention to quickly upgrading the advanced mathematics competencies essential for successful completion of PHYS 251 and PHYS 252. The courses listed below will expand students’ applied mathematics and computational sciences capabilities. Permission by the Chair is required. The 21 credit hours may be fulfilled by taking (in the indicated order):

1. PHYS 332, "Modern Physics"
2. PHYS 338, "Math Methods I"
3. PHYS 341, "Mechanics"
4. PHYS 333, "Electricity and Magnetism"
5. PHYS 336, "Thermodynamics and Statistics"
6. PHYS 432, "Quantum Mechanics I"
7. Plus 3 credit hours of approved electives (i.e. Prescribed Electives).

Biology and Pre-Medical Students Wishing to Minor in (Radiation/Medical/Health) Physics:

The following minor CONCENTRATION in physics is intended for students interested in Medical Health Physics (impacting Radiology, Medicine, etc.). Students are cautioned that this CONCENTRATION is on a cohort basis (i.e. students admitted every two years, on approval by the Department). Also, the curriculum is currently being revised in the context of the Texas Physics Consortium. The courses listed below are physics courses within our inventory and suggestive of the types of courses students will be required to take. Interested students must have strong records in basic mathematics and physics (i.e. calculus: Math 241, Math 242, and Math 251; and University Physics I –II: 217,218,251,252). Students must also take PHYS 338 (Math Methods) and PHYS 332 (Modern Physics). The Department will provide every opportunity for students to quickly elevate their advanced mathematics capabilities. Students with B.S. Physics degree, and certification in Health Physics, can look forward to high salary careers (i.e. six figures, according to employment statistics from the Health Physics Society: http://hps.org/documents/2010_hps_salary_survey.pdf). The following list of Medical Health Physics related courses are of the type to be considered by the interested student. Please consult with the department web site and/or Physics Chair for the exact list of courses at the time of application.

1. PHYS-361 Introduction to Atomic and Radiation Physics
2. PHYS-370 Nuclear Physics Lab I
3. PHYS-374 Radiation Detection I
4. PHYS-471 Intermediate Nuclear Physics Lab
5. PHYS-475 Radiation Detection II
6. PHYS-477 Radiation Protection and Dosimetry I
7. PHYS-478 Radiation Protection and Dosimetry II

LISTING OF FACULTY IN THE DEPARTMENT

<p>Bessis, Daniel Professor B.S., Ecole Nationale Superieure de l'Aeronautique, Paris, France B.S., Sorbonne, France M.S., University of Orsay, France Ph.D., Sorbonne, France</p>	<p>Perotti, Luca Research Professor Laurea, Universita' degli Studi di Milano M.S., University of Pittsburgh Ph.D., University of Pittsburgh</p>
<p>Handy, Carlos R. Professor and Chair B.A., Columbia College M.A., Columbia University M. Ph., Columbia University Ph.D., Columbia University</p>	<p>Tymczak, Christopher J. Associate Professor B.S., Pennsylvania State University M.S., Clemson University Ph.D., Texas A&M University</p>
<p>Harvey, Mark C. Assistant Professor B. S., Virginia State University M. S., Hampton University Ph. D., Hampton University</p>	<p>Vrinceanu, Daniel Assistant Professor B. S., University of Bucharest, Romania Ph.D., Georgia Institute of Technology</p>

PHYSICS COURSES

The following is the list of courses offered through the Physics Department. Of these, approximately ten are taught through the Texas Physics Consortium (TPC). The format of course delivery (TPC or non-TPC) may vary depending on evolution of the program. These courses are taught across eight campuses by selected faculty within each Consortium department. The Courses are taught through an interactive, online, system (i.e. TTVN). Courses are recorded for students' use. Other delivery formats are available to suit students' needs. At the time of this publication, the courses listed below are within the TPC inventory. Students are cautioned that these courses are being continuously updated. As such, they should consult with the Department to clarify the current list of TPC courses.

PHYS 338	Mathematical Methods I (3) Basic concepts in multidimensional calculus, vector calculus, linear algebra, Fourier series, differential equations, transform methods, and numerical methods. Three lecture and demonstration hours per week. Prerequisites: PHYS 251 and MATH 241.
PHYS 341	Mechanics I (3) Intermediate mechanics: forced oscillators, Greens functions, nonlinear systems, rigid body dynamics, fluid dynamics, stress-strain relations. Three lecture hours per week. Prerequisites: PHYS 252 and MATH 242.
PHYS 332	Introduction to Modern Physics (3) Topics in modern physics, including special theory of relativity, introduction to quantum physics, and applications to atomic and nuclear structure. Three hours of lecture per week. Prerequisite: PHYS 252.
PHYS 333	Electricity and Magnetism I (3) Maxwell's equations and their impact on electrostatics and magnetostatics, including dielectric and magnetic phenomena. Three lecture hours per week. Prerequisites: PHYS 252 and PHYS 338.
PHYS 336	Thermodynamics and Statistical Physics (3) Study of the laws of thermodynamics, Carnot engines, etc., and their statistical physics formulations. Three lecture hours per week. Prerequisite: PHYS 252.
PHYS 360	Advanced Undergraduate Laboratory (1) Exposure to the fundamental experiments that shaped modern physics. One three hour laboratory per week. Prerequisite: PHYS 332.
PHYS 432	Quantum Mechanics I (3) The foundations of quantum mechanics via the Schrodinger representation: bound and scattering states, quantum tunneling, spin, perturbation theory, spin orbit interactions, angular momentum coupling, etc. Three lecture hours per week. Prerequisites: PHYS 338, PHYS 341, MATH 243, and MATH 250.
PHYS 437	Nuclear Physics I (4) Study of radioactivity decay law, radioactive dating, nuclear radiation detection, alpha-beta-gamma decay, etc. Three lecture hours and One demonstration hour per week. Prerequisites: PHYS 332 and PHYS 432.
PHYS 415	Senior Thesis I (1) STEM majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.
PHYS 416	Senior Thesis II (1) Continuation of PHYS 415.STEM majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.

PHYSICS COURSE INVENTORY

PHYS 101	Principles of Physical Science (3) Survey of the physical sciences for non-science majors including introductory physics, astronomy, chemistry, geology, atmospheric and environmental sciences. Demonstrated math proficiency in basic algebra and geometry required. Three hours of lecture and demonstrations per week.
PHYS 116	Pre-University Physics Laboratory (1) Laboratory, Demonstration, and Recitation course in support of PHYS 152. One two hour session per week.
PHYS 152	Pre-University Physics (3) Introduction to the advanced mathematics required for University Physics I (PHYS 251), emphasizing the geometrical, analytical, and computational understanding of differential and integral calculus, vectors, algebraic and computational software. The advanced mathematics is taught from the perspective of physics, emphasizing an intuitive understanding of the integration of physics and mathematics. Three hours of lecture and demonstrations.
PHYS 205	Physics of Music (4) Overview of physics principles impacting the acoustics of musical instruments and the human voice. For non-science majors. Three hours of lecture and one hour demonstration, per week.
PHYS 213	College Physics Laboratory I (1) Laboratory, Demonstration, and Recitation course in support of PHYS 237. One two hour session per week.
PHYS 214	College Physics Laboratory II (1) Laboratory, Demonstration, and Recitation course in support of PHYS 238. One two hour session per week.
PHYS 215	Physics for Engineers Laboratory I (1) Laboratory, Demonstration, and Recitation course in support of PHYS 245. One two hour session per week.
PHYS 216	Physics for Engineers Laboratory II (1) Laboratory, Demonstration, and Recitation course in support of PHYS 246. One two hour session per week.
PHYS 217	University Physics Laboratory I (1) Laboratory, Demonstration, and Recitation course in support of PHYS 251. One two hour session per week.
PHYS 218	University Physics Laboratory II (1) Laboratory, Demonstration, and Recitation course in support of PHYS 252. One two hour session per week.
PHYS 237	College Physics I (3) Non-calculus based introductory physics course designed for pharmacy students (lab suggested, although not necessarily concurrently), life sciences and chemistry students, and (non-calculus oriented) engineering students: Newton's laws of mechanics, fluids, waves, and thermodynamics. Demonstrated mastery of basic algebra, geometry, trigonometry, and pre-calculus will be assessed during the first week to determine if the student will be required to pursue mandatory concurrent remediation sessions. A sample of test related problems can be found at http://physics.tsu.edu . Three lecture and demonstration hours per week. It is recommended, but not required, that students take the accompanying lab (although not necessarily concurrently): PHYS 213.

PHYS 238	College Physics II Non-calculus based introductory physics course studying the laws of electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture and demonstration hours per week. It is strongly advised that student take PHYS 237 before this course and take the corresponding lab: PHYS 214 (although not necessarily concurrently).	(3)
PHYS 245	Physics for Engineers I Calculus based introductory course from an engineer's perspective: Newton's laws of mechanics, fluids, waves, and thermodynamics. Three lecture and demonstration hours per week. Prerequisites: PHYS 116 and PHYS 152, or MATH 241.	(3)
PHYS 246	Physics for Engineers II Calculus based introductory course from an engineer's perspective: the laws of electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture and demonstration hours per week. Prerequisite: PHYS 245.	(3)
PHYS 247	Fundamentals of Scientific Programming Introduction to scientific programming languages such as Fortran 90, C, C++, Mathematica, etc. Three hours of lecture and demonstrations per week including computational laboratory. Prerequisites: PHYS 116 and PHYS 152, PHYS 251, or MATH 241.	(3)
PHYS 251	University Physics I Calculus based, introduction to Newtonian physics impacting mechanics, fluids, waves, thermodynamics. Strong competency in calculus required as measured by department's online guide. Math assessment during first week will determine if student must participate in mandatory remediation sessions. Chair's approval required. Three lecture and demonstration hours per week. The corresponding laboratory, PHYS 217 is strongly recommended.	(3)
PHYS 252	University Physics II Calculus based introductory physics course: electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture and demonstration hours per week. Prerequisites: PHYS 251. The corresponding laboratory, PHYS 218 is strongly recommended.	(3)
PHYS 329	Introduction to Modern Physics for Life Science Students Non-calculus based overview of modern physics with particular emphasis on nuclear and high energy dynamical processes. Prerequisite: PHYS 238. Three hour lecture per week.	(3)
PHYS 332	Introduction to Modern Physics Topics in modern physics, including special theory of relativity, introduction to quantum physics, and applications to atomic and nuclear structure. Three hours of lecture per week. Prerequisite: PHYS 252.	(3)
PHYS 333	Electricity and Magnetism I Maxwell's equations and their impact on electrostatics and magnetostatics, including dielectric and magnetic phenomena. Three lecture hours per week. Prerequisites: PHYS 252 and PHYS 338.	(3)
PHYS 334	Electricity and Magnetism II Continuation of PHYS 333 focusing on the full set of Maxwell's equations and their consequences for electromagnetic radiation processes and their interaction with matter. Prerequisite: PHYS 333.	(3)
PHYS 336	Thermodynamics and Statistical Physics Study of the laws of thermodynamics, Carnot engines, etc., and their statistical physics formulations. Three lecture hours per week. Prerequisite: PHYS 252.	(3)
PHYS 338	Mathematical Methods I Basic concepts in multidimensional calculus, vector calculus, linear algebra, Fourier series, differential equations, transform methods, and numerical methods. Three lecture and demonstration hours per week. Prerequisites: PHYS 251 and MATH 241.	(3)

PHYS 339	Mathematical Methods II Basic methods in partial differential equations, complex analysis, variational calculus, numerical analysis, etc. Three hours of lecture and demonstrations per week. Prerequisites: PHYS 252, PHYS 338, and MATH 242.	(3)
PHYS 340	Computational Physics I Introduction to basic computational methods in physics, including algebraic software. Three lecture and demonstration hours per week. Prerequisites: PHYS 247, PHYS 252, PHYS 338, and MATH 242.	(3)
PHYS 341	Mechanics I Intermediate mechanics: forced oscillators, Greens functions, nonlinear systems, rigid body dynamics, fluid dynamics, stress-strain relations. Three lecture hours per week. Prerequisites: PHYS 252 and MATH 242.	(3)
PHYS 344	Electronics Recommended for students interested in an experimental physics based senior thesis. Theory and practical operation of modern electronics. One hour lecture and three hours of laboratory per week. Prerequisites: PHYS 218 and PHYS 252.	(4)
PHYS 360	Advanced Undergraduate Laboratory Exposure to the fundamental experiments that shaped modern physics. One three hour laboratory per week. Prerequisite: PHYS 332.	(1)
PHYS 361	Introduction to Atomic and Radiation Physics Introduction to atomic and nuclear structure, radiation, radioactive decay, chemical and biological effects of radiation, dosimetry, radiation protection. Three lecture and demonstration hours per week. Prerequisites: PHYS 252 and PHYS 332. Students should also have demonstrated competencies in basic integral calculus, differential equations, and linear algebra.	(3)
PHYS 365	Environmental Radioactivity Seminar Focus on natural and manmade environmental radionuclide sources, radiation biology, protection, and pathways for environmental contamination. Ninety minute lecture and demonstration per week.	(1)
PHYS 370	Nuclear Physics Laboratory Basic nuclear physics experiments indispensable to radiation detection and measurement. Three hour lab per week.	(1)
PHYS 374	Radiation Detection I Comprehensive study of varying types of nuclear detection and measurement equipment, counting statistics and error prediction, etc. Four hours lecture-demonstration per week.	(4)
PHYS 390	Engineering Physics: Intro. to Nanoscience and Nanotechnology Introduction to the basic physics principles and techniques governing nanostructures and their applications. Three lecture hours per week.	(3)
PHYS 411	Senior Seminar/Workshop I Student led, faculty supervised, seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	(1)
PHYS 412	Senior Seminar/Workshop II Continuation of student led seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	(1)
PHYS 415	Senior Thesis I STEM majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.	(1)

PHYS 416	Senior Thesis II Continuation of PHYS 415.STEM majors with senior standing work on a research topic with a TSU or adjunct faculty. One two hour meeting per week.	(1)
PHYS 419	Nuclear Physics for Life Sciences Laboratory Introduction to basic experiments in nuclear detection and radiation monitoring for Life Science students. Three hour laboratory per week. Prerequisites: PHYS 361 and 365.	(1)
PHYS 421	Nuclear Magnetic Resonance for Life Sciences Laboratory Nuclear magnetic resonance based experiments for life sciences students. Three hour laboratory per week. Prerequisites: PHYS 361 and 365.	(1)
PHYS 423	Nuclear Magnetic Resonance Laboratory Comprehensive experiments in nuclear magnetic resonance. Three hour laboratory per week.	(1)
PHYS 424	Radiation Biology and Nuclear Medicine for Life Sciences Laboratory Experiments (for non-physics majors) measuring the effect of radiation on living cells. Three hour laboratory per week. Co-requisite: PHYS 452.	(1)
PHYS 426	Radiation Biology and Nuclear Medicine Laboratory Experiments measuring the effect of radiation on living cells. Three hour laboratory per week. Co-requisite: PHYS 454.	(1)
PHYS 431	Mechanics II Lagrangian -Hamiltonian formulations of classical mechanics. Three lecture hours. Prerequisites: PHYS 338, PHYS 341, and MATH 242.	(3)
PHYS 432	Quantum Mechanics I The foundations of quantum mechanics via the Schrodinger representation: bound and scattering states, quantum tunneling, spin, perturbation theory, spin orbit interactions, angular momentum coupling, etc. Three lecture hours per week. Prerequisites: PHYS 338, PHYS 341, MATH 243, and MATH 250.	(3)
PHYS 433	Quantum Mechanics II Continuation of PHYS 353 emphasizing the time dependent features of the Schrodinger representation: time dependent perturbation theory, Heisenberg representations, etc. Three hour lecture per week.	(3)
PHYS 437	Nuclear Physics I Study of radioactivity decay law, radioactive dating, nuclear radiation detection, alpha-beta-gamma decay, etc. Three lecture hours and One demonstration hour per week. Prerequisites: PHYS 332 and PHYS 432.	(4)
PHYS 451	Computational Physics II Introduction to advanced (parallel) computer methods for many body physics, quantum chemistry, nanophysics, and materials science problems. Three lecture hours per week.	(3)
PHYS 452	Radiation Biology for Life Sciences Students Study of the different types of electromagnetic radiation and the impact on organisms, including beneficial diagnostics and treatment properties. Three lecture hours per week. Prerequisites: PHYS 361 and 365. Co-requisite: PHYS 424.	(3)
PHYS 454	Radiation Biology (similar course offered within Biology) Study of the different types of electromagnetic radiation and the impact on organisms, including beneficial diagnostics and treatment properties. Three lecture hours per week. Prerequisites: PHYS 361 and 365. Corequisite: PHYS 426.	(3)
PHYS 458	Medical Imaging The physics of x-ray computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, ultrasound, etc., and their application. Three lecture hours per week. Prerequisites: PHYS 334 and PHYS 432.	(3)

PHYS 467	Nuclear Physics II Continuation of PHYS 437, with emphasis on the nuclear reactions, neutron physics, and applications of nuclear physics. Two lecture hours per week. Prerequisites: PHYS 432 and PHYS 437.	(2)
PHYS 471	Intermediate Nuclear Physics Laboratory Health physics applications and spectroscopy. Three hour session per week. Co-requisite: PHYS 475.	(1)
PHYS 472	Nuclear Electronics Laboratory Study of pulse processing and shaping, linear and logic pulse functions, multichannel pulse analysis and the NIM and CAMAC Instrumentation Standards. Three hour session per week alternating between lecture and lab format. Prerequisites: PHYS 471 and PHYS 475.	(1)
PHYS 475	Radiation Detection II Instrumentation for gamma-radiation, charged particle, and slow/fast neutron detection; background and detector shielding; etc.. Four hours lecture per week. Prerequisites: PHYS 437, and 374. Co-requisite: PHYS 471.	(4)
PHYS 477	Radiation Protection and Dosimetry I Radiation biology, dosimetry, radiation sources of exposure, health physics instrumentation, standards and regulations. Four lecture hours per week. Prerequisite: PHYS 361.	(4)
PHYS 478	Radiation Protection and Dosimetry II Continuation of PHYS 477 focusing on radiation protection, practice, environmental monitoring and specialty health physics areas. Four lecture hours per week. Prerequisite: PHYS 477.	(4)
PHYS 481	Engineering Physics: Material Science Study of the theoretical and computational formulations for studying quantum materials. Three lecture hours per week. Corequisite: PHYS 451.	(3)
PHYS 482	Engineering Physics: Nanobiophysics A first principle's, physics based approach for understanding the dynamics between based nanostructures and bio-chemical molecular structures. Three lecture hours per week. Prerequisites: PHYS 433 and PHYS 451.	(3)
PHYS 483	Independent Study Detailed study of an advanced topic in physics under the guidance of an instructor. Departmental permission required. May be enrolled for up to 4 semester credit hours. Prerequisites: Senior standing and consent of the chair	(1-4)
PHYS 484	Topics in Physics Different advanced topics offered, depending on faculty/student interests in all branches of physics: particle physics, astrophysics, space physics, quantum computing, etc. May be repeated for credit as topics vary. Three hours per week. Prerequisites: Senior standing and consent of the chair.	(3)
PHYS 485	Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics I Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection, etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.	(1)
PHYS 486	Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics II Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection, etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.	(1)

- PHYS 487 Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics III (1)**
Introduction to atomic and nuclear structure, radiation, radiation detection, dosimetry, protection. etc. For professionals with advanced math competency. Two week sessions, two hour classes each day.
- PHYS 488 Professional Development (Online) Course: Radiation Protection and Dosimetry I (3)**
Radiation biology, dosimetry, radiation sources of exposure, standards and regulations, radiation protection practices. For professionals with advanced math competency. Five weeks, two hours per day. Combination of lectures (online) and labs/demonstrations.
- PHYS 489 Professional Development (Online) Course: Radiation Protection and Dosimetry II (3)**
Radiation biology, dosimetry, radiation sources of exposure, standards and regulations, radiation protection practices. For professionals with advanced math competency. Five weeks, two hours per day. Combination of lectures (online) and labs/demonstrations.
- PHYS 490 Professional Development (Online) Course: Nuclear Instrumentation (3)**
Training in nuclear detection and measurement instrumentation. Five weeks, two hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 491 Professional Development (Online) Course: Nuclear Physics Laboratory I (2)**
Basic experiments exploiting Geiger Muller counters. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 492 Professional Development (Online) Course: Nuclear Physics Laboratory II (2)**
Basic experiments in radiation protection and radiation biology. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 493 Professional Development (Online) Course: Nuclear Physics Laboratory III (2)**
Experiments emphasizing Nuclear Instrument Module (NIM) equipment, including basic nuclear electronics experiments. Two weeks, three hours per day. For professionals with advanced math competency. Lectures and Lab/Demonstrations.
- PHYS 494 Professional Development (Online) Course: Intro. to Nuclear Physics I (1)**
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.
- PHYS 495 Professional Development (Online) Course: Intro. to Nuclear Physics II (1)**
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.
- PHYS 496 Professional Development (Online) Course: Intro. to Nuclear Physics III (1)**
Basic nuclear structure. Two weeks, two hours per day. For professionals with advanced math competency.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN PHYSICS
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (PHYSICS)	OTHER REQUIREMENTS	ELECTIVES
42 credits	EQUIVALENT	34 credits	18 credits	26 credits
Communication:		PHYS 116 (1)	MATH 241(4)	14 Prescribed Electives
ENG 131 (3) **	ENGL 1301	PHYS 152 (3)	MATH 242(4)	12 Free Electives
ENG 132 (3)	ENGL 1302	PHYS 217 (1)	MATH 243(4)	
Mathematics:		PHYS 218 (1)	MATH 250 (3)	
MATH 136 (3)	MATH 2312	PHYS 252 (3)	MATH 251 (3)	
Life and physical sciences:		PHYS 332 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	PHYS 338 (3) PHYS 341 (3)		
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	PHYS 333 (3) PHYS 360 (2) PHYS 336 (3) PHYS 415 (1) PHYS 416 (1) PHYS 432 (3) PHYS 437 (3)		
Language, philosophy, and culture:				
ENG 2xx (3) ***				
Creative arts:				
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 131 or ART 135 or ART 137 or ART 202 (3)	MUSI 13011 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1316 or ARTS 1301 or HUMA 2323 or ARTS 2348			
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
ECON 231 (3)	ECON 2301			
Institutional Options:				
SC 135 or SC 136 (3) or CHNS 131, FR 131, SPAN 131 or Approved African American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

**BACHELOR OF SCIENCE DEGREE IN PHYSICS
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG *131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136 Pre-Calculus	3	MATH 241 Calculus & Analytic Geometry I	4
	CHEM 131 General Chemistry I	3	Approved African American Studies Course, CHNS 131,FR 131,SPAN 131,or SC 135/136	3
	PHYS 116 & 152: Pre-Univ. Phys. Lab & Lec	4	MUSI 131 or ARTS 131,	3
	CS 116 Intro. To Comp. Sc.	3	PHYS 251 & 217: Univ. Phys. I & Lab	4
	16 SCH		17 SCH	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper level English	3	MATH 251 Differential Equations	3
	MATH 242 Calculus & Analytic Geometry II	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 235 Government/Political Science	3
	MATH 250 Linear Algebra	3	PHYS 338 Math Methods I	3
	PHYS 252& 218: Univ. Phys. II & Lab	4	Prescribed Elective	3
	17 SCH		15 SCH	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 243 Calculus & Analytic Geometry III	4	PHYS 336 Thermodynamics & Stat.	3
	PHYS 332 Modern Physics	3	PHY 360 Advanced Undergraduate Lab	3
	PHYS 333 Electricity and Magnetism I	3	Prescribed Elective	3
	PHYS 341 Mechanics I	3	Free Elective	3
	POLS 236 Government / Political Science	3	ECON 231	3
	16 SCH		14 SCH	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHYS 432 Quantum Mechanics I	3	PHYS 437 Nuclear Physics I	3
	PHYS 415	1	PHYS 416	1
	Prescribed Elective	3	Prescribed Elective	3
	Free Elective	6	Free Elective	3
	13 SCH		12 SCH	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN PHYSICS
MEDICAL HEALTH PHYSICS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MATHEMATICS)	OTHER REQUIREMENTS	ELECTIVES
42 credits	EQUIVALENT	34 credits	18 credits	26 credits
<u>Communication:</u>		PHYS 116 (1)	MATH 241(4)	Prescribed Electives
ENG 131 (3) **	ENGL 1301	PHYS 152 (3)	MATH 242(4)	
ENG 132 (3)	ENGL 1302	PHYS 217 (1)	MATH 243(4)	
<u>Mathematics:</u>		PHYS 218 (1)	MATH 250 (3)	
MATH 136 (3)	MATH 2312	PHYS 252 (3)	MATH 251 (3)	
<u>Life and physical sciences:</u>		PHYS 332 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311or BIOL 1308	PHYS 338 (3) PHYS 341 (3)		
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	PHYS 333 (3) PHYS 360 (2) PHYS 336 (3) PHYS 415 (1) PHYS 416 (1) PHYS 432 (3) PHYS 437 (3)		
<u>Language, philosophy, and culture:</u>				
ENG 2xx (3) ***				
<u>Creative arts:</u>				
MUSI 131 or MUSI 136 or MUSI 239 or THEA 130 or ART 131 or ART 135 or ART 137 or ART 202 (3)	MUSI 13011 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1316 or ARTS 1301 or HUMA 2323 or ARTS 2348			
<u>American history:</u>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
ECON 231 (3)	ECON 2301			
<u>Institutional Options:</u>				
SC 135 or SC 136 (3)or CHNS 131, FR 131, SPAN 131 or Approved Afri- can American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

**BACHELOR OF SCIENCE DEGREE IN PHYSICS
MEDICAL HEALTH PHYSICS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG* 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136 Pre-Calculus	3	MATH 241 Calculus & Analytic Geometry I	4
	CHEM 131 General Chemistry I	3	Approved African American Studies Course, CHNS 131,FR 131,SPAN 131,or SC 135/136	3
	PHYS 151& PHYS 152: Pre-Univ. Phys. Lab & Lec	4	MUSI 131 or ARTS 131,	3
	CS 116 Intro. To Comp. Sc.	3	PHYS 251 and PHYS 217: Univ. Phys. I & Lab	4
	16 SCH		17 SCH	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper level English	3	MATH 251 Differential Equations	3
	MATH 242 Calculus & Analytic Geometry II	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 235 Government/Political Science	3
	MATH 250 Linear Algebra	3	PHYS 338 Math Methods I	3
	PHYS 252 & 218: Univ. Phys. II & Lab	4	Prescribed Elective in Med-Health-Phys	3
	17 SCH		15 SCH	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 243 Calculus & Analytic Geometry III	4	PHYS 336 Thermodynamics & Stat.	3
	PHYS 332 Modern Physics	3	PHY 360 Advanced Undergraduate Lab	2
	PHYS 333 Electricity and Magnetism I	3	PHYS 432 Quantum Mechanics I	3
	PHYS 341 Mechanics I	3	Prescribed Elective in Med Health Phys	3
	POLS 236 Government / Political Science	3	ECON 231	3
	16 SCH		14 SCH	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHYS 437 Nuclear Physics I	3	Prescribed Elective in Med Health Phys.	11
	Prescribed Elective in med Health Phys.	9	PHYS 416	1
	PHYS 415	1		
	13 SCH		12 SCH	

* Pending acceptable scores on English and Math Placement Exams.

DEPARTMENT OF TRANSPORTATION STUDIES

The Department of Transportation Studies offers courses in the academic discipline of **Maritime Transportation Management and Security (MTMS)**. Through curricular offerings provided, students are able to earn **the Bachelor of Science (B.S.) in Maritime Transportation Management and Security, and the Master of Science (M.S.) in Transportation Planning and Management. An undergraduate minor is offered in Maritime Transportation Management and Security for students majoring in other academic disciplines.** Members of the Department are housed in the College of Science and Technology.

For detailed information on the Master of Science (M.S.) in Transportation Planning and Management, students should refer to the Graduate School Bulletin of Texas Southern University.

The curriculum of study for the Bachelor of Science (B.S.) in **Maritime Transportation Management and Security** provides students with three concentrations: Logistics/Freight, Security, and Environment. A detailed listing of these requirements is given below. **Students selecting to pursue the B.S. in Maritime Transportation Management and Security are not required to declare a minor in another academic discipline. However, there is a CONCENTRATION with for students who desire to choose a minor. Additionally, grades of "C" or better must be earned in all Maritime Transportation Management and Security courses required leading to completion of the degree. Grades of "C-" are unacceptable. Prior to graduation, majors must pass an exit examination during their senior year.**

The mission of the B.S. Program in **Maritime Transportation Management and Security** is fourfold: (1) to produce graduates for a variety of administrative and managerial positions in maritime transportation and port operations, (2) to produce graduates to function effectively in a number of diverse careers in three critical areas of maritime transportation: logistics, security, and environment, (3) to provide students with the academic background and preparation for pursuing advanced studies in the field of maritime transportation or affiliated areas, and (4) to provide training programs and individual courses to individuals already in the maritime profession. In the fulfillment of this mission, students selecting the Maritime Transportation Management and Security program as a major will be prepared for a number of career specialization options including but not limited to: Freight Logistics Specialist, Shipping Manager, Port Manager and Operator, Port Security Officer, Maritime Policy Maker, Maritime Transportation Planner, Environmental Compliance Coordinator/Specialist, and Emergency Response Specialist. To that end, graduates of the Maritime Transportation program will also be academically prepared for graduate studies in the discipline of maritime.

Students wishing to pursue the **B.S. in Maritime Transportation Management and Security** must first gain admission to the University, must satisfy TSI requirements and eradicate identified deficiencies must contact the Department Office while satisfying TSI requirements for advisement, and must petition the Department for admission once TSI requirements have been completed and deficiencies removed. **Students wishing to change their major to Maritime Transportation Management and Security must be in good academic standing (not on academic probation, academic monitoring or suspension).**

In addition to academic course work, **a student pursuing the B.S. in Maritime Transportation Management and Security must undertake a three semester credit hour Practicum (Internship) (MTMS 495) to meet degree requirements and gain practical experience.** For further information on internships, students should contact either the Internship Coordinator in the College of Science and Technology, the Office of the Dean of the College of Science and Technology, or the University Director of Cooperative Education in the Placement Center at the University.

For the minor in Maritime Transportation Management and Security offered through the Department, students are required to complete 21 semester credit hours in the following courses: MTMS 101 (3 credits), MTMS 202 (3 credits), MTMS 303 (3 credits), MTMS 321 (3 credits), MTMS 322 (3 credits), MTMS 341 (3 credits), MTMS 342 (3 credits), MTMS 361 (3 credits), MTMS 423 (3 credits), MTMS 424 (3 credits), MTMS 425 (3 credits), MTMS 443 (3 credits), MTMS 444 (3 credits), MTMS 445 (3 credits), MTMS 462 (3 credits), MTMS 463 (3 credits), MTMS 481 (3 credits), MTMS 482 (3 credits), MTMS 483 (3 credits), and MTMS 495 (3 credits).

For additional information on the Bachelor of Science in Maritime Transportation Management and Security, students are asked to contact the Department Office at (713)313-1841.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Burns, Maria Instructor Diploma, Institute of Chartered Shipbrokers, U.K., London Metropolitan University M.S., London Metropolitan University, U.K. Ph.D. Candidate, Vrije University, Brussels</p>	<p>Qiao, Fengxiang Professor B.S., South East University, Nanjing Jiangsu Province M.S., South East University, Nanjing Jiangsu Province Ph.D., Hong Kong University of Science and Technology</p>
<p>Lewis, Carol A. Associate Professor B.S., M.S., University of Iowa Ph.D., University of Houston</p>	<p>Williams, Ursula A. Maritime Program Coordinator B.A., Huston-Tillotson College M.C.R.P., University of Texas at Arlington M.S, Texas Southern University</p>
<p>McKamie, Reginald Adjunct Instructor B.S., U.S. Merchant Marine Academy M.B.A., University of Southern California J.D., University of Houston</p>	<p>Yu, Lei Dean, Professor B.S., Beijing (formerly Northern) Jiaotong University M.S., Nagoya Institute of Technology Ph.D., Queen's University</p>
<p>Miller, Michael Visiting Instructor B.S. Texas A&M Galveston</p>	
<p>Morgan, Robert Adjunct Instructor B.S., Southern University, Baton Rouge, Louisiana B.S., Panama Canal College, Republic of Panama M.S., National University, San Diego, California M.S., Texas Southern University</p>	
<p>Qi, Yi Chair, Associate Professor B.S., M.S., East China Normal University, Shanghai M.S., Polytechnic University of New York Ph.D., Polytechnic University of New York</p>	

MARITIME TRANSPORTATION MANAGEMENT AND SECURITY

- MTMS 101** **Introduction to Maritime Transportation** (3)
This course presents an introduction to the interdisciplinary study of maritime-related topics with an examination of the physical maritime environment and maritime cultures, history, and industries. Students enrolled in this course will learn what maritime transportation consists of, how it operates, how it is characterized economically, and how it is regulated. Three hours of lecture per week.
- MTMS 202** **Maritime Law** (3)
This course covers the process involved in the exercise of jurisdiction by nations over the maritime area. It presents the roles of major global shipping on nations' maritime policy, with special emphasis on past and present maritime legislation, business regulations, corporate governance issues, and related case studies. Three hours of lecture per week.
- MTMS 303** **American Maritime History** (3)
This course presents the development of American maritime enterprise from colonial times to the era of the containership, and its relationship to American political, economic, and cultural history. Three hours of lecture per week.
- MTMS 321** **International Business and Ocean Shipping** (3)
This course presents the global business environment and its implications for operations, management, pricing, promotion, and financial strategies. It also presents the maritime capabilities in facilitation of contemporary supply chains, the liner and tramp segments of the international marine transportation industry, and their role in international trade. Three hours of lecture per week. *Pre-requisite: MTMS 101 with a grade of "C" or better.*
- MTMS 322** **Port and Terminal Operation Management** (3)
This course provides an overview of the history, growth, organization, and operation of major ports and transportation terminals, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo movement, and integration of marine port and terminal operations with other modes of transportation. It introduces the functions of the port divided along business lines, different types of marine terminals, and the day-to-day operational, financial, and labor issues of ports and terminals. Three hours of lecture per week. *Pre-requisite: MTMS 101 with a grade of "C" or better.*
- MTMS 341** **Maritime Security Management** (3)
This course provides the basic framework and knowledge to perform the duties and responsibilities of a Company Security Officer (CSO), Port Facility Security Officer (PFSO), or Ship Security Officer (SSO) as defined by the ISPS Code. It presents how to implement and maintain a security plan and how to work with other security officer. Three hours of lecture per week. *Pre-requisite: MTMS 101 with a grade of "C" or better.*
- MTMS 342** **Maritime Security Technology** (3)
This course explores the implications and consequences of the scientific and technological issues in terms of maritime security in the social and political context. It presents instruction and discussion on current security issues and technologies. For example, containers now coming out of a port terminal are scanned for radiation; what can the scanners detect and if radiation is detected, what does that mean? How would a city be evacuated in the event a nuclear device was detected? Another example of technology with far reaching implications is that of biometrics: suppose everybody had their retina patterns in a national database? When is personal information too intrusive for government access? Three hours of lecture per week. *Pre-requisite: MTMS 101 with a grade of "C" or better.*
- MTMS 361** **Maritime Environmental Management** (3)
This course presents an overview of the basic environment regulations as they pertain to the maritime industry. The environmental management strategies (EMS) to be covered include knowing the fundamental structure of environmental strategies, EMS alternatives, alternative dispute resolution, how an effective EMS can reduce costs and increase profits, and what environmental laws may be triggered by relevant activities. Sections of the following laws pertaining specifically to Vessel Operations are used:

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN MARITIME TRANSPORTATION MARITIME MANAGEMENT AND SECURITY (WITH MINOR)
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)	OTHER REQUIREMENTS	MINOR REQUIRE- MENTS
42 credits	EQUIVALENT	36 credits	22 credits	21 credits
Communication:		MTMS 101 (3)	ITEC 331 (3)	
ENG 131 (3) **	ENGL 1301	MTMS 202 (3)	ITEC 412 (1)	
ENG 132 (3)	ENGL 1302	MTMS 303 (3)	MGMT 300 (3)	
Mathematics:		MTMS 321 (3)	MGMT 402 (3)	
MATH 133 (3)*	MATH 1314	MTMS 322 (3)	MATH 231 (3)	
Life and physical sciences:		MTMS 341 (3)	MIS 304 (3)	
Life and Physical Sci- ences (6)****		MTMS 361 (3)	MKTG 306 (3)	
Language, philosophy, and culture:		MTMS 424 (3)	GEOG 132 (3)	
ENG 2xx (3) ***	ENG 23xx	MTMS 463 (3)		
Creative arts:		MTMS 481 (3)		
MUSI 239 (3)	HUMA 1315	MTMS 495 (3)		
American history:		MTMS Electives (12)***		
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY 131 (3)	PSYC 2301			
Institutional Options:				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COCS 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represent the number of course credits.

* Pending English and Math examinations

*** Elective course selected from MTMS 423, 425, 443, 445, 462, 482, 483.

**** Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS 1302 (3), PHYS 2325 (3).

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN MARITIME TRANSPORTATION MANAGEMENT AND SECURITY (WITHOUT MINOR)
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	45 credits	34 credits
Communication:		MTMS 101 (3)	ITEC 331 (3)
ENG 131 (3) **	ENGL 1301	MTMS 202 (3)	ITEC 412 (1)
ENG 132 (3)	ENGL 1302	MTMS 303 (3)	MGMT 300 (3)
Mathematics:		MTMS 321 (3)	MGMT 301 (3)
MATH 133 (3)*	MATH 1314	MTMS 322 (3)	MGMT 402 (3)
Life and physical sciences:		MTMS 341 (3)	SPAN (6)**
Life and Physical Sci- ences (6)****		MTMS 361 (3)	MATH 231 (3)
Language, philosophy, and culture:		MTMS 424 (3)	MIS 304 (3)
ENG 2xx (3) ***	ENG 23xx	MTMS 463 (3)	CS 117 (3)
Creative arts:		MTMS 481 (3)	MKTG 306 (3)
MUSI 239 (3)	HUMA 1315	MTMS 495 (3)	GEOG 132 (3)
American history:		MTMS Electives (3)***	
HIST 231 (3)	HIST 1301		
HIST 232 (3)	HIST 1302		
Government/political science:			
POLS 235 (3)	GOVT 2305		
POLS 236 (3)	GOVT 2306		
Social and behavioral sciences:			
PSY 131 (3)	PSYC 2301		
Institutional Options:			
SC 135 (3)	SPCH 1321		
CS 116 (3)	COCS 1301		

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represent the number of course credits.

* Pending English and Math examinations

** Can be substituted by any foreign language course including Chinese, Russian, Japanese, French, etc.

*** Elective course selected from MTMS 423, 425, 443, 445, 462, 482, 483.

**** Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS 1302 (3), PHYS 2325 (3).

**BACHELOR OF SCIENCE DEGREE IN
MARITIME TRANSPORTATION MANAGEMENT & SECURITY
DEGREE PLAN - TOTAL CREDITS: 120
(WITH MINOR)**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	NSCI IXX* Life and Physical Sciences	3
	SC 135 Business & Professional Communication	3	PSY 131 General Psychology	3
	NSCI IXX* Life and Physical Sciences	3	MTMS 101 Intro to Maritime Transportation	3
	CS 116 Intro to Computer Science I	3	GEOG 132 World Regional Geography	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	Minor XXX Minor Course	3	MUSI 239 Fine Arts and Daily Liv	3
	MATH 231 Elementary Statistics I	3	Minor XXX Minor Course	3
	MTMS 202 Maritime Law	3	ENG 2XX (Any 200 Level)	3
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.	3
	MTMS 341 Maritime Security Mgmt	3	MKTG 306 Principles of Marketing	3
	MGMT 300 Principles of Management	3	MTMS 322 Port and Term. Oper. Mgmt.	3
	ITEC 331 Technical Writing	3	MTMS XXX **Elective**	3
	MTMS 321 Inter. Busi. And Ocean Ship.	3	Minor XXX Minor Course	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MTMS 424 Contain. And Mo. Cargo Stw	3	MTMS 463 Maritime Environmental Law	3
	MIS 304 Information Technology	3	MTMS 481 Seminar in Maritime Busines	3
	MGMT 402 International Management	3	Minor XXX Minor Course	3
	Minor XXX Minor Course	3	ITEC 412 Senior Seminar	1
	Minor XXX Minor Course	3	MTMS 495 Practicum	3
	15 hrs	Minor XXX Minor Course	3	
			16 hrs	

* Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS 1302 (3), PHYS 2325 (3).

** Elective Options: MTMS 423, 425, 443, 445, 482, 483, 490

**BACHELOR OF SCIENCE DEGREE IN
MARITIME TRANSPORTATION MANAGEMENT & SECURITY
DEGREE PLAN - TOTAL CREDITS: 120
(WITHOUT MINOR)**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 133 College Algebra		3	NSCI IXX* Life and Physical Sciences	3
SC 135 Business & Professional Communication		3	PSY 131 General Psychology	3
NSCI IXX* Life and Physical Sciences		3	MTMS 101 Intro to Maritime Transportation	3
CS 116 Intro to Computer Science I		3	CS 117 Intro to Comp. Science II	3
			GEOG 132 World Regional Geography	3
	15 hrs		18 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877
POLS 235 American Political Systems I		3	POLS 236 American Political Systems II	3
SPAN 131** Elementary Spanish		3	MUSI 239 Fine Arts and Daily Liv	3
MATH 231 Elementary Statistics I		3	SPAN 132** Elementary Spanish II	3
MTMS 202 Maritime Law		3	ENG 2XX (Any 200 Level)	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.
MTMS 341 Maritime Security Mgmt		3	MKTG 306 Principles of Marketing	3
MGMT 300 Principles of Management		3	MTMS 322 Port and Term. Oper. Mgmt.	3
ITEC 331 Technical Writing		3	MTMS XXX **Elective**	3
MTMS 321 Inter. Busi. And Ocean Ship.		3	MGMT 301 Personnel and Manpower Dev	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MTMS 424 Contain. And Mo. Cargo Stw	3	MTMS 463 Maritime Environmental Law
MIS 304 Information Technology		3	MTMS 481 Seminar in Maritime Busines	3
MGMT 402 International Management		3	MTMS XXX ***Elective***	3
MTMS XXX ***Elective***		3	ITEC 412 Senior Seminar	1
MTMS XXX ***Elective***		3	MTMS 495 Practicum	3
		15 hrs		13 hrs

* Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS 1302 (3), PHYS 2325 (3).

** Can be substituted by any foreign language courses including Chinese, Russian, Japanese, French, etc.

*** Elective Options: MTMS 423, 425, 443,445, 482, 483, 490

TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD	FALL ODD	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	CO-REQUISITE
MTMS 101	Introduction to Maritime	3	x	x		x	x		none	
MTMS 202	Maritime Law	3	x			x			none	
MTMS 303	American Maritime History	3	x			x			none	
MTMS 321	International Business and Ocean Shipping	3		x			x		MTMS 101	
MTMS 322	Port and Terminal Operation Management	3	x			x			MTMS 101	
MTMS 341	Maritime Security Management	3	x			x			MTMS 101	
MTMS 361	Maritime Environment Management	3		x			x		MTMS 101	
MTMS 424	Containerization and Modern Cargo Stowage	3	x			x			MTMS 101	
MTMS 463	Maritime Environmental Law	3		x			x		MTMS 101 and MTMS 102	
MTMS 481	Seminar in International Maritime Business	3		x			x		MTMS 101	
MTMS 495	Practicum	3		x			x		MTMS 101	Senior Standing
MTMS 423	Marine Cargo Operations	3		x			x		MTMS 101	
MTMS 425	International Intermodal Transportation	3				x			MTMS 101	
MTMS 443	Maritime Transportation Security			x			x		MTMS 101 and MTMS 341	
MTMS 445	Maritime Risk Assessment and Management	3	x			x			MTMS 101	
MTMS 482	Advanced Transportation Management	3	x						MTMS 101	
MTMS 483	Maritime Studies Senior Seminar	3					x		MTMS 101	Senior Standing
MTMS 490	Independent Study in Maritime Transportation Management and Security	3	x	x		x	x		MTMS 101	Senior Standing



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