



Undergraduate Catalog 2016 - 2018

TEXAS SOUTHERN UNIVERSITY



TEXAS SOUTHERN UNIVERSITY

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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 the University's website, individual college requirements, up to date publications and their 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	Sport 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
		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 Kinesiology
		Bachelor of Science (B.S.) in Athletic Training
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 – 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	Pharmacy Administration and Administrative Health Sciences	Bachelor of Science (B.S.) in Health Administration
		Bachelor of Science (B.S.) in Health Information Management
	Pharmaceutical and Environmental Health Sciences	Bachelor of Science (B.S.) in Environmental Health
	Pharmacy Practice and Clinical Health Sciences	Bachelor of Science (B.S.) in Respiratory Therapy
Bachelor of Science (B.S.) in Clinical Laboratory Science		

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
College of Science, Engineering and Technology	Aviation Science and Technology	Bachelor of Science (B.S.) in Aviation Science Management
		Bachelor of Science (B.S.) in Aviation Science Management (Professional Pilot Concentration)
	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	Bachelor of Science (B.S.) in Civil Engineering
		Bachelor of Science (B.S.) in Electrical and Computer
		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
	Physics	Bachelor of Science (B.S.) in Physics (Texas Physics Consortium)
	Transportation Studies	Bachelor of Science (B.S.) in Maritime Transportation Management and Security

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 ensuring equality, offering innovative programs that are responsive to its urban setting, and transforming 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 will become one of the nation's preeminent comprehensive metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research and creative activities, and our commitment to be a contributing partner to our community, state, nation, and world.

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, Engineering 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.

REGENTS OF ADMINISTRATION

BOARD OF REGENTS

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John Williams	Interim Dean, Jesse H. Jones School of Business
Reza Poudah	Interim Dean, School of communication
Lillian Poats	Dean, College of Education
Dannye Holley	Dean, Thurgood Marshall School of Law
Nikki Taylor	Interim 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, Engineering and Technology
Elizabeth Brown-Guillory	Interim Dean, Thomas F. Freeman Honors College

POLICIES AND ACCREDITATION

NOTICE OF NONDISCRIMINATORY POLICIES

Texas Southern University is in compliance with Title VII 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 Amendments Act (ADAAA) 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 LICENSED AND CONCEALED WEAPONS ON CAMPUS POLICY

In accordance with Texas law, the open carry of firearms on the campus of Texas Southern University is strictly prohibited. Pursuant to Section 411.203(b) of the Texas Governmental Code, commencing on August 1, 2016 a license holder may carry a concealed handgun on or about the University's campus, except in areas selected by the University as gun free zones. The prohibited areas are marked by signage in both English and Spanish, apprising all persons with the statutory notice that the specific location is a gun free zone.

University policy prohibits the possession, carrying, storing or use of firearms, ammunition, illegal knives, clubs, explosive devices or materials, fireworks of any design, "paintball" guns, BB or air pistols/rifles, and facsimile weapons by persons, other than law enforcement officers, not authorized under the state of Texas concealed handgun law. Persons found in violation of this policy will be removed from campus and may be subject to arrest and criminal prosecution. Students and employees will also be subject to disciplinary action, which may include expulsion and termination of employment.

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.

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 Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions concerning the accreditation of Texas Southern University.

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.

The College of Education holds NCATE accreditation through the Council for Accreditation of Educator Preparation programs. It is also accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the Council for the Accreditation of Educator Preparation Programs and the Association of Colleges for Teacher Education.

The Jesse H. Jones School of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

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 Barbara Jordan-Mickey Leland School of Public Affairs, the Master of Public Administration program is accredited by the Network of Schools of Public Policy, Affairs and Administration (NASPAA) and holds membership in NASPAA; The Master's of Urban Planning and Environmental Policy program is accredited by the Planning Accreditation Board (PAB) and holds membership in the Association of Collegiate Schools of Planning (ACSP).

Four of the programs in the College of Science, Engineering 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 Engineering Technology Commission of the Accreditation Board for Engineering and Technology (ETC of ABET); and the industrial technology and airway science management programs are accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

The Thurgood Marshall School of Law is accredited by the American Bar Association, and is a member of The Association of American Law Schools, and the American Association of Law Libraries.

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 freshmen applicants who do not meet the University's admission requirement may 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, 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.

E. All transfer applicants who do not meet the University's admission requirement may be individually reviewed by the University Admissions Committee. Applicants considered for individual review may be required to submit additional documents (e.g., high school transcript, ACT/SAT test scores, interview) to gain admission to the University.

• **(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

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 \$42 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.
- E. Transient admission can only be granted for one academic semester. Requests for transient admission beyond one academic semester may be considered but the applicant must reapply for transient admission for the subsequent semester(s) and provide additional documentation from the college or university in attendance regarding their academic standing with the institution.

• **(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, and Rule 4.27. These sections specifically addresses 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

Texas residents may request to have all academic coursework completed at any institution of higher education 10 or more years prior to submitting an application for admission or readmission be disregarded for admission purposes under the Academic Fresh Start Program (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. New applicants for admission or readmission may request consideration for the Academic Fresh Start Program only once at Texas Southern University.
5. The Director of Admissions has the final authority on determining whether an applicant meets the requirements for the Academic Fresh Start Program.

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 TSI Assessment is a State of Texas mandated program. The TSI assessment is required for all First-time Freshmen and Non-Resident Transfer Students. The TSI Assessment test is a diagnostic assessment used to determine college readiness in the areas of reading, mathematics. This program also will help determine what type of course or intervention will best meet students’ needs to help them better prepared for college-level course.

TSI test scores are not used to determine admissions status; however, entering students must test before enrolling in college-level courses at any Texas higher education public institution. Students who have tested but have not attained the established minimum scores on one or more sections of the test are required by Texas Law to obtain TSI advisement and enroll in a formal program of skills development each semester until they are deemed TSI complete for all sections of the test.

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: Academic advisement for all students, including those that have not met the TSI standard is handled within the respective school or college of the student's academic major.

Texas Success Initiative (TSI) Exemption Rules

ACT & SAT Exemptions

SCORES CAN BE NO MORE THAN FIVE YEARS OLD

ACT Scores required for TSI Exemption	SAT Scores required for TSI Exemption
Composite: 23 or higher and Subtest: Math score of 19 or Higher is TSI Math Exempt.	Composite: 1070 or higher and Subtest Math score of 500 or higher is TSI Math Exempt.
Composite: 23 or higher and Subtest: English score of 19 or Higher is TSI Writing & Reading Exempt.	Composite: 1070 or higher and Subtest Critical Reading score of 500 or higher is TSI Writing & Reading Exempt.

TAKS Exemption

SCORES CAN BE NO MORE THAN FIVE YEARS OLD

Eleventh grade exit-level TAKS scores of 2200 or higher on math and/or 2200 or higher in English Language Arts with a writing composition rating of at least 3.

[The English Language Arts and written composition sections must be met together -- if neither or only one area is met, student must take both the reading and writing sections of a TSI test.]

STAAR Exemption

STAAR end-of-course (EOC) with a minimum score of Level 2 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

Existing College Degree Exemption

Students who have an associate or bachelor's degree earned from a regionally accredited college or university.

Military Exemptions

Military Service:

- (a) Students who are serving in the state of Texas as active duty members of the Armed Forces of the United States. Official documentation of active duty status for the enrollment period is required. Students must file a Verification of Active Duty form each semester which can be obtained in the Base Education Office.
- (b) Students who are on active duty in the Texas National Guard.
- (c) Students who are members of a reserve component of the armed forces for at least 3 years preceding enrollment.
- (d) Students who on or after August 1, 1990, were honorably discharged, retired, or released from active duty as a member of the U.S. armed forces, Texas National Guard, or member of reserve component. A copy of the DD214 form showing this status is required.

Transfer Student Exemptions

Students who are transferring to TSU from a private or out-of-state, regionally accredited, college or university may meet sections of the Texas Success Initiative based on a grade of C or better in courses that are equivalent to the following courses at Texas Southern University.

Writing*:

ENG 131 or 132- Freshman English I & II

Reading*:

ENG Literature 230, 231, 235 & 244 (World, American and African American)

HIST 231 or 232 - United States History

POLS 235 or 236 - American Government

PSY 131- General Psychology

Mathematics*:

MATH 133- College Algebra or any higher level MATH

Students who believe they meet one of the exemptions, should be sure that the appropriate test scores/transcripts are submitted to the TSI Coordinator (by email: neveusr@tsu.edu or in person, call 713-313-6886 to schedule an appointment) as soon as possible.

Additional TSI Notes:

Students previously considered TASP or TSI exempt/complete from another Texas state institution will not have to meet TSI requirements; however, all course prerequisites must be met. (Official documents must be presented at the time of exemption) Some international courses may not meet these requirements. The Transfer Center will inform students of their transfer credits once transcripts have been evaluate.

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 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 of 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
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:

A. Only the dean of the college or school 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:

1. A written petition justifying their readiness to resume their studies at the University.
2. Transcripts showing at least a 2.50 grade point average on all college work completed elsewhere while on academic suspension from Texas Southern University.
3. Transcripts of all other completed college work.
4. 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.

TSU GENERAL EDUCATION CORE CURRICULUM

Texas Core Curriculum, Effective 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 require 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

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 230 1
		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)	ENGL 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	POLSC 235 (3)	GOVT 2305
		POLSC 236 (3)	GOVT 2306
Social and Behavioral Sciences	3	One from the following courses:	
		ECON 231 (3)	ECON 230 1
		ECON 232 (3)	ECON 230 2
		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 230 1

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

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. Invitations are optional and may be ordered through the University Bookstore one month or more prior to commencement. These fees do not include the purchase of cap and gown or rental fee. Caps and gowns are also ordered through the University Bookstore.

	Doctoral	Law	Master's	Bachelor's	Pharmacy
Microfilm Service	\$40.00				
Postage & Handling	\$10.00				
Diploma Fee	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00
Cap, Gown, Hood	Please contact the Bookstore for purchase and rental fees – 713-313-7030				

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

What is an official transcript?

An official transcript is the University's certified document of your academic record. The official transcript includes all levels of study (undergraduate, graduate, and professional). Official transcripts are printed on security paper. Transcripts contain confidential information and are released only in accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA). For your protection, we will not release an official transcript without your signature. (Transcripts may not be re-disclosed without written permission from the student with the exception of a court ordered subpoena.)

Before an official transcript can be released, all admissions requirements, fiscal and financial aid obligations to the university must be met.

Transcript and Delivery Options

The Transcript division of the Office of the Registrar produces only official transcripts. Official Texas Southern University transcripts will either be printed on watermark security paper with the University Seal and the signature of the University Registrar, or transmitted via Electronic Data Interchange (EDI) through the National Student Clearinghouse (Effective Fall 2016). **Students who were enrolled prior to Fall 1987 at Texas Southern University may only obtain an official transcript on watermark security paper.** Official transcripts may be picked-up, mailed, and electronic delivered.

Pick-up

Go to the Student Accounting Department to make a payment of \$5.00 per transcript (includes all levels of course work). Go to the Registrar's Office counter located on the second floor of the Bell Building to submit your proof of payment and to complete your transcript request form(s). Photo ID is required.

If another person is picking up your transcript, you must fax to (713-313-1878) or scan to (transcripts@tsu.edu) a signed statement authorizing us to release your transcript and name of the individual. We will ask for a photo ID and will **not accept a not brought in by the person picking up the transcript.**

Mail

You may write a letter or use the Transcript Request Form. Please include the following with your transcript request form:

- Name
- Date of birth
- Student I.D. number or last four numbers of your Social Security
- Your current address
- Address where transcript is to be mailed
- Your signature
- Check or money order for \$5.00 per transcript made out to Texas Southern University

Online

- Select "**Order Transcripts on the Web.**" (Effective Fall 2016)
- Select "Current" or "Former" student and follow the detailed instructions.
- The price of a transcript set (set includes all levels of course work) (Effective Fall 2016)
- Payable by VISA, MasterCard or Discover.

Delivery options

- US Mail-Sent via the United State Postal Service first class mail
- PDF transcript delivery is an official Texas Southern University transcript delivered electronically over a secure network to the email address you designate as the recipient. (Effective Fall 2016)

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.

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.

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

Title to real property in Texas and reflect the ownership interest of the person or dependent's parent.
Marriage certificate with documentation to support that spouse is a domiciliary of Texas.

Ownership of business in Texas with documents that evidence the organization or the business as a partnership or corporation.
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.

Utility bills for the 12 months preceding the census date

A Texas high school transcript for a full senior year of attendance preceding the census date

A transcript from a Texas institution showing presence in the state for the 12 months preceding the census date

A Texas driver's license or Texas ID card with an expiration date of not more than four years

Cancelled checks that reflect a Texas residence for the 12 months preceding the census date

A current credit report that documents the length and place of residence of the person or the dependent's parent

Texas voter registration card that has not expired

Pay stubs for the 12 months preceding the census date

Bank statements reflecting a Texas address for the 12 months preceding the census date

Ownership of real property with copies of utility bills for the 12 months preceding the census date

Registration or verification from licensor, showing Texas address for licensee

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

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 Student Accounting. 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, credit card, cashier's check, money order, or personal check and 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.

Statutory Tuition. Statutory tuition is assessed to all registered students and the charge is authorized under Texas Education Code (TEC) §54.051 in an amount determined by the Texas Legislature for resident or nonresident students. Information on specific rates may be secured from the Office of Student Accounting.

Designated Tuition. Designated tuition is assessed to all registered students and is used to construct, equip, repair, and renovate buildings and facilities.

Student Service Fee. The Student Service Fee is assessed to all registered students and 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.

Student Center Fee. The Student Center Fee is assessed to all registered students and is used for operating, maintaining, improving, and equipping the Student Center and acquiring or constructing additions to the Student Center.

Library Service Fee. The Library Service Fee is assessed to all registered students and is used for operating, maintaining, improving, and equipping the Robert J. Terry Library and for providing library services to students.

International Education Fee. The International Education Fee is assessed to all registered students and issued 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.

Recreational Facility Fee. The Recreational Facility Fee is assessed to all registered students and is used for constructing, operating, maintaining and equipping the recreational facilities and programs.

Intercollegiate Athletics Fee. The Intercollegiate Athletics Fee is assessed to all registered students and is used to develop and maintain an intercollegiate athletics program at the University.

Medical Service Fee. The Medical Service Fee is assessed to all registered students and 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.

Computer Service Fee. The Computer Service Fee is assessed to all registered students and is used to help support the provision of computer services to students.

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

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.

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

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

Full payment of tuition and fees by the twentieth day of class or

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 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.

Late Payment Fee. A student who fails to make full payment of tuition and fees, or does not have a financial aid deferment by the posted deadline will be assessed a late payment fee.

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.

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

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

Health Insurance. All international students will be assessed a fee for health insurance coverage. Students must provide verification of satisfactory health insurance coverage for the enrollment term to have the fee waived.

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 a course(s) 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:

- | | | |
|---|---------------------------------|------|
| • | Prior to the first day | 100% |
| • | During the first week of class | 80% |
| • | During the second week of class | 70% |
| • | During the third week of class | 50% |

- During the fourth week of class 25%
- After the fourth week of class 0%

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:

- Prior to the first day 100%
- During the first, second, or third class day 80%
- During the fourth, fifth, or sixth class day 50%
- Seventh day of class and thereafter 0%

The refundable charges assessed at registration are tuition and applicable fees. Refunds of tuition and 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 pay fees through financial aid/assistance (including Federal loans/grants) 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 Housing Food 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 in as much 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, re-enroll 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:

- The student took his or her first college course in Fall 1997 or later,
- The student was a Texas resident at all times while pursuing his or her degree,
- The student was entitled to pay resident tuition at all times while pursuing his or her degree,
- The student not yet graduated, and
- 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-credit 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 Federal Pell Grant is a federal program designed to assist students in pursuing their first baccalaureate degree. Students 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. The 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. **Students must be permanent residents or U.S. citizens to be eligible for the Federal Pell Grant. 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 according to federal methodology. Students must be enrolled at least half time to be considered. Students with the highest need will be given priority for the Federal SEOG program.

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

The Federal Work-Study Program provides part-time employment opportunities for resident and nonresident students with established financial need according to federal guidelines. 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 not work over 20 hours each week. Students must attend a mandatory orientation prior to placement starting to 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

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. Students must be permanent residents or U.S. citizens to be eligible for the Federal Direct Loan Programs. The loan programs are not available to international students or to high school students who have gained early admission to the University.

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 March 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

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 qualitative component, credit hours attempted and earned (ratio) and qualitative component, the cumulative grade point average (GPA) needed based upon their individual academic classifications 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.

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 of 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:

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.

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.

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.

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.

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.

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.

All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.

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, Federal Direct Subsidized/Unsubsidized Loans, Federal Graduate PLUS Loan, and Federal PLUS Loan.

The calculation of Title IV funds earned by the student has no relationship to the student's incurred institutional charges. The institutional Return to Title IV and Post-withdrawal disbursement policy is located in the university catalog and on the university's website on the Manual of Administrative Policies and Procedures (MAPP) 03.08.08. Federal Student aid may not cover all unpaid institutional charges due to the institution upon the student's withdrawal. The Office of Student Accounting and Billing, in conjunction with the Office of Student Financial Assistance, will perform a Return of Title IV funds calculation 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 processed according to the federal regulations based on the last day of attendance. 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 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, 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 or the last date of the student's activity in a university related academic activity can be documented.

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.

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 summer terms

Students enrolled in non-standard terms should consult the course bulletin or Registrar's Office for the census date. Failure to maintain enrollment until the census may render the student ineligible for aid and cause a return of funds to the Title IV programs.

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. If course registrations affecting the student's official census registration are made by the Registrar's Office, additional corrections impacting the student eligibility and/or award amount may be made. Concurrent Enrollment Agreements, Consortiums and Study Abroad will be reviewed and adjusted based on enrollment; per the program requirements for minimum enrollment 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 a learning and living program that caters to freshman.

To begin the housing reservation process, a student will submit an electronic housing application via the TSU Housing website at www.tsu.edu/housing.

Housing Reservations

Reservations are made on a priority basis. Freshmen will be served first priority at the freshman housing facility. 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.**

Students must provide proof of receiving the Meningitis Vaccine prior to applying for housing.

Housing Cancellations

All requests for cancellation of housing reservation or term must be in writing and submitted to the housing. All requests for termination of housing/food contracts must be submitted in writing to the housing office.

Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, lease agreement, resident handbook, 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, and/or the Office of Judicial Affairs.

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 referral services to TSU students. We also offer consultation, education, training, and prevention strategies to faculty, staff, and the university community. We seek to promote an environment of inclusion and personal development.

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 individual counseling, couples and family counseling, group counseling, referrals, conflict resolution, and public presentations for campus organizations and/or academic classes.

The UCC staff consists of mental health professionals from diverse clinical backgrounds. In addition, we consult with psychologists, psychiatrists, and physicians as 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 a part 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 provides medical care to students when they are sick or injured, and consistently delivers educational programming campus-wide. To receive services at the clinic, students must be registered for the current semester and have a valid Tiger One Card. Medical services are provided by medically trained staff on a walk-in basis.

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 hours of operation and on weekends, students should contact TSUPD at (713) 313-7000 for assistance. Services and some medications are provided free of charge to students. Fees for services received outside of the clinic are the responsibility of the student.

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

Health Insurance

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. For assistance with completing the waiver, please contact Student Health Services or the International Student's Office.

Domestic students have a variety of options for obtaining health insurance including, purchasing the university sponsored health insurance, remaining on their parents insurance or purchasing insurance from the provider of their choice.

Health Awareness/Health Promotions

Each semester Student Health Services provides peer-lead outreach programs focusing on the prevention of the spread of communicable diseases and health promotions. Our annual programming includes: HIV/STI presentations, health fairs, blood and bone marrow registration drives, and health awareness campaigns.

HIV testing is available in the Student Health Center every Wednesday and Friday, during the fall and spring semesters.

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.

Health Requirement

All students, 21 years old and younger, attending the university for the first time, are required to submit a copy of their shot record to Student Health Services. The shot record should show proof of vaccination against bacterial meningitis within the past 5 years.

Visit us on the web at www.tsu.edu, or call (713) 313-7173, for detailed instructions on how to submit your shot record to Student Health Services.

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 organization's 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. 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 non-consensual 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, J.D.

Interim Asst. Vice President
 /CHRO & Title IX Coordinator
 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:

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:

Keisha David, J.D.

Interim Asst. Vice President /CHRO &
Title IX Coordinator
Office of Human Resources
Hannah Hall, Room 126
Texas Southern University
Houston, TX 77004
(713) 313-7037
David_KL@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.

A. 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.

B. 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.

C. 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.

D. 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).

E. 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 by the Office of Human Resources. 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 Director of Human Resources. 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 Director of Human Resources. If the complaint involves the Director of Human Resources, the employee should make a report to the University's Assistant Vice President of Human Resources/CHRO.

All complaints must be submitted in writing three hundred (300) days of the incident (or last series of incidents) that is the basis of the complaint. For more information, call the Office of Human Resources at (713) 313-7521.

SEXUAL HARASSMENT

Policy. It is the policy of Texas Southern University that all employees and students have the right to work in and attend school in an environment free of discrimination and sexual harassment. As such, the University has a no-tolerance policy on sexual harassment. 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 opposite sex (male-to-female, female-to-male), faculty-student and same-sex (female-to-female, male-to-male) 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; and
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.

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.

Retaliation against employees or students who report sexual harassment or assist the University in investigating a complaint is against the law and University policy (MAPP 02.05.14), and is strictly 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.

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. In the event the University learns that an employee or student 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 in accordance with applicable University policies.

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 Office of Human Resources shall be responsible for the coordination, dissemination, training 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 Human Resources shall serve as resources with regard to training and

guidance on sexual harassment-related matters.

3. Each dean, director, department chairman and/or administrative officer of an operational unit shall cooperate with the Office of Human Resources 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 Office of Human Resources.

4. Failure of supervisors to promptly 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 report and/or take timely corrective action in cases of sexual harassment.

5. It is the obligation of every faculty, student and staff member of the University to adhere to this policy and attend or participate in annual sexual harassment/Title IX training.

6. All University employees and students are required to participate in a sexual harassment/Title IX investigation when their assistance is requested.

7. The University shall exercise reasonable care to prevent and promptly correct any sexual harassing behavior, and to safeguard all students, faculty and staff members against sexual harassment. The University shall also exercise due diligence to prevent any harm that could have been avoided.

8. 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.

9. Retaliation against an employee or student who reports sexual harassment or assists the University in investigating a complaint is prohibited. Any individual who retaliates against a complainant or witness under these circumstances will be subject to appropriate disciplinary action, up to and including termination of employment or expulsion from the University.

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, faculty, staff campus visitor or contractor, to report that action immediately to the University Title IX Coordinator or a Deputy Coordinator in accordance with the Title IX Grievance Procedure (MAPP 02.05.09).

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.

Every dean, department head, director, supervisor or administrator is responsible for promptly reporting incidents of sex discrimination, sexual harassment and sexual assault that come to their attention to the University's Title IX Coordinator or a Deputy Coordinator. All other individuals are urged to report to their supervisors or the University's Title IX Coordinator/Deputy Coordinator conduct that they believe violate the University policies prohibiting sex discrimination.

The University will work to investigate all complaints as quickly and as professionally as possible. All investigations will be resolved in accordance with the University's Title IX Grievance Procedure (MAPP 02.05.09). When investigations confirm the allegations, appropriate corrective action will be taken.

When investigations confirm the allegations, appropriate corrective action will be taken, up to and including termination.

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.

Abandonment of Complaint.

The following acts on the part of the employee or student may constitute abandonment of a complaint:

Failing to respond or take an action required by the procedure within the specified time limit;

Failing to appear for a scheduled meeting without adequate cause; or

Otherwise failing to advance the complaint in a timely manner, as determined by the Office of Human Resources

The Chief Human Resources Officer may unilaterally declare a complaint to be abandoned and close the file, or may undertake a review of the status of the complaint upon request of the department head. No further action or appeal will be allowed following such determination of abandonment and closure of the file.

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.

OFFICE OF CONTINUING EDUCATION

The Texas Southern University Weekend College and Division of Continuing Education was renamed, the College of Continuing Education by the Board of Regents on June 3, 1994; this marks one of the most significant changes in the unit since it was created in 1973 originally as the “Weekend College.” As of July 2012, the College of Continuing Education has been renamed the Office of Continuing Education (OCE) and our role is to continue to provide programs and services that affirm the University's mission.

The Office of Continuing Education is Texas Southern University's administrative unit for essentially delivering non-credit courses, but we also offer courses for college credit through our Weekend College for non-traditional students seeking a degree. More specifically, our unit is designed to meet identifiable community needs in lifelong learning and professional development by providing educational opportunities for all.

Our Office of Continuing Education has a long history of success that is consistent with the University’s overall strategic plan and our overall goals are:

To offer degree programs through the Weekend College program for students who have earned previous college credits.
To offer a suite of high quality continuing education programs that provides certification and licensure in high demand fields.
To be responsive to the needs of our community by offering enrichment and recreational programs that support principles of lifelong learning.

Our programs are largely a response to what we believe represents what people tell us they need to advance their career or just to grow in life. Therefore, we offer both regular college credit courses and courses that qualify for continuing education. Our new certificate programs will offer participants learning experiences that are targeted at ensuring that they bring about meaningful career advancement or opportunities for transitioning to new and exciting careers. Our continuing education offerings provide a vehicle for members of the communities we serve to pursue their lifelong learning goals through targeted programs, seminars, workshops, conferences and special events.

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 alternative pathways for learning, especially where online options exist
Working students seeking professional and/or personal enrichment through certification courses and CEU's
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 which offers for-credit courses for degree completion is governed by the same criteria for admissions into the University:

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 Weekend College Program leads to a Bachelor of Arts Degree in General Studies.

OTHER TYPES OF OFFERINGS

Non-Credit Courses and Continuing Education Units

Texas Southern University's Office of Continuing Education 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 we will offer CEU credits.

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

Full listings of all non-credit course offerings available on the TSU webpage, including online courses.

Enrichment Programs

For more than two decades now, the OCE has run an ever popular and highly sought after Youth Enrichment Program (YEP). It is a comprehensive academic/recreational program for elementary and secondary school students during the summer. The program offers core academic courses (reading, math, and writing) 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 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. Log on our TSU webpage or please contact the OCE at 713-313-7577 to receive updated information.

THE ROBERT JAMES TERRY LIBRARY

The Robert James Terry Library supports Texas Southern University's academic and research mission and vision. The library ensures appropriate access to relevant educational resources and services. These services and resources are designed to enhance and facilitate learning and research. Through information literacy, the library prepares 21st century learners to be lifelong learners in the information age. The library's knowledgeable and experienced team provides reference and research assistance, consultation and instruction.

The principal research resources consist of comprehensive collections of print and non-print materials that support curriculum, instruction and research. The print collection consists of more than 280,000 circulating items. The library also licenses and provides access to an impressive collection of over 260 electronic databases, affording access to approximately 80,000 full text e-journals. Additional electronic databases provide access to more than 100,735 e-books. Most of these electronic databases are accessible on campus, off campus and through electronic mobile devices. To encourage and reinforce 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.

The Library has four Circulating Collections. Materials are classified using the Library of Congress Classification (LC) System. Based on this system, items classed 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 Texas Southern University's website. Access to library resources is available through 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. Wireless access is available throughout the library.

Services provided by the Terry Library include: bibliographic (course-centered) instruction, information literacy instruction, "Ask A Librarian", borrowing, faculty reserves, My Account, interlibrary loan and document delivery. Distance Learning Services and reciprocal borrowing from TexShare libraries are available for currently enrolled students, and current TSU employees. 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 access to photocopying equipment; free scanning; and services for persons with disabilities. For more information (See Robert James 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 diverse repository of collections with local, state, regional, national and 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 Archive.

OFFICE OF INFORMATION TECHNOLOGY

Who We Are

Welcome to the Office of Information Technology @ Texas Southern University. Many significant strides have been made over the last several years to integrate systems throughout campus so that they function interactively as an aggregate unit. Central to this effort has been the consolidation of divergent technology areas into a single Office of Information Technology (OIT) with a clearly defined mission.

This 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, project management and the management of the University's helpdesk services.

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: **"Enterprise Architecture, Enterprise Infrastructure, Enterprise Services, Enterprise Applications."**

Our Vision

The Office of Information Technology will become a more aware advocate for student and university technology needs. We will be committed in supporting university core values; proactive in analyzing trends and data to govern initiatives; become more service-oriented; and become a trusted strategic business partner of the university by concentrating on ROI and business value to support student success.

Our vision will lay the foundation for our core IT strategic goals of Ensuring Student Success, Enhancing Academic Excellence, Supporting the Infrastructure, Pursuing Innovation and Securing Our Financial Future.

Our Mission

The mission of the Office of Information Technology is to provide strategic vision, leadership, and quality IT solutions for all things technology with a service-centric mindset for Texas Southern University staff and students.

IT Business Units are the areas of responsibility for the Office of Information Technology that develop business strategy and plans of action to support the university in its core values and initiatives.

Enterprise Applications

Enterprise Applications directs all activities concerning the Banner Enterprise Resource Planning (ERP) System that assist Banner Staff in recording and maintaining data for all students, employees, alumni, and donors.

The department also manages and supports Banner Staff with core responsibilities in daily operation of the Banner ERP system and Third Party Products that integrate with it.

Degree Works

Luminis

Banner Security

Banner Third Party Products

Banner Document Management

Banner System Administration

Enterprise Architecture

Enterprise Architecture defines and manages the alignment between business strategy and technology structure. Enterprise Architecture guides IT through the business, information, process and technology changes required to execute strategies and roadmaps.

The department also leads the Project Management office that provides project portfolio management, supports IT governance, IT communications, and reporting.

- Strategic Planning
- IT Project Portfolio Management
- Project Management Consulting
- IT Communications & Reporting
- Governance Standards & Compliance
- Business Process Management

Enterprise Infrastructure

Enterprise Infrastructure provides direction and support of the TSU Network Operations and Management.

The department also manages the data center and MDF/IDF closets, server and storage systems, email, wireless infrastructure, telecommunications, and provides backup/restore, database administration services, authentication systems, and essential IT security services for the enterprise.

- Telecommunications
- Disaster Recovery
- Security and Data Protection
- Systems & Data Management Services
- Wireless Infrastructure
- Data Center Management
- Email Management
- Enterprise Servers & Storage

Enterprise Services

Enterprise Services provides the front-end IT support to maintain and improve service quality and reliability of IT computing services. The department manages the Executive Support Group, Desktop Services, Web Services, Academic Technology, Computer Labs, Service Center and Mobile.

- Enterprise Computing Support
- Computer Labs
- Mobile Applications
- Web Management
- Executive Support
- Academic Technology
- IT Service Center
- Audio Visual Support

THE TSU OFFICE OF VETERAN AFFAIRS (TSUOVA), TEXAS SOUTHERN UNIVERSITY VETERANS RESOURCE CENTER (TSUVRC), RESERVE OFFICERS' TRAINING CORPS (ROTC) PROGRAMS, AND OTHER AFFILIATED PROGRAMS AND SERVICES

The Office of Veteran Affairs 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), military transcript Joint Service 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.

The Texas Southern University Veterans Affairs Resource Center (TSUVRC) (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 the Houston VA Medical Hospital. 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 including participation in the Texas Southern University Student Veterans of America (TSUSVA) chapter. TSUOVA also provides training to the TSU Faculty/Staff Veterans Task Force so faculty, staff, advisors and other key personnel have knowledge of veterans' regulations. To inquire about any benefits, programs, or resource assistance, please contact us at (713)-313-7862/7327 or via email at veteransaffairs.tsu.edu or johnsont@tsu.edu. You may also find information online at <http://students.tsu.edu/departments/veteran-affairs/>, TSU Office of Veterans Affairs Facebook page and TSUOVA Twitter account, the Department of Veterans Affairs website at www.va.gov or the Texas Veterans Commission website at www.tvc.org

VETERANS (VA) BENEFITS (FEDERAL)

Information regarding VA benefits is located on the VA website www.va.gov. Additional required document information is located on the TSU website under Veterans Affairs.

VA benefits include Chapter 30, 31, 33, 35, 1606 and 1607. Tuition Assistance (TA) is also available and is handled between the students unit (military reservist) and the TSU Office of Student Accounting. A copy of the authorization should be provided to the TSUOVA for inclusion in the file. Students are reminded that federal law does not allow for the University to process out of state tuition/fees. The student has the responsibility to provide the residency application to the TSUOVA for approval and forwarding to the TSU Office of the Registrar for final processing (waiver, not to be confused with in-state tuition/fees).

TEXAS HAZLEWOOD ACT (STATE)

Information and the application for the Hazelwood Act can be found at www.tvc.org. Additional required document information is located on the TSU website under Veterans Affairs. Student are reminded to comply with timelines, GPA/SAP eligibility and in-state requirement for Veteran and dependents (some exclusions apply-contact TSUOVA for more information).

VETERANS PRIORITY REGISTRATION/PROCESSING

Veterans receive priority registration for all semesters 1 week prior to regular student registration. Current and prospective students are encouraged to begin the benefits application process at least 45 days prior to Veterans Registration. Early submission of all required documentation is processed in the order received granted all paperwork has been received by the TSUOVA and ensures delivery of benefits in a timely manner.

Reserve Officer Training CORPS (ROTC)

General information is provided regarding the opportunity for students to prepare for military service and receive paid scholarships in the program. Students are considered to be in the Houston Corps of Cadets. 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).

Army ROTC Program

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

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.

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.

VETERANS TUITION REBATE

Veterans have the opportunity to receive a \$1000 tuition rebate upon completion of their undergraduate degree. Please see or contact the TSUOVA for more information.

TSU STUDENT VETERANS OF AMERICA CHAPTER (TSUSVA)

Veterans, spouses, children and any other individuals interested in working with and assisting the TSU veterans community are eligible to join and support our campus chapter.



JESSE H. JONES SCHOOL OF BUSINESS

JESSE H. JONES SCHOOL OF BUSINESS

The mission of the Jesse H. Jones School (JHJ School) of Business 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.

In pursuing our mission, the JHJ School is committed to the following core values: Student-Centered Learning, Global Perspective, Community Engagement, Professionalism, and Innovativeness.

The Jesse H. Jones School of Business consists of three departments: (1) Accounting, (2) Business Administration, and (3) Finance and Economics. **Through these three departments, five undergraduate degrees and three graduate degrees are offered.** Students should refer to the Graduate School Bulletin of Texas Southern University for information on the graduate degree programs.

Department	Degree Programs
Accounting	Bachelor of Business Administration (B.B.A) in Accounting
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
	Master of Business Administration (M.B.A.) in Business Administration
	Master of Science (M.S.) in Management Information Systems
	Executive Master of Business Administration (e.M.B.A.) (Online)
Finance and Economics	Bachelor of Business Administration (B.B.A) in Finance

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

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

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

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.

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.

At least 50 % of the business semester credit hours required for the various business degrees must be earned at Texas Southern University.

Students may not enroll in advanced courses without satisfactorily completing the prerequisites required for such courses. Students earning undergraduate degrees from the School are not required to declare a minor in a second academic discipline offered through the University.

Students must complete a comprehensive exit examination prior to graduation. Proper professional conduct is required of all students enrolled. This includes dress, language, honesty, personal integrity, and personal ethics.

ACCREDITATION

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. The Jesse H. Jones School of Business is also accredited by AACSB International, the premier global accrediting agency for programs in business. AACSB International accreditation is the hallmark of distinction in management education and assures students, faculty, alumni and other stakeholders of the School’s commitment to maintaining a standard of excellence in business education and a program for continuous quality improvement.

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 of participating state universities 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) seeks to improve the quality of life for graduate students and enhance their profile by providing opportunities to further entrepreneurship and job placement, establishing a network with local, regional or national graduate business school chapters and graduate associations on the campus of Texas Southern University, promoting volunteerism and community awareness by establishing partnerships within the business community, and supporting graduate program student recruitment and retention.

Computer and Information Technology Student Organization (CITSO) provides a channel for communication between students and professional leadership within information systems environments, promotes volunteerism and community awareness by establishing partnerships within the business community. Membership mainly consists of management information systems and computer science majors.

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 purpose is to promote professional development in accounting, encourage and help members of minority groups entering the accounting

profession, and 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

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 and 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 below “C” 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 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 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 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>

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	(3)
	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.	
ACCT 433	Auditing	(3)
	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.	
ACCT 436	Federal Income Tax Accounting II	(3)
	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.	
ACCT 438	Governmental and Not-For-Profit Accounting	(3)
	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.	
ACCT 445	Contemporary Topics in Accounting	(3)
	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.	
ACCT 446	Accounting Internship	(3)
	Faculty supervised work experience where written reports are required. Prerequisites: Junior or senior status and consent of the instructor	

**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 (30)	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 (9)*****
MATH 135 (3)	MATH 1324	BADM 230 (3)	HIST 281 (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 G EOL 141 or P HYS 101 or P HYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or P HYS 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 M USI 136 or M USI 239 or T HEA 130 or A RT 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	Major Requirements (27)	
<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 Math for Bus Econ Analysis II	3
	MATH 135 Math for Bus Econ Analysis I	3	MIS 204 Fundamentals of Info Systems	3
	SC 135 Business & Professional Comm	3	BADM 230 Advanced Communication Skills	3
	Creative Arts MUSI 239 or THEA 130	3	Life and Physical Sciences Biol 143	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems	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 Geol 141	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	HIST 281 Intro to African American History	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 course

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. A minor in Finance is 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 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 grade 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 below “C” 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>Norman, Emlyn A. Assistant Professor B.A. University of New Brunswick M.A. Harvard University</p>
<p>Chatterjee, Amitava Professor B.S., M.S., University of Calcutta Ph.D., University of Mississippi</p>	<p>Saunders, William Associate Professor B.S., Southwest Missouri State University J.D., University of Indiana</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>Tai, Chu-Sheng Professor B.S., National Cheng Kung University M.S., Golden Gate University M.A., M.A.S., Ph.D., Ohio State University</p>
<p>Keleta, Ethiopia Professor B.A. Haile Selassie University, Addis Ababa M.A. University of Texas at Austin Ph.D., Rice University</p>	

ECONOMICS COURSES

- ECON 131** **Introductory Economics** **(3)**
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.
- ECON 231** **Principles of Economics I** **(3)**
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.
- ECON 232** **Principles of Economics II** **(3)**
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.
- ECON 315** **Environmental Economics** **(3)**
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.
- ECON 325** **Health Economics** **(3)**
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 ECON232.
- ECON 330** **Intermediate Microeconomics** **(3)**
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.
- ECON 332** **Labor Economics** **(3)**
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.
- ECON 336** **Intermediate Macroeconomics** **(3)**
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.

- ECON 337** **Monetary Theory and Policy** **(3)**
 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.
- ECON 339** **Economics of Money and Banking** **(3)**
 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.
- ECON 431** **Economics of Public Finance** **(3)**
 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.
- ECON 436** **Urban Economics** **(3)**
 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.
- ECON 437** **Introduction to Econometrics** **(3)**
 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.
- ECON 440** **Managerial Economics** **(3)**
 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.
- ECON 442** **International Economics** **(3)**
 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.
- 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.

- 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, FIN312, 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 FINANCE
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (FINANCE)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
Communication:		School Core Requirements (30)	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 (9)*****
MATH 135 (3)	MATH 1324	BADM 230 (3)	HIST 281 (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 (7)	
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 Freshmen English II	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Bus Econ Analysis II	3	
	MATH 135 Math for Bus Econ Analysis I	3	MIS 204 Fundamentals of Info Systems	3	
	SC 135 Business & Professional Comm	3	BADM 230 Advanced Communication Skills	3	
	Creative Arts MUSI 239 or THEA 130	3	Life and Physical Sciences Biol 143	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 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture	3	
	Life and Physical Sciences Geol 141	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	3	
	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	HIST 281 Intro to African American History	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FIN 302 Mgmt of Financial Institutions	3	FIN 403 Corporate Financial Management	3	
	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(30)	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 (9)****
MATH 135(3)	MATH 1324	BADM 230 (3)	HIST 281 (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 orG EOL 141 orP HYS 101 orP HYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 orB IOL 2301 orGE OL 1303 orPH YS 1315 or PHYS 1301 orP HYS 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 orM USI 136 orM USI 239 orT HEA 130 orA RT 135 or ART 137	MUSI 1301 or MUSI 1306 or MUSI 1315 or DRAM 1310 orA RTS 1301 orHU MA 2323	Major Requirements(27)	
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 230 1	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 Math for Bus Econ Analysis II	3
	MATH 135 Math for Bus Econ Analysis I	3	MIS 204 Fundamentals of Info Systems	3
	SC 135 Business & Professional Comm	3	BADM 230 Advanced Communication Skills	3
	Creative Arts MUSI 239 or THEA 130	3	Life and Physical Sciences Biol 143	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	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 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture	3
	Life and Physical Sciences Geol 141	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	HIST 281 Intro to African American History	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	
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. 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-one (21) 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-one (21) 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 below “C” 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 Professor B.S., Tuskegee Institute M.B.A., Clark Atlanta University Ph.D., Mississippi State University</p>	<p>Srinivasan, S. Distinguished Professor M.A., University of Pittsburgh M.S., University of Akron Ph.D., University of Pittsburgh</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>Superville, Claude Professor B.B.A., Florida International University M.S., Ph.D., University of Alabama</p>
<p>Cooley, Delonia Associate Professor B.S., M.S., M.B.A., University of Arkansas Fayetteville Ph.D., University of Memphis</p>	<p>Taylor, Richard Associate Professor B.B.A., M.B.A., Midwestern State University Ph.D., University of Houston</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>Vanjani, Mahesh Professor B.Com., University of Calcutta M.B.A., M.A., University of Mississippi Ph.D., University of Mississippi</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>Williams, John H. Associate Professor B.S., Prairie View A & M University M.B.A., Ph.D., University of Texas at Austin</p>
<p>Ojode, Lucy Professor B. Com., University of Nairobi M.B.A., University of Nairobi Ph.D., University of Illinois, Urbana Champaign</p>	<p>Williams, Johnnie Professor B.A., Rollins College M.S., University of Tennessee Ph.D., University of Tennessee</p>
<p>Parks-Yancy, Rochelle Professor B.S., Central State University M.B.A., Howard University Ph.D., Rutgers University</p>	<p>Woldie, Mammo Professor B.A., Haile Selassie University M.S., Western Michigan University Ph.D., Oklahoma State University</p>
<p>Sherif, Karma Professor B.A., American University in Cairo M.S., Ph.D., Texas A&M University</p>	<p>Yorke, George G. Professor B.A., M.S., Howard University Ph.D., University of Virginia</p>
<p>Smith, Marion Associate Professor B.S., Rensselaer Polytechnic Institute M.B.A., Rensselaer Polytechnic Institute Ph.D., University of Houston</p>	

BUSINESS ADMINISTRATION COURSES

- BADM 101** **Introduction to Business, Government, and Society** **(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.

**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 (30)	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 (9)****
MATH 135 (3)		MATH 1324	BADM 230 (3)	HIST 281 (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 (27)	
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 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 Math for Business & Econ Analysis I	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 Environ Bus	3
	Creative Arts	3	Life & Physical Sciences	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	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	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	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	HIST 281 (3)	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 395 Team building 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 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 (30)	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 (9)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	HIST 281 (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:		Major Requirements (27)	
HIST 231 (3)		Concentration (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)		Electives (6)	
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		SEC OND 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 & Econ Analysis II	3	
	MATH 135 Math for Bus & 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	
	15hrs		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 330 Organizational Behavior	3	
	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	HIST 281 African American History	3	
	15 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MGMT 408 Managing the Global Workforce	3	BADM 450 Organizational Policy & Strategy	3	
	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		

BACHELOR OF BUSINESSADMINISTRATION 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 (9)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	HIST 281 (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)	
Crtive 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:		Major Requirements (27)	
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)	
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	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Business & Econ Analysis II	3	
	MATH 135 Math for Bus & 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 300 Principles of Management	3	
	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	HIST 281 African American History	3	
		15 hrs			15 hrs
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MIS 410 Systems Analysis & Design	3	BADM 450 Organizational Policy & Strategy	3	
	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
<u>Communication:</u>		School Core Requirements (30)	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 (9)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	HIST 281 (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		
<u>American history:</u>			
HIST 231 (3)		Major Requirements (27)	
HIST 232 (3)		MKTG 307 (3)	
<u>Government/political science:</u>		MKTG 336 (3)	
POLS 235 (3)		MKTG 430 (3)	
POLS 236 (3)		MKTG 435 (3)	
<u>Social and behavioral sciences:</u>		Electives (15)	
ECON 231 (3)		MKTG 431 (3)	
<u>Institutional Options:</u>		MKTG 432 (3)	
SC 135 or SC 136 (3)		MKTG 444 (3)	
MIS 204 (3)		BADM 466 (3)	
		SPMT 333 (3)	
		MIS 304 (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 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 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	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	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	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	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 331 Business Statistics II	3
	MIS 304 Information Technology	3	MGSC 302 Operations Management I	3
	FIN 301 Basic Financial Management	3	HIST 281 African American History	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BADM 466 Business Internship	3	BADM 450 Organizational Policy & Strategy	3
	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	

ENTREPRENEURSHIP MINOR FOR NONBUSINESS MAJORS TOTAL CREDITS REQUIRED : 21
21 credits
ECON 231 (3)
ENTR 300 (3)
ACCT 231 (3)
ACCT 232 (3)
BADM 234 (3)
ENTR 330 (3)
ENTR 335 (3)

**B BUSINESS ADMINISTRATION MINOR FOR
NON-BUSINESS MAJORS
TOTAL CREDITS REQUIRED : 21**

21 credits

ECON 231 (3)

ACCT 231 (3)

ACCT 232 (3)

BADM 234 (3)

FIN 301 (3)

MGMT 300 (3)

MKTG 306 (3)



THE SCHOOL OF COMMUNICATION

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 (BA) in Entertainment and the Recording Industry Management; Journalism; Radio, Television and Film; and Speech Communication.** For students who major in disciplines in which the declaration of a minor is required the School offers the following minors: Entertainment and the Recording Industry Management; Journalism; Radio, Television, and Film; and Speech Communication. **It offers one graduate degree: the Master of Arts (MA) in Communications. Please refer to The Graduate School Bulletin of Texas Southern University for detailed information on the MA in Communications.**

In pursuing the BA 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 Speech Communication concentration 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).

Students pursuing a degree in Radio, Television, and Film may select one of three specialties: radio, television, or film. Selecting a specialty is not required because students, in consultation with an academic advisor, 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 the 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 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 undergraduate degrees, students should seek detailed advisement from a faculty advisor within the department offering the minor. An undergraduate student cannot qualify for graduation with fewer than 120 semester credit hours satisfactorily completed.

Requirements for the BA 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.

For a minor in Entertainment and the 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), 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: Minor in RTF could be selected from a combination of courses in radio, TV and film, or specifically from a specialty:

General RTF minor, twenty-one (21) credit hours: RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), plus a minimum of eight (8) 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.

Suggestions for students interested in a specific specialty:

Minor in Radio, twenty-one (21) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), RTF 360 (4), and RTF 361 (4).

Minor in Television, twenty-one (21) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), RTF 353 (4), and RTF 355 (4).

Minor in Film, twenty-five (25) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 240 (4), RTF 250 (4), RTF 331 (3), RTF 344 (3), and RTF 353 (4).

Students 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 ASSET 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.

In summary, an interested student must: (1) first gain admission to the university; (2) meet his or her ASSET responsibility; (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>Duncan, Clyde Jr. Visiting Assistant Professor B.A., Texas Southern University M.A., Texas Southern University Ph.D., Newburgh Theological Seminary, Indiana</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>Jeffries, Winslow Visiting Assistant Professor B.A., Texas Southern University M.A., Texas Southern University</p>	<p>Randle, Ladonia Instructor B.A., Huston-Tillotson University M.A., Texas Southern University</p>
<p>Johnson, Napoleon Visiting Assistant Professor B.A., New Mexico Highlands University M.A., Texas Southern University</p>	<p>Regis, Humphrey Professor B.A., University of DC, Washington DC M.A., University of Maryland Ph.D., Howard 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>Sandifer-Walker, Serbino Assistant Professor B.A., Texas Southern University M.S., Columbia 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>Thomas, Dominic M. Visiting Instructor B.A., Southern University M.A., Southern University Ed.D., Texas Southern University</p>
<p>Ulasi, Christian Associate Professor B.S., M.A., Texas Southern University Ph.D., The University of Texas at Austin</p>	<p>Walker-Hawkins, Vera Associate Professor B.A., Tufts University M.A., Ohio University Ph.D., The University of Texas at Austin</p>
<p>Ward, James. W. Professor B.A., Texas Southern University M.A., Texas Tech University Ph.D., Wayne State University</p>	

DEPARTMENT OF COMMUNICATION ARTS AND SCIENCES

Vision and Mission Statement

The goal of the Department of Communication Arts and Sciences is to develop and evaluate programs that foster students' ethical, social, professional and intellectual development in communication fields. In addition, the department seeks to nurture students' capacities to think critically, creatively, and skillfully. The department seeks to develop students' commitment to social and personal responsibilities, and to hold respect for every person. Another goal of the department is to prepare students for the workforce, enabling them to gain employment in their respected disciplines. It also seeks to prepare students for further education. Development and enhancement of students' communication skills are the focus of each concentration in the Department of Communication Arts & Sciences. Students must possess high communication skills, because communication is considered as one of the most important factors at work and societal success.

Degree Requirements

Students pursuing baccalaureate degrees in the Department of Communication Arts and Sciences first must be admitted into the university, and meet their ASSET responsibility, before meeting degree program requirements. In order to attain the Bachelor of Arts in Communication Arts & Sciences, students must select from the two curriculum concentrations: Organizational Communication or Intercultural-Interpersonal Communication. For either of the two concentrations, students are required to declare a minor in a second academic discipline. In the selection of concentration courses, students must meet with a designated advisor, who can assist them in the selection of major courses, general education courses (core curriculum), and minor. In addition, students must seek advising from the designated advisor in their minors' respective disciplines. In both major and minor courses, including English 131 and English 132, grades less than "C"--including "C- "-- are not acceptable. Those courses must be repeated.

In order to receive a baccalaureate degree in Communication Arts & Sciences (CAS/SC), students must complete 120 semester hours. These must include major courses totaling 46 credit hours, minor courses totaling 21 credit hours, the general education courses (core curriculum) totaling 42 hours, and elective courses totaling 11 credit hours. In no case is an undergraduate student qualified to graduate unless he/she has completed 120 credits hours. For a student to be granted a baccalaureate degree by the Department of Communication Arts & Sciences, the requirements must be met under the supervision of the major advisor.

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.**

**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
<u>Communication:</u>		CM 110 (1)	Elective (11)	Contact Department choice after being admitted as a major in the Department.
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<u>Mathematics:</u>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<u>Life and physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	SC 136 (3)		
GEOL 141 (3)	GEOL 1303	SC 230 (3)		
<u>Language, philosophy, and culture:</u>		SC 232 (3)		
ENG 2xx (3) ***		SC 330 (3)		
<u>Creative arts:</u>		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)		
<u>American history:</u>		SC 432 (3)		
HIST 231 (3)	HIST 1301	SC 433 (3)		
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>		SC Electives (6)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCL 1301 or SOCL 1306			
<u>Institutional Options:</u>				
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	ENG 132
Math 133		3	GEOL 141	3
BIOL 143		3	ART 139 , or CS 116	3
CM 110(Speech Proficiency Lab)		1	PSY 131 or SOC 157 or SOC 158	3
SC 135(Business & Professional Com.)		3	SC 136 (Public Address)	3
CM 130 (Intro to Comm. Studies)		3		
		16hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235	3	POLS 236
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or ENG 244		3	MUSI 131,239,OR THC 130	3
SC 230 (Urban Rhetorical Patterns)		3	SC 232 (Interpersonal Communication)	3
CM 200 (Intro to Media Research Tech.)		3	SC Elective	3
		15hrs		15hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	SC 330 (Persuasion)	3	SC 332 (Group Communication Process)
CM 332 (Computers in Communication)		3	CM 330 (Professional Dev. & Ethics)	3
Minor		3	Minor	3
Minor		3	Elective	3
Elective		3	Elective	1
		15hrs		13hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	Minor	3	Minor
CM 430 (Internship)		3	Minor	3
Elective		4	SC 433 (Health Communication)	3
SC 431 (Nonverbal Communication)		3	SC Elective	3
SC 432 (Intercultural Communication)		3	Minor	3
		16hrs		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
<u>Communication:</u>		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
<u>Mathematics:</u>		CM 330 (3)		a major in the
MATH 133 (3)	MATH 1314	CM 332 (3)		Department.
<u>Life and Physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	SC 136 (3)		
GEOL 141 (3)	GEOL 1303	SC 230 (3)		
<u>Language, philosophy, and culture:</u>		SC 232 (3)		
ENG 2xx (3) ***		SC 330 (3)		
<u>Creative arts:</u>		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)		
<u>American history:</u>		SC 338 (3)		
HIST 231 (3)	HIST 1301	SC 434 (3)		
HIST 232 (3)	HIST 1302	SC 438 (3)		
<u>Government/political science:</u>		SC Electives (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCL 1301 or SOCL 1306			
<u>Institutional Options:</u>				
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	ENG 132
Math 133		3	THC 130 or MUSI 131	3
BIOL 143		3	GEOL 141	3
CM 110 Speech Proficiency Lab		1	PSY 131, or SOC 157 or SOC 158	3
SC 135 (Business & Professional Com.)		3	SC 136 (Public Address)	3
CM 130 (Intro to Communication Studies)		3		
		16hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235	3	POLS 236
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or ENG 244		3	ART 139 or CS 116	3
SC 230 (Urban Rhetorical Patterns)		3	SC 232 (Interpersonal Communication)	3
CM 200 (Intro to Media Research Tech)		3	CM 330 (Professional Dev. & Ethics)	3
		15hrs		15hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	SC 330 (Persuasion)	3	SC 332 (Group Communication Process)
CM 332 (Computers in Communication)		3	SC 333 (Interviewing)	3
Minor		3	SC 338 (Intro to Organizational Comm.)	3
Minor		3	Minor	3
Elective		3	Elective	3
		15hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	Minor	3	Elective
Minor		3	Minor	3
CM 430 (Internship)		3	SC 438 (Organizational Structure & Comm. Behavior)	3
SC 434 (Principles of Leadership)		3	Minor	3
SC Elective		3	Elective	1
		15hrs		14hrs

DEPARTMENT OF JOURNALISM

Departmental Organization

Journalism has been taught at Texas Southern University since the Texas Legislature passed enabling legislation for the university in 1947. Many of its graduates have gone on to form a cadre of African-American journalists who fill a void in American newsrooms.

The Department of Journalism is one of three departments in the School of Communication, which includes departments of Communication Arts and Sciences, and Radio, Television and Film. In addition the School of Communication offers a concentration in Entertainment Recording and Management. Journalism majors may choose from three concentrations: print journalism, broadcast journalism and advertising/public relations. Graduate students may also earn a master's degree in journalism.

Journalism majors are required to take a series of courses required of all School of Communication students. These include Introduction to Communication Studies (CM 130), Introduction to Media Research Techniques (CM 200), Computer Applications in Communication (CM 332), and an internship, Experiential Learning (CM 430).

Mission and Goals

The mission of the Department of Journalism is to prepare students to professionally communicate in the rapidly changing world of digital technology by teaching them the fundamentals of writing, reporting and editing, and engaging them with video shooting and editing, the creation of websites, the uses of social media and the application of smart phones. Our students graduate to use these skills professionally in the news media, business and public relations.

While journalism is undergoing changes in its business model, the opportunities for practicing journalism in both mainstream media combined with the expanding world of digital communication has led to an explosion of entrepreneurial possibilities for graduates. Students across the country have been flooding journalism programs not because they all want to be reporters at news companies, but because they know communication skills are in high demand in the business world.

Faculty members in the Department of Journalism are dedicated to creating a program in which students learn to develop the digital and entrepreneurial skills they need to compete in this changing environment.

Degree Concentrations

The Department of Journalism offers three degree concentrations: print journalism, broadcast journalism and advertising/public relations. All three concentrations require students take three reporting classes: introductory, intermediate and advanced. All students are required to take classes in news editing, law and the media and computers in communication.

Broadcast journalism majors take introductory, intermediate and advanced classes in broadcast journalism as well as classes in Radio, Television Film.

Print journalism and advertising/public relations majors are required to take a minor. Often they choose RTF in order to enhance their digital skills. A few take a business and marketing minor. Broadcast journalism majors must take 19 hours of production classes in Radio, Television Film and are not required to take a minor.

Approximately 150 students were enrolled as journalism majors in the spring of 2015. An estimated two-thirds are taking the broadcast journalism concentration. The other third is divided between print and advertising/public-relations concentrations. Only grades of C or better in School classes and in English are accepted for the major or minor in journalism.

Student Success as Measured by Student Learning Outcomes

In compliance with accrediting requirements, the department created an assessment plan designed to measure student achievement. The first goal is "Students will demonstrate professional standards in writing." This goal is measured by reviewing student

portfolios in the advanced reporting class required of all journalism majors. The two student learning outcomes (SLOs) are: “Students will write effective, fact-based introductions to stories and “Students will write grammatically, stylistically correct stories.” These skills are measured by review of reporting portfolios in JOUR 332, Advanced Reporting.

The second goal is “Students will demonstrate readiness for professional work.” This goal is measured by reviewing internship evaluations for the internship class required for all School of Communication majors. The two student learning outcomes are: “Student will demonstrate strong work habits, professional attitudes,” and “Students will demonstrate effective communication skills.” These are measured by reports of internship supervisors.

JOURNALISM COURSES

JOUR 130	Introduction to Journalism 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	(3)
JOUR 132	Introduction to Reporting 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.	(4)
JOUR 133	Introduction to Broadcast News Introduction to reporting and writing news for the broadcast media. Four hours of lecture per week.	(4)
JOUR 232	Introduction to Advertising 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.	(3)
JOUR 234	Introduction to Public Relations 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.	(3)
JOUR 235	Online Journalism I 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.	(3)
JOUR 238	Intermediate Reporting 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.	(4)
JOUR 242	Intermediate Broadcast News Refining skills in gathering, evaluating, and writing news for the broadcast media. Four hours of lecture per week. Prerequisites: JOUR 132 and JOUR 133.	(4)
JOUR 251	The Black Press 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.	(3)

JOUR 253	News Editing I Development of clear, effective editing, rewriting, headline writing, page make-up, and reporting management for the print media. Three hours of lecture per week.	(3)
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)

**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 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 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 SOCL 1301 or SOCL 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 SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
MATH 133 College Algebra		3	ART 135 or ART 137 or THC 130 or MUSI 131	3
BIOL 143		3	GEOL 141	3
CM 110 Speech Proficiency Lab		1	PSY 131 or SOC 157 or 158	3
SC 135 or SC 136		3	CM 130 Intro to Communication Studies	3
JOUR 130 Intro to Journalism		3		
		16hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or ENG 244		3	ART 139 or CS 116	3
JOUR 132 Intro to Reporting		4	JOUR 235 Online Journalism	3
CM 200 Intro to Media Research		3	JOUR 238 Intermediate Reporting	4
		16hrs		16hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	JOUR 253 News Editing I	3	JOUR 335 Computer Assisted Reporting
CM 332 Computers in Communication		3	JOUR Elective	3
JOUR 331 Law and Ethics of Journalism		3	CM 330 Professional Dev. & Ethics	3
Minor		6	Journalism Elective	3
			Minor	3
		15hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 Internship	3	Minor
Journalism Elective		3	Elective	2
JOUR 332 Advanced Reporting		4		
JOUR 435 (Multimedia Graphics Designs)		3		
		13hrs		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	Contact Department of choicee 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 Electivee (3)		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCL 1301 or SOCL 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 & PUBLIC RELATIONS CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
MATH 133 College Algebra		3	ART 135 or ART 137 or THC 130 or MUSI 131	3
BIOL 143		3	GEOL 141	3
CM 110 Speech Proficiency Lab		1	PSY 131 or SOC 157 or 158	3
SC 135 or SC 136		3	CM 130 Intro to Communication Studies	3
ART 139 OR CS 116		3		
		16hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or ENG 244		3	JOUR 232 Intro to Advertising	3
JOUR 132 Intro to Reporting		4	JOUR 235 Online Journalism	3
CM 200 Intro to Media Research		3	JOUR 238 Intermediate Reporting	4
		16hrs		16hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	JOUR 253 News Editing I	3	JOUR 335 Computer Assisted Reporting
JOUR 234 Intro to Public Relations		3	JOUR 356 Advertising & PR Campaign	3
CM 332 Computers in Communication		3	CM 330 Professional Dev. & Ethics	3
JOUR 331 Law and Ethics of Journalism		3	Minor	3
Minor		3		
		15hrs		12hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 Internship	3	Minor
Journalism Elective		3	Elective	2
JOUR 332 Advanced Reporting		4		
JOUR 435 Multimedia Graphics Designs		3		
Minor		3		
		16hrs		14hrs

**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
<u>Communication:</u>		CM 110 (1)	Electivee (4)	A minor is NOT required for this concentration.
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<u>Mathematics:</u>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<u>Life and physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	JOUR 130 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 132 (4)		
<u>Language, philosophy, and culture:</u>		JOUR 133 (4)		
ENG 2xx (3) ***		JOUR 235 (3)		
<u>Creative arts:</u>		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)		
<u>American history:</u>		JOUR 253 (3)		
HIST 231 (3)	HIST 1301	JOUR 331 (3)		
HIST 232 (3)	HIST 1302	JOUR 332 (4)		
<u>Government/political science:</u>		JOUR 335 (3)		
POLS 235 (3)	GOVT 2305	JOUR 443 (4)		
POLS 236 (3)	GOVT 2306	RTF 131 (3)		
<u>Social and behavioral sciences:</u>		RTF 255 (4)		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCL 1301 or SOCL 1306	RTF 268 (4)		
<u>Institutional Options:</u>		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
DEGREE PLAN - TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131	3	ENG 132	3	
	MATH 133 College Algebra	3	ART 135 or ART 137 or THC 130 or MUSI 131	3	
	BIOL 143	3	GEOL 141	3	
	CM 110 Speech Proficiency Lab	1	PS Y 131 or SOC 157 or 158	3	
	SC 135 or SC 136	3	CM 130 Intro to Communication Studies	3	
	JOUR 130 Intro to Journalism	3			
		16hrs		15hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231	3	HIST 232	3	
	ENG 230 or ENG 231 or ENG 235 or ENG 244	3	ART 139 or CS 116	3	
	JOUR 132 Intro to Reporting	4	JOUR 133 Broadcast News	4	
	CM 200 Intro to Media Research	3	JOUR 235 Online Journalism	3	
		16hrs		16hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	RTF 131 Intro to Media Aesthetics	3	JOUR 253 News Editing	3	
	RTF 255 Intro to Videography	4	JOUR 331 Law and Ethics of Journalism	3	
	JOUR 238 Intermediate Reporting	4	CM 330 Professional Dev. & Ethics	3	
	JOUR 242 Intermediate Broadcast News	4	RTF 360 Voice and Diction	4	
		15hrs		13hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	JOUR 332 Advanced Reporting	4	CM 332 Computers in Communication	3	
	JOUR 335 Computer Assisted Reporting	3	JOUR 443 Advanced Broadcast News	4	
	RTF 268 Intro to Digital Video Editing	4	RTF 355 Television Production	4	
	CM 430 Internship	3	Journalism Elective	4	
		14hrs		15hrs	

DEPARTMENT OF RADIO, TELEVISION AND FILM (RTF), AND ENTERTAINMENT & RECORDING INDUSTRY MANAGEMENT (ERM) PROGRAM

Mission, Goals, and Objectives

The Radio, Television, and Film Department faculty and Dean developed its initial mission and goals with the founding of the Department in 1973. Over the years these goals and objectives underwent frequent revisions to align them with the Department's curriculum. The last major revision of the Department's curriculum was in 2013 which resulted in the addition of several courses in digital filmmaking, documentary and postproduction (see Appendix) The mission of the RTF Department is to educate professionals to a high level of excellence in the production and critical studies of radio, television, film and new media.

The Radio, Television and Film program at Texas Southern University engages students in the production and critical studies of radio, television, film and new media. We offer our students a balanced curriculum that provides integrated study and training in the art and business of the electronic media. The Bachelor of Arts program in Radio, Television and Film combines 60 credit hours of a broad general education with 61 credit hours of required, related and free electives that each student can shape toward their individual educational goals within the major.

The Production emphasis blends practical, hands-on learning with a firm grounding in the aesthetics, history and craft of media production. The Media Studies emphasis blends practical research and writing skills with the study of the history, evolution and business practices of the electronic media.

With programs that combine a strong liberal arts framework with the latest media technology, our students are taught to think critically as they explore countless opportunities to express themselves creatively and prepare for professional careers as the next generation of communication leaders.

Students in the Department of Radio, Television and Film engage, learn and achieve. Texas Southern University students' productions have won over 10 local, regional, and national awards since 2010.

The Entertainment and Recording Industry Management Program –

The Entertainment and Recording Industry Management degree was 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.

Our students have access to a rich variety of resources including:

Award-winning faculty who are industry experts, working professionals, and accomplished scholars, including local and regional award winners, documentary and feature filmmakers, radio personalities, writers, editors, and producers.

State-of-the-art television, film and radio facilities including radio station, KTSU 90.9 FM Radio (The Choice), in which to work and learn, as early as the first year

Unparalleled real-world experience on and off-campus, including hundreds of internship opportunities within 30 miles of Houston, the 4th largest city and 8th largest media market in the U.S.

Selecting a specialty 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 Department currently requires six course (21 credit hours) to complete a minor.

RADIO, TELEVISION, FILM COURSES

- RTF 130** **Introduction to Media Studies** **(3)**
Survey of history, theories, aesthetics, cultural, political, economic, and international characteristics of mass media in society. Three hours of lecture per week.
- RTF 131** **Introduction to Media Aesthetics and Production** **(3)**
Basic information including theories, aesthetics and skills required to equip students to communicate through audiovisual media. Four hours of lecture per week with studio and field hours to be arranged.
- RTF 135** **Introduction to Photography** **(4)**
A hands-on introductory course covering the principles of photography using a 35 mm or digital camera. Four hours of lecture per week with studio and field hours to be arranged.
- RTF 240** **Introduction to Film** **(3)**
A survey of the history of film and its development from 1800's to present. Major contributors to its development will be examined. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131.
- RTF 250** **Film Industry** **(3)**
A survey of the business of motion picture industry and its economic structure. The course covers the processes involved in making studio and independent films. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131.
- RTF 255** **Introduction to Videography** **(4)**
Students will be introduced to digital video camera techniques in shooting professional quality videos. Includes location shoots and practice. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131.
- RTF 268** **Introduction to Digital Video Editing** **(4)**
A survey of the principles of editing for effective storytelling. The current tools and techniques used in the industry will be discussed. Students will use a variety of professional applications to improve their editing skills. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131.
- RTF 299** **Independent Internship** **(1)**
Allows students to intern in a professional setting to earn experience as they embark on their academic careers. Students are responsible for their own placement depending on their career interests. This is an unsupervised internship. One credit hour per semester. Prerequisite: Consent of the instructor and academic advisor. **MAY BE REPEATED TWICE.**
- RTF 331** **Media Analysis and Criticism** **(3)**
Same as JOUR 362. Analysis of critical methods for electronic media and film as a segment of mass culture. Focus on selected television content and selected critics. Three hours of lecture per week. Pre-requisites: RTF 130 and RTF 131.
- RTF 335** **Writing for Electronic Media and Film** **(3)**
Development of skills and practice in the art of script writing for broadcast, film, and multimedia. Writing and evaluation of many short scripts required. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 135.

- 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** **Studies in Film History** **(3)**
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.
- RTF 380** **Producing** **(3)**
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.
- RTF 381** **Broadcast Responsibilities** **(3)**
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.
- RTF 382** **Film and Video Lighting** **(4)**
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.
- RTF 430** **Independent Study** **(3)**
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.
- RTF 435** **Advanced Writing for Electronic Media and Film** **(3)**
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.
- RTF 438** **Media and Society** **(3)**
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.
- RTF 452** **Documentary Production** **(4)**
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.

- RTF 453** **Digital Film Production II** **(4)**
 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.
- RTF 460** **Advanced Voice Training** **(4)**
 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.
- 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 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
<u>Communication:</u>		CM 110 (1)	Elective courses (3)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<u>Mathematics:</u>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<u>Life and physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
<u>Language, philosophy, and culture:</u>		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
<u>Creative arts:</u>		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)		
<u>American history:</u>		RTF 438 (3)		
HIST 231 (3)	HIST 1301	RTF 499 (4)		
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>		plus		
POLS 235 (3)	GOVT 2305	12 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
<u>Social and behavioral sciences:</u>		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		
<u>Institutional Options:</u>				
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	ENG 132
Math 133 College Algebra		3	ART 135 or ART 137 or THC 130 or MUSI 131	3
BIOL 143		3	GEOL 141	3
CM 110 Speech Proficiency Lab.		1	PSY 131 or SOC 157 or SOC 158	3
SC 135 or SC 136		3	ART 139 or CS 116	3
CM 130 Intro to Communication Studies		3		
	16hrs		15hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or 244		3	RTF 131 Intro to Media Aesthetics	3
RTF 130 Intro to Media Studies		3	RTF 135 Intro to Photography	4
CM 200 Intro to Media Research		3	CM 330 Professional & Dev. Ethics	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 & Film		3		
RTF 344 Media Management & Marketing		3		
		12hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 Internship	3	Minor
Minor		3		
Minor		3		
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
<u>Communication:</u>		CM 110 (1)	Elective courses (3)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<u>Mathematics:</u>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<u>Life and physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
<u>Language, philosophy, and culture:</u>		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
<u>Creative arts:</u>		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)		
<u>American history:</u>		RTF 438 (3)		
HIST 231 (3)	HIST 1301	RTF 499 (4)		
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>		plus		
POLS 235 (3)	GOVT 2305	33 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
<u>Social and behavioral sciences:</u>		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		
<u>Institutional Options:</u>				
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 SEMESTER		SECOND SEMESTER	
First Year	ENG 131	3	ENG 132	3	
	MATH 133 College Algebra	3	ART 135 or ART 137 or THC 130 or MUSI 131	3	
	BIOL 143	3	GEOL 141	3	
	CM 110 Speech Proficiency Lab	1	PSY 131 or SOC 157 or SOC 158	3	
	SC 135 or 136	3	ART 139 or CS 116	3	
	CM 130 Intro to Communication Studies	3			
		16hrs		15hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235	3	POLS 236	3	
	HIST 231	3	HIST 232	3	
	ENG 230 or ENG 231 or ENG 235 or 244	3	RTF 131 Intro to Media Aesthetics	3	
	RTF 130 Intro to Media Studies	3	RTF 135 Intro to Photography	4	
	CM 200 Intro to Media Research	3	CM 330 Professional Dev. & Ethics	3	
		15hrs		16hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	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 & Film	3			
	RTF 344 Media Management & Marketing	3			
		12hrs		15hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CM 430 Internship	3	Approved Upper-Level RTF Electives	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
<u>Communication:</u>		CM 110 (1)	Elective	Choose one from the following areas: MUSIC BUSINESS ADMINISTRATION ACCOUNTING FINANCE HUMAN PERFORMANCE RADIO, TELEVISION & FILM SOCIAL SCIENCES or Approved minor by the academic advisor or Transfer of up to 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
ENG 131 (3) **	ENGL 1301	CM 130 (3)		
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<u>Mathematics:</u>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<u>Life and physical sciences:</u>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308			
GEOL 141 (3)	GEOL 1303	ERM 130 (3)		
<u>Language, philosophy, and culture:</u>		ERM 205 (3)		
ENG 2xx (3) ***		ERM 210 (4)		
<u>Creative arts:</u>		ERM 305 (3)		
MUSI 239 (3)	HUMA 1315	ERM 310 (3)		
<u>American history:</u>		ERM 320 (3)		
HIST 231 (3)	HIST 1301	ERM 330 (3)		
HIST 232 (3)	HIST 1302	ERM 410 (4)		
<u>Government/political science:</u>		ERM 420 (3)		
POLS 235 (3)	GOVT 2305	ERM 450 (3)		
POLS 236 (3)	GOVT 2306	ERM 499 (4)		
<u>Social and behavioral sciences:</u>				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
<u>Institutional Options:</u>				
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	3	ENG 132
MATH 133 College Algebra		3	GEOL 141	3
BIOL 143		3	PSY 131 or SOC 157 or SOC 158	3
CM 110 Speech Proficiency		1	CM 130 Intro to Communication Studies	3
SC 135 or SC 136		3	ERM 130 Intro to the Recording Industry	3
ART 139 or CS 116		3		
		16hrs		15hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231		3	HIST 232	3
ENG 230 OR ENG 231 OR ENG 235 OR ENG 244		3	ERM 205 Intro to Entertainment Business & Finance	3
CM 200 Intro to Media Research		3	CM 332 Computers in Communication	3
MUSI 239 Fine Arts in Daily Living		3	Elective	3
		15hrs		15hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ERM 210 Intro to Entertainment Prod. Tools.	4	ERM 320 Artist Management
ERM 305 Ethnic Entertainment		3	CM 430 Internship	3
CM 330 Professional Dev. & Ethics		3	ERM 330 Business Dev. & Portfolio	3
ERM 310 Publishing & Media Policy		3	Minor	3
Minor		3	Minor	3
		16hrs		15hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ERM 41 Advanced Ent.. Prod. Tech.	4	Minor
ERM 420 Merchandizing & Branding		3	Minor	3
Minor		3	ERM 450 Entertainment Management	3
Minor		3	ERM 499 Master Projects	4
Elective		2		
		15hrs		13hrs



COLLEGE OF EDUCATION

COLLEGE OF EDUCATION

The College of Education consists of four instructional departments: Counseling, Curriculum and Instruction, Educational Administration and Foundations 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 Studies, the Bachelor of Science (B.S.) in Kinesiology, and the Bachelor Science (B.S.) in Sport Management. 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 candidates to become effective professionals who will be caring, competent, committed, and culturally responsive, with a focus on the preparation of educators for urban school settings.

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 "B" 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)

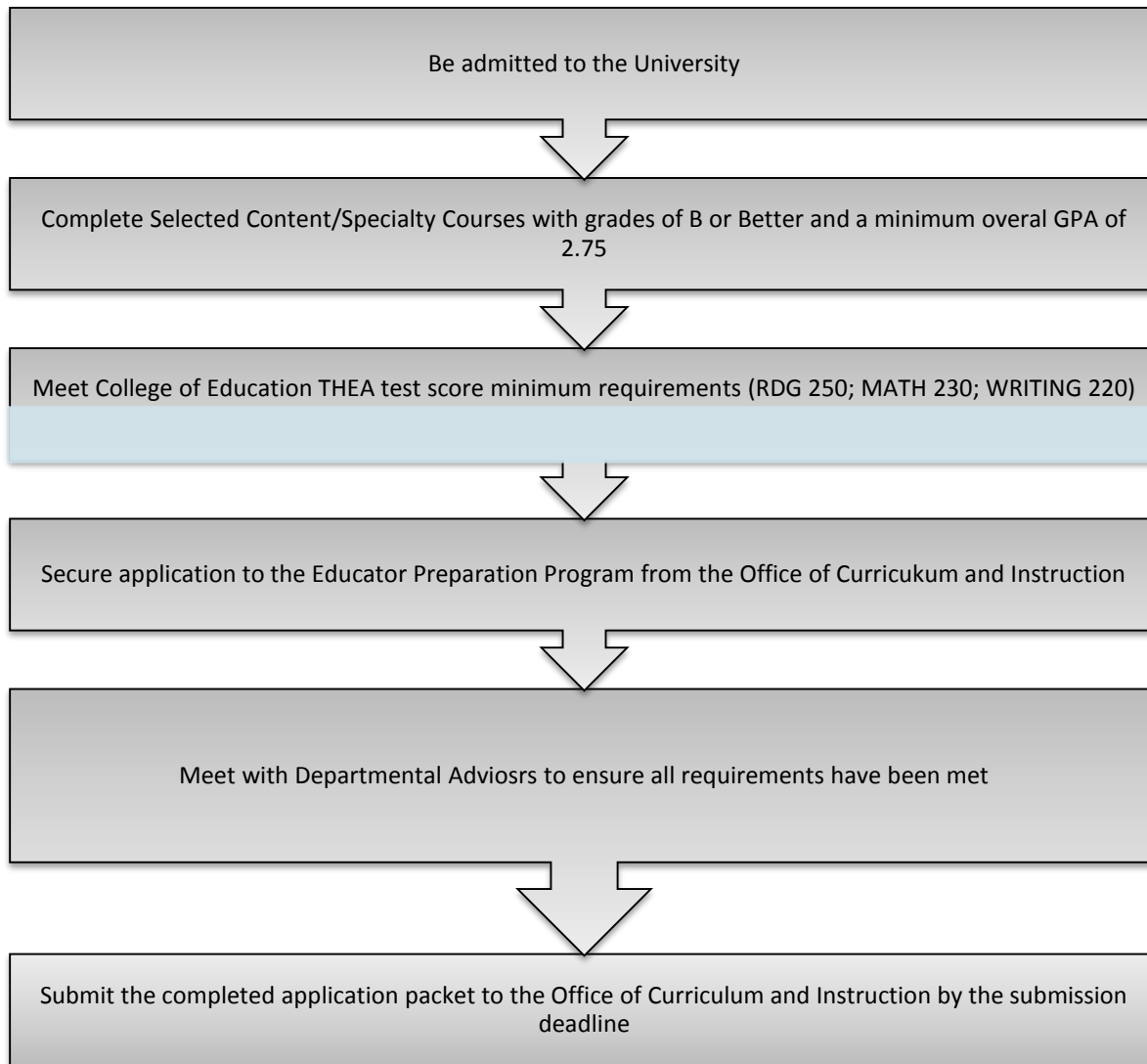
The application for the Educator Preparation Program must be completed and submitted with a current Texas Southern University transcript, a degree plan signed by the applicant's advisor, and THEA scores at least at the minimum passing standard required by the College of Education. Please forward application 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 content Exam in their area of study and/or endorsement, as well as the TExES pedagogy and professional responsibilities 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. The approval form is then submitted to the Certification Officer for recommendation.
- 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 Curriculum and Instruction Department. 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 TExES Content and PPR Exams. 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 certification options are available:

Approved Certificate Areas for Texas Southern University
Art (Grades EC-12)
Bilingual Education Supplemental-Spanish (Grades NA)
Bilingual Generalist-Spanish (Grades 4-8)
Bilingual Generalist-Spanish (Grades EC-6)
Chemistry (Grades 7-12)
Core Subjects (Grades EC-6)
Driver Education (Grades 6-12)
English Language Arts and Reading (Grades 4-8)
English Language Arts and Reading (Grades 7-12)
English Language Arts and Reading/Social Studies (Grades 4-8)
English as a Second Language Supplemental (Grades NA)
Family and Consumer Sciences (Grades 6-12)
Generalist (Grades EC-6)
Health (Grades EC-12)
Human Development and Family Studies (Grades 8-12)
Life Science (Grades 7-12)
Mathematics (Grades 4-8)
Mathematics (Grades 7-12)
Mathematics/Science (Grades 4-8)
Music (Grades EC-12)
Physical Education (Grades EC-12)
Physics/Mathematics (Grades 8-12)
Principal (Grades EC-12)
Reading Specialist (Grades EC-12)
School Counselor (Grades EC-12)
Science (Grades 4-8)
Social Studies (Grades 4-8)
Special Education (Grades EC-12)
Superintendent (Grades EC-12)
Theatre (Grades EC-12)

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.
- 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: Core Subjects EC-6 Generalist, Core Subjects 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 Curriculum and Instruction,
- (4) meet with departmental advisors to ensure all requirements have been met for admission to the EPP, complete all forms in the application packet, and
- (5) submit the completed application packet to the Office of Curriculum and Instruction 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 semester. 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.

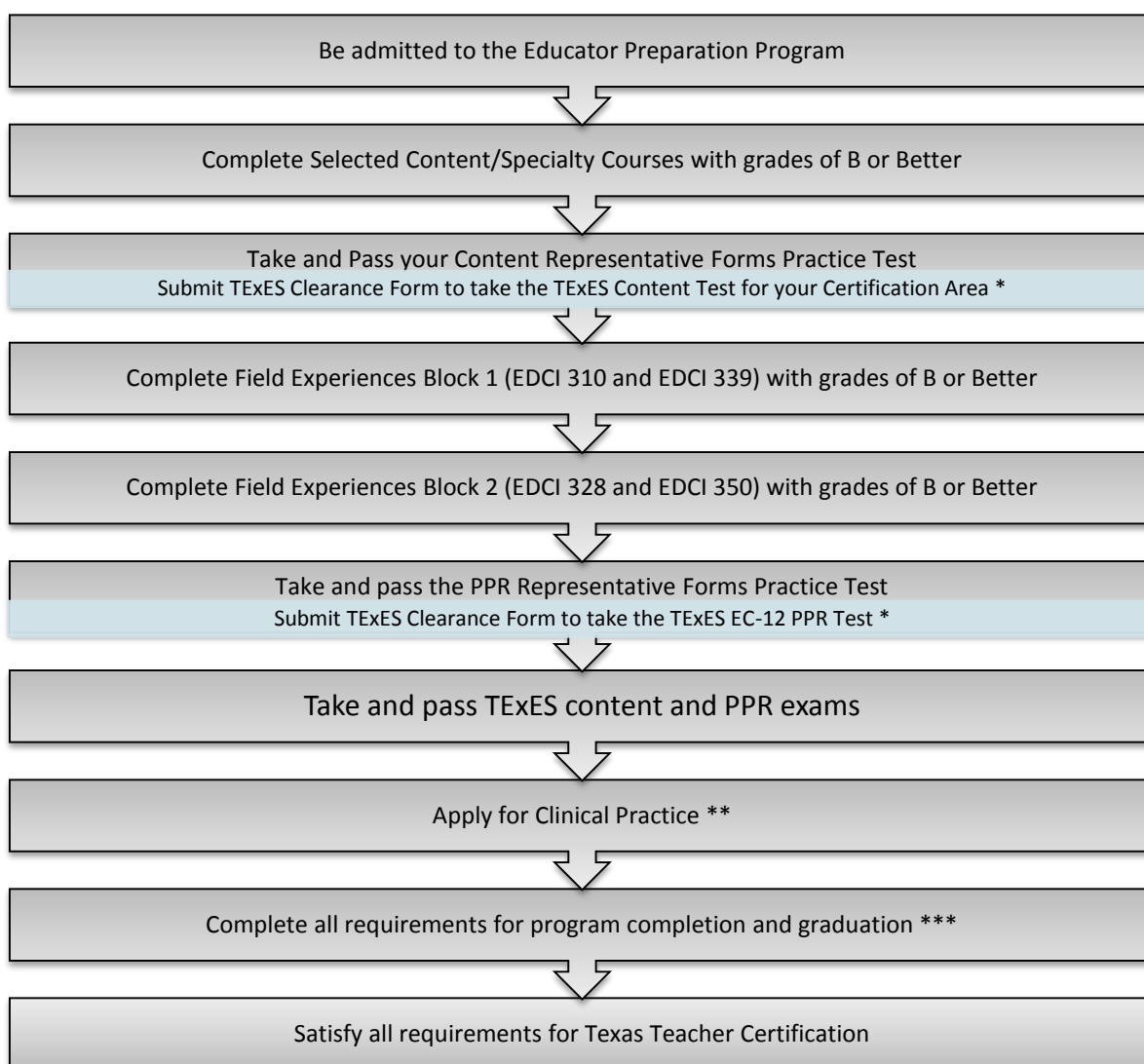
In summary, students must gain admission to the University, meet University and state testing requirements, petition for admission, and qualify for the Educator Preparation Program. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information 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 Content/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) examinations.
- 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 the TExES exam (Content or PPR) after successfully passing the appropriate TExES Representative Forms Practice Tests (administered by the 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



*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 Examinations.

** Candidates cannot enroll in Clinical Practice until the Content and the EC-12 PPR TExES exams have both been passed.

***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>Grant, Viveca A. Assistant Professor/ EPP Admission Coordinator B.A., Sam Houston State University M.Ed., Texas Southern University Ed.D., Texas Southern University</p>	<p>Smith, Jacqueline Assistant Professor B.S., Sam Houston State University M.S., Chicago State University Ed.D., University of Houston</p>
<p>Adams, Amber Visiting Professor B.S., M.Ed., Texas Southern University</p>	<p>Song, Holim Associate Professor B.A., Kyunghee University M.A., Ed.D., University of Houston</p>
<p>Garrett, Natalie Visiting Professor B.S., M.Ed., University of Tennessee State University</p>	<p>Davis, Delilah Ann Assistant Professor/Director of Clinical Practice and Field Experiences B.S., University of Tennessee at Martin M.Ed., Ed.D. University of Memphis</p>
<p>Buford, Brandie Assistant Professor B.S., M.Ed., Prairie View A &M University Ed.D., Sam Houston State University</p>	

CURRICULUM AND INSTRUCTION COURSES

EDCI 210	Instructional Technology I (3) Provides practice using computers for instruction, evaluation, and management. Analyzes the tenets of professional conduct, ethics, roles, and responsibilities for teaching with computer technology. Three hours of computer use and lecture per week.
EDCI 310	Field Based I- Performance Focused Teaching (3) Analyzes the ethical and legal aspects of teaching, including the structure, organization, and management of the Texas educational system. (Must be taken concurrently with EDCI 339, after admission to the Educator Preparation Program). Three hours of lecture per week.
EDCI 328	Field Based II- Performance Focused Teaching (3) Analyzes human development and behavior that influences learning. Attention is also given to motivational styles, learning styles, and ethnic identity development in multicultural classrooms. Three hours of lecture per week. (Must be taken concurrently with EDCI 350, after admission to the Educator Preparation Program). Prerequisites: EDCI 310 and EDCI 339.
EDCI 329	Content Focused Teaching in Social Studies (3) Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NCSS social studies standards. Three hours of lecture per week.
EDCI 330	Content Focused Teaching in Mathematics (3) Teaching and learning with an emphasis in content-integrated curriculum and school-based inquiry in mathematics. Three hours of lecture per week.
EDCI 339	Classroom Management (3) Provides a foundation in comprehensive classroom management with a special emphasis on creating a positive, productive classroom environment. Attention will be given to research-based management techniques and problem solving for unproductive student behaviors. (Must be taken concurrently with EDCI 310, after admission to the Educator Preparation Program). Three hours of lecture per week.
EDCI 340	Instructional Technology II (3) Emphasizes research, planning, development, implementation, and evaluation of teaching and learning materials for specific purposes. Requires planning for higher order thinking and information processing. Three hours of computer use and lecture per week. Prerequisite: EDCI 210.
EDCI 346	Introduction to Educational Psychology (3) Develops historical, philosophical, psychological, and social foundations of early childhood education. Cognitive, physical, social, and emotional developmental theories emphasized. Three hours of lecture per week.
EDCI 347	Adolescent Development Theories (3) Analyzes developmentally appropriate human processes, from birth through age 16, with respect to adolescent adjustment to school and society. Three hours of lecture per week.

EDCI 350	Designing and Implementing Instruction and Assessment	(3)
	Focuses on the study of instructional methods that emphasize practical application to the teaching/learning process. Some of these strategies include planning, resource selection, evaluation and communication. (Must be taken concurrently with EDCI 328, after admission to the Educator Preparation Program). Three hours of lecture per week. Prerequisites: EDCI 310 and EDCI 339.	
EDCI 402	Content Focused Teaching in Science	(3)
	Teaching and learning with an emphasis in content-integrated curriculum and school-based inquiry in science. Three hours of lecture per week.	
EDCI 404	Certification Seminar	(3)
	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.	
EDCI 410	Individual Projects	(3)
	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.	
EDCI 431	Linguistics	(3)
	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.	
EDCI 432	Language Acquisition	(3)
	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.	
EDCI 433	Early Childhood Curriculum	(3)
	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.	
EDCI 434	Creative Arts and Movement	(3)
	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.	
EDCI 435	Language Development and Literacy in Early Childhood	(3)
	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.	
EDCI 436	Developing English Language Skills	(3)
	Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.	
EDCI 450	Directed Student Teaching in Grades 4-8	(6)
	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.	

EDCI 455	Curriculum Development in Bilingual Education	(3)
	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.	
EDCI 456	Developing Spanish Language Skills I	(3)
	Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.	
EDCI 457	Developing Spanish Language Skills II	(3)
	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.	
EDCI 458	Seminar in Teaching	(3)
	Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.	
EDCI 460	Foundations of Bilingual Education	(3)
	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.	
EDCI 463	Directed Student Teaching in Special Education	(6)
	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.	
EDCI 464	Directed Student Teaching in High School	(6)
	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.	
EDCI 466	Directed Student Teaching in Bilingual Classrooms	(6)
	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.	
EDCI 468	Directed Student Teaching - All Levels	(6)
	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.	
EDCI 478	Family and Community Relationships in Early Childhood	(3)
	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.	
EDCI 479	Management in Early Childhood Environment	(3)
	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.	

EDCI 491 **Direct Student Teaching EC-6** **(6)**
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.

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
4-8 Social Studies Concentration
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Social Studies)	OTHER REQUIREMENTS
42 credits	TCCNS	66 credits	12 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	SPED 309 (3)
ENG 132 (3)	ENGL 1302	HIST 246 (3)	EDCI 340 (3)
<u>Mathematics:</u>		HIST 371 (3)	HIST 281 (3)
MATH 133 (3)	MATH 1314	HIST 342 (3)	GEOG 132 (3)
<u>Life and physical sciences:</u>		HIST 321 (3)	
BIOL 143 (3)	BIOL 1308	HIST 344 (3)	
GEOL 141 (3)	GEOL 1303	RDG 400 (3)	
<u>Language, philosophy, and culture:</u>		RDG 401 (3)	
ENG 230 (3)	ENG 2332	GEOG 330 (3)	
<u>Creative arts:</u>		GEOG 331 (3)	
MUSIC 239 (3)	HUMA 1315	SOC 355 (3)	
<u>American history:</u>			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 246 (3)	
		EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
<u>Institutional Options:</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 329 (3)	
EDCI 210 (3)	COSC 1301	EDCI 437 (3)	
HED 233 (2)			
PE 1Any course (1)			

* 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
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POL SCI 235 American Polit. System I	3	HIST 321 African American History to 1865	3
	HIST 281 Intro to African American Studies	3	POL SCI 236 American Polit. System II	3
	EDCI 346 Introduction to Educational Psychology	3	GEOG 330 Introduction Cartography	3
	EDCI 340 Instructional Technology II	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 246 History & Theories of Child Devel	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	GEOG 331 Geography of Texas	3	SOC 335 Ethnic Groups in Society	3
	HIST 371 Texas History	3	EDCI 437 Effective Communication	3
	EDCI 404 Certification Seminar	3	HIST 246 Introduction to Women's Studies	3
			HIST 344 Constitutional History of the US	3
		15 hrs		18 hrs
Transition 2:				
Before the end of <u>Fifth Semester</u>, 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 <u>Sixth Semester</u> 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 350 Designing and Implementing Instruction & Assessment	3	EDCI 458 Seminar in Teaching	3
	HIST 342 History of Mexico	3		
	RDG 400 Content Reading	3		
	RDG 401 Rdg. For Div. Populations	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/Reading/Social Studies)	OTHER REQUIREMENTS
42 credits	TCCNS	66 credits	12 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	SPED 309 (3)
ENG 132 (3)	ENGL 1302	ENG 439 (3)	EDCI 340 (3)
<u>Mathematics:</u>		RDG 301 (3)	HIST 281 (3)
MATH 133 (3)	MATH 1314	RDG 302 (3)	Any Elective (3 hours)
<u>Life and physical sciences:</u>		RDG 401 (3)	
BIOL 143 (3)	BIOL 1308	RDG 402 (3)	
GEOL 141 (3)	GEOL 1303	RDG 400 (3)	
<u>Language, philosophy, and culture:</u>		ENG 351 (3)	
ENG 230 (3)	ENG 2332	GEOG 330 (3)	
<u>Creative arts:</u>		GEOG 331 (3)	
MUSIC 239 (3)	HUMA 1315	HIST 371 (3)	
<u>American history:</u>		EDCI 405 (3)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
<u>Institutional Options: (6 Hours)</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 437 (3)	
EDCI 210 (3)	COSC 1301		
HED 233 (2)			
PE 1Any course (1)			

* 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
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	HIST 371 Texas History	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 American Polit. System II	3
	HIST 281 Intro to African American Studies	3	RDG 302 Science of Teaching Reading	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	ENG 351 Grammar Review Workshop	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
	RDG 400 Content Area Reading	3	GEOG 331 Geography of Texas	3
	EDCI 405 Integrated Lang Arts/Soc Stud	3	EDCI 437 Effective Classroom Communication	3
	EDCI 404 Certification Seminar	3	RDG 401 Reading for Diverse Populations	3
	ENG 439 The Teaching of English	3		
		18 hrs		15 hrs
Transition 2: <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><i>Before the end of Fifth Semester, candidate should:</i> 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)</p> </div> <div style="width: 48%;"> <p><i>Before the end of Sixth Semester candidate should:</i> 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.</p> </div> </div>				

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		
	Any Elective (3 hours)	3		
	GEOG 330 Introduction to Cartography	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: _____

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**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 and Reading)	OTHER REQUIREMENTS
42 credits	TCCNS	72 credits	6 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	
ENG 132 (3)	ENGL 1302	ENG 439 (3)	
<u>Mathematics:</u>		RDG 301 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	RDG 302 (3)	EDCI 340 (3)
<u>Life and physical sciences:</u>		RDG 401 (3)	
BIOL 143 (3)	BIOL 1308	RDG 402 (3)	
GEOL 141 (3)	GEOL 1303	RDG 406 (3)	
<u>Language, philosophy, and culture:</u>		RDG 400 (3)	
ENG 230 (3)	ENG 2332 (3)	ENG 351 (3)	
<u>Creative arts:</u>		SPED 370 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 437 (3)	
<u>American history:</u>		ENGL 244 (3)	
		RDG 404 (3)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
<u>Institutional Options: (6 Hours)</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 456 (3)	
EDCI 210 (3)	COSC 1301	EDCI 457 (3)	
HED 233 (2)		EDCI 435 (3)	
HED 233 (2)			

* 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 CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	POL SCI 236 American Polit. System II	3
	POL SCI 235 American Polit. System I	3	RDG 302 Science of Teaching Reading	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 370 Survey of Exceptional Edu. II	3
	EDCI 340 Instructional Technology II	3	ENG 351 Grammar Review Workshop	3
	SPED 309 Survey of Exceptional Educ. I	3	ENGL 244 African American Literacy	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
	RDG 400 Content Area Reading	3	EDCI 339 Classroom Management	3
	RDG 401 Reading for Diverse Populations	3	EDCI 437 Effective Classroom Communication	3
	EDCI 404 Certification Seminar	3	RDG 402 Informal Diagnosis	3
	ENG 439 The Teaching of English	3	EDCI 456 Dev Span Skills I	3
			ECDCI 435 Language Dev. and Literacy	3
		15 hrs		18 hrs
Transition 2:				
Before the end of <u>Fifth Semester</u>, 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 <u>Sixth Semester</u> 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
	EDCI 457 Dev Span Skills II	3		
	RDG 406 Reading Appreciation	3		
	RDG 404 Reading Study/Skills	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 Mathematics/Science Concentration
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Mathematics Concentration)	OTHER REQUIREMENTS
42 credits	TCCNS	63 credits	15 credits
<u>Communication:</u>		Relative to Concentration	GEOG 132 (3)
ENG 131 (3) **	ENGL 1301	MATH 250 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	MATH 236 (3)
<u>Mathematics:</u>		MATH 241 (4)	EDCI 340 (3)
MATH 133 (3)	MATH 1314	EDCI 404 (3)	SPED 370 (3)
<u>Life and physical sciences:</u>		RDG 401 (3)	
BIOL 143 (3)	BIOL 1308	BIOL 347 (4)	
GEOL 141 (3)	GEOL 1303	PHY 238 (4)	
<u>Language, philosophy, and culture:</u>		BIOL 343 (4)	
ENG 230 (3)	ENG 2332	PHY 237 (4)	
<u>Creative arts:</u>			
MUSIC 239 (3)	HUMA 1315		
<u>American history:</u>			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 402 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
<u>Institutional Options: (6 Hours)</u>		EDCI 330 (3)	
SC 135 (3)	SPCH 1321	EDCI 458 (3)	
EDCI 210 (3)	COSC 1301		
HED 233 (2)			
PE 1Any course (1)			

* 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: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	PE (Any Course)	1	HED 233 Principles of Health	2
		16 hrs		17hrs
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
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 370 Survey of Exceptional Educ. II	3
	MATH 250 Linear Algebra	3	PHYS 237 College Physics I (Must take with lab)	4
		15 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	
	EDCI 430 Integrated SCI, Math & Health	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 437 Effective Classroom Communication	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		17hrs
	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		
	EDCI 340 Instructional Technology II	3		
		16 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: _____

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**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	63 credits	15 credits
<u>Communication:</u>		Relative to Concentration	GEOG 132 (3)
ENG 131 (3) **	ENGL 1301	MATH 250 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	MATH 236 (3)
<u>Mathematics:</u>		MATH 241 (4)	SPED 370(3)
MATH 133 (3)	MATH 1314	MATH 242 (4)	EDCI 340 (3)
<u>Life and physical sciences:</u>		MATH 331 (3)	
BIOL 143 (3)	BIOL 1308	MATH 473 (3)	
GEOL 141 (3)	GEOL 1303	EDCI 404 (3)	
<u>Language, philosophy, and culture:</u>		RDG 401 (3)	
ENG 230 (3)	EDCI 456 (3)	RDG 302 (3)	
<u>Creative arts:</u>		MATH 347 (3)	
MUSIC 239 (3)	HUMA 1315	MATH 431 (3)	
<u>American history:</u>		MATH 437 (3)	
		PHYS 237 (4)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 450 (6)	
PSY 131 (3)	PSYC 2301	EDCI 330 (3)	
<u>Institutional Options:</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321		
EDCI 210 (3)	COSC 1301		
HED 233 (2)			
PE 1Any course (1)			

* 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
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	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
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
	EDCI 346 Introduction to Educational Psychology	3	MATH 241 Calculus & Analy. Geom. I	4
	MATH 250 Linear Algebra	3	PHYS 237 College Physics (Must Take with Lab) Or Any approved Course by Department	4
		15 hrs		17 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 242 Calculus & Geometry II	4	RDG 401 Rdg. For Div. Population	3
	MATH 437 A Survey of Mathematics Ideas	3	EDCI 437 Effective Classroom Communication	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	SPED 370 Survey of Exceptional Educ. II	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
	MATH 431 Use of Computers in Mathematics	3		
	MATH 473 Probability and Statistics I	3		
	EDCI 340 Instructional Technology II	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- CORE
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Generalist)	OTHER REQUIREMENTS
42 credits	TCCNS	63credits	12 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 433 (3)	MATH 236 (3)
<u>Mathematics:</u>		EDCI 434 (3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	KIN 432 (3)	EDCI 340 (3)
<u>Life and physical sciences:</u>		EDCI 402 (3)	
BIOL 143 (3)	BIOL 1308	RDG 401 (3)	
GEOL 141 (3)	GEOL 1303	RDG 301 (3)	
<u>Language, philosophy, and culture:</u>		RDG 302 (3)	
ENG 230 (3)	ENGI 2332 (3)	EDCI 330 (3)	
<u>Creative arts:</u>		EDCI 246 (3)	
MUSIC 239 (3)	HUMA 1315		
<u>American history:</u>		Professional Development	
HIST 231 (3)	HIST 1301	EDCI 310 (3)	
HIST 232 (3)	HIST 1302	EDCI 328 (3)	
<u>Government/political science:</u>		EDCI 339 (3)	
POLS 235 (3)	GOVT 2305	EDCI 350 (3)	
POLS 236 (3)	GOVT 2306	EDCI 404 (3)	
<u>Social and behavioral sciences:</u>		EDCI 437 (3)	
PSY 131 (3)	PSYC 2301	EDCI 491 (6)	
<u>Institutional Options:</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 329 (3)	
EDCI 210 (3)	COSC 1301	EDCI 456 (3)	
HED 233 (2)		EDCI457 (3)	
PE 1Any course (1)			

* 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-CORE
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	POL SCI 236 American Polit. System II	3
	POL SCI 235 American Polit. System I	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	EDCI 246 Hist & Theories of Child Devel	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 437 Effective Classroom Communication	3		
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 434 Creativity and Movement	3		
	EDCI 404 Certification Seminar	3	EDCI 456 Dev Span Skills I	3		
	KIN 432 Rhythm and games for Elem. Teachers	3				
		18 hrs		15hrs		
Transition 2: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> Before the end of <u>Fifth Semester</u>, 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 </td> <td style="width: 50%; border: none; vertical-align: top;"> Before the end of <u>Sixth Semester</u> 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. </td> </tr> </table>					Before the end of <u>Fifth Semester</u>, 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 <u>Sixth Semester</u> 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.
Before the end of <u>Fifth Semester</u>, 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 <u>Sixth Semester</u> 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 Instructional Strategies	3	EDCI 491 Direct. Stud. Teaching, EC-6	6
	RDG 401 Rdg. For Div. Populations	3		
	EDCI 433 Early Childhood Curriculum	3		
	EDCI 457 Dev Span Skills II	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 BILINGUAL GENERALIST CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Bilingual Generalist)	OTHER REQUIREMENTS
42 credits	TCCNS	60 credits	18 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 431 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 432 (3)	MATH 236 (3)
<u>Mathematics:</u>		EDCI 346(3)	SPED 309 (3)
MATH 133 (3)	MATH 1314	EDCI 460 (3)	EDCI 340 (3)
<u>Life and physical sciences:</u>		EDCI 329 (3)	HIST 281 (3)
BIOL 143 (3)	BIOL 1308	EDCI 402(3)	GEOG 132 (3)
GEOL 141 (3)	GEOL 1303	EDCI 457 (3)	
<u>Language, philosophy, and culture:</u>		EDCI 330 (3)	
ENG 230 (3)	EDCI 456 (3)	RDG 301 (3)	
<u>Creative arts:</u>		RDG 302 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 246 (3)	
<u>American history:</u>		KIN 432 (3)	
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 458 (3)	
<u>Institutional Options: (6 Hours)</u>		EDCI 466 (6)	
SC 135(3)	SPCH 1321	EDCI 437 (3)	
EDCI 210 (3)	COSC 1301		
HED 233 (2)			
PE 1Any course (1)			

* 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 CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	POL SCI 236 American Polit. System II	3
	POL SCI 235 American Polit. System I	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	EDCI 246 Hist & Theories of Child Devel	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 460 Foundations of Bilingual Ed.	3
	EDCI 404 Certification Seminar	3	EDCI 437 Effective Classroom Communication	3
	KIN 432 Rhythm and games for Elem. Teachers	3		
		18 hrs		15 hrs
Transition 2: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> 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 </div> <div style="width: 45%;"> 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. </div> </div>				

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		
	RDG 401 Reading for Div. Population	3		
	EDCI 433 Early Childhood Curriculum	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
SCIENCE 4-8 CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (Science 4-8 Concentration)	OTHER REQUIREMENTS
42 credits	TCCNS	67 credits	11 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 246 (3)	EDCI 340 (3)
ENG 132 (3)	ENGL 1302	BIOL 131 (4)	SPED 309 (3)
<u>Mathematics:</u>		BIOL 132 (4)	SPED 370 (3)
MATH 133 (3)	MATH 1314	BIOL 343(4)	Any 2 hr electives
<u>Life and physical sciences:</u>		BIOL 347 (4)	
BIOL 143 (3)	BIOL 1308	CHEM 111 (1)	
GEOL 141 (3)	GEOL 1303	CHEM 131 (3)	
<u>Language, philosophy, and culture:</u>		CHEM 132 (4)	
ENG 230 (3)	ENG 2332	RDG 401 (3)	
<u>Creative arts:</u>		EDCI 346 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 437 (3)	
		PHYS 238 (4)	
<u>American history:</u>			
HIST 231 (3)	HIST 1301	Professional Development	
HIST 232 (3)	HIST 1302	EDCI 310 (3)	
<u>Government/political science:</u>		EDCI 328 (3)	
POLS 235 (3)	GOVT 2305	EDCI 339 (3)	
POLS 236 (3)	GOVT 2306	EDCI 350 (3)	
<u>Social and behavioral sciences:</u>		EDCI 404 (3)	
PSY 131 (3)	PSYC 2301	EDCI 450 (6)	
<u>Institutional Options: (6 Hours)</u>		EDCI 458 (3)	
SC 135 (3)	SPCH 1321	EDCI 402 (3)	
EDCI 210 (3)	COSC 1301		
HED 233 (2) PE 1 Any Course (1)			

* 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 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
SCIENCE 4-8 CONCENTRATION
DEGREE PLAN - TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	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	
	ENG 230 World Literature I	3	POL SCI 236 American Polit. System II	3
	SPED 309 Survey of Exceptional Educ. I	3	EDCI 246 Hist & Theories of Child Devel	3
	POLSCI 235 Political Science	3	CHEM 131 Gen. Chemistry I	3
	EDCI 346 Introduction to Educational Psychology	3	CHEM 111 Gen. Chemistry Lab	1
	BIOL 131 (Must Take Lab)	4	BIOL 132 (Must Take Lab)	4
		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	
	PHYS 238 College Physics II (Must Take Lab)	4	EDCI 310 Field Based I- Performance Focused Teaching.	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 339 Classroom Management	3
	EDCI 404 Certification Seminar	3	SPED 370 Survey of Exceptional Educ. II	3
	CHEM 132 Gen. Chemistry II (Must take lab)	4	EDCI 437 Effective Communication	3
	RDG 401 Rdg. For Div. Populations	3	BIOL 343 Ecology (Must Take Lab)	4
		17 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
	BIOL 347 Microbiology	4		
	EDCI 340 Instructional Technology II	3		
	Any 2 hr electives	1		
		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
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	69 credits	9 credits
<u>Communication:</u>		Relative to Concentration	
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	MATH 235 (3)
ENG 132 (3)	ENGL 1302	EDCI 457 (3)	MATH 236 (3)
<u>Mathematics:</u>		SPED 309 (3)	EDCI 340 (3)
MATH 133 (3)	MATH 1314	SPED 402 (3)	
<u>Life and physical sciences:</u>		SPED 404 (3)	
BIOL 143 (3)	BIOL 1308	SPED 405 (3)	
GEOL 141 (3)	GEOL 1303	SPED 406 (3)	
<u>Language, philosophy, and culture:</u>		RDG 301 (3)	
ENG 230 (3)	ENG 2332	RDG 302 (3)	
<u>Creative arts:</u>		RDG 401 (3)	
MUSIC 239 (3)	HUMA 1315	EDCI 402 (3)	
<u>American history:</u>		EDCI 330 (3)	
HIST 231 (3)	HIST 1301	EDCI 437 (3)	
HIST 232 (3)	HIST 1302	Professional Development	
<u>Government/political science:</u>		EDCI 310 (3)	
POLS 235 (3)	GOVT 2305	EDCI 328 (3)	
POLS 236 (3)	GOVT 2306	EDCI 339 (3)	
<u>Social and behavioral sciences:</u>		EDCI 350 (3)	
PSY 131 (3)	PSYC 2301	EDCI 404 (3)	
<u>Institutional Options: (6 Hours)</u>		EDCI 463 (6)	
SC 135 (3)	SPCH 1321	EDCI 458 (3)	
EDCI 210 (3)	COSC 1301	EDCI 329 (3)	
HED 233 (2)		EDCI 456 (3)	
PE 1Any course (1)			

* 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
FOUR YEAR DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	GEOL 141 Geology	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	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	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
		15 hrs		15hrs
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	POL SCI 236 American Polit. System II	3
	POL SCI 235 American Polit. System I	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	EDCI 346 Introduction to Educational Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	HED 233 Principles of Health	2
		15 hrs	PE (Any Course)	1
Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.				15 hrs

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 for Children w/ Disabilities	3	EDCI 339 Classroom Management	3
	SPED 404 Managing Behaviors of Children w/Disabilities	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
	SPED 402 Assess Practices for Children w/ Disabilities	3	*EDCI 329 Content Focused Teaching in Social Studies	3
	EDCI 404 Certification Seminar	3	EDCI 456 Dev Span Skills I	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 437 Effective Classroom Communication	3		
EDCI 457 Dev Span Skills II	3			

	15 hrs	9 hrs
Transition 3:		
<p><i>Before the end of the Seventh Semester, the candidate should:</i> 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).</p>		

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), Kinesiology (KIN), Recreation & Leisure Studies (REC), 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 Kinesiology, 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 Kinesiology, 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 Texas Teacher Certification for the state of Texas either in Health Studies or Kinesiology 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 Kinesiology 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 Kinesiology and five concentrations for the B.S. in Sport Management. Completion of the B.S. in Health Studies – EC-12 (Option I, Concentration I), the B.S. in Kinesiology – All Levels Teaching (Option II, Concentration I), and B.S. in Kinesiology/Athletic Training – All Levels Teaching (Option II, Concentration II), require 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 (Option I, Concentration II), the B.S. in Kinesiology/Athletic Training – non-teaching (Option II, Concentration III) and the B.S. in Kinesiology/Recreation & Leisure Studies – non-teaching (Option II, Concentration IV), requires an internship. Both Athletic Training options, concentrations II and III also require a mandatory 1800 hour externship working under a certified/licensed athletic trainer. Completion of the B.S. in Sport Management/Business (Option III, Concentration I), B.S. in Sport Management/Health (Option III, Concentration II), B.S. in Sport Management/Kinesiology (Option III, Concentration III), B.S. in Sport Management/Journalism (Option III, Concentration IV), and B.S. in Sport Management/Radio, Television, Film (Option III, Concentration V) require an internship.

Requirements for the B.S. in Health Studies, B.S. in Kinesiology, B.S. in Sport Management and the four minors (Health Studies, Kinesiology, 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, they 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, Kinesiology 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 enter the program.** Courses designated as major courses must be completed with grades of “B” 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 Kinesiology, 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: **REC 234 (3 credits), REC 332 (3 credit), REC 332 (3 credit), REC 335 (3 credits), REC 373 (3 credits), and REC 379 (3 credits)** as well as **REC 434 (3 credits) or REC 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), SMPT 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 Kinesiology 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 Kinesiology, 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 KIN 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 Physical Education (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 Kinesiology, 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>Asare, Nana Assistant Professor B.S., Texas Southern University M.S., Columbia University M.B.A., Long Island University J.D., Texas Southern University</p>	<p>Harper, De Leon Visiting Instructor B.S., M.S., Texas Southern University</p>
<p>Cavil, Jafus Associate 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>Hassler, Erin Visiting Assistant Professor B.S., Clark Atlanta University M.S., Life University</p>
<p>Duncan, Clyde Instructor B.S., M.S., Texas Southern University</p>	<p>Meshack, Angela Associate Professor B.S., University of Houston M.P.H., University of Texas School of Public Health Dr.PH., University of Texas School of Public Health</p>
<p>Fisher, Dwalah Associate Professor B.S., M.S., 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>Flowers, Courtney Assistant Professor B.S., Mississippi Valley State University M.S., Grambling State University Ph.D., University of New Mexico</p>	<p>Owlia, Gholamali Professor B.S., University of Iran Isfahan M.S., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Floyd, Gabrielle Visiting Instructor B.S., M.S., Texas Southern University</p>	<p>Reynolds, Lacey Associate Professor B.S., Mississippi Industrial College M.S., Delta State University Ed.D., Texas Southern University</p>
<p>Guinn, Dominique Visiting Assistant Professor B.S., University of Ozarks Clarksville Arkansas M.S., Texas Southern University</p>	<p>Thomas, William Instructor B.S., M.S., Tennessee State University</p>

- HED 432 Fitness for Living (3)**
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)
- HED 433 Personal Health and Safety I (3)**
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)
- HED 434 Mental Hygiene (3)**
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)
- HED 435 International Health Issues (3)**
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.**
- HED 436 Hygiene of the School Child (3)**
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.
- HED 437 Health Economics (3)**
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.**
- HED 438 Hygiene of Children and Adolescents (3)**
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.**
- HED 439 Review of Selected Health Materials (3)**
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.**
- HED 471 Personal Health and Safety II (3)**
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)
- HED 472 Foundations of Safety (3)**
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)

HED 477

Human Sexuality

(3)

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)

HED 499

Supervised Individual Work/Research in Community Health (6)

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. Prerequisite: **MAJORS ONLY** Senior standing.

KINESIOLOGY COURSES (PE)

The following Kinesiology 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 life long 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)
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PE 124

Baseball and Concentration

(2)

Lectures, demonstrations, and practice in advanced skills of baseball and concentration. Two hours of lecture per week. **Offered as needed.**

KINESIOLOGY COURSES (KIN)

- 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. **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/laboratory per week. **Athletic Training majors only**
- 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/laboratory per week. **Athletic Training Majors only Prerequisite: PE 300.**
- 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 Techniques and theories of sports activities and their applications to practical situations. Three hours of lecture per week.	(3)
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 Issues and application of organizational and administrative principles of physical education. Two hours of lecture per week. Majors only. Prerequisite: Junior standing.	(2)
KIN 432	Rhythms and Games for Elementary School Teachers 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.	(3)
KIN 433	Current Problems in Physical Education Study of selected problems and trends in physical education. Three hours of lecture per week. (Prerequisite: Junior standing)	(3)
KIN 434	Administration of Athletics Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. Offered as needed.	(3)
KIN 435	Tests and Measurements 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)	(3)
KIN 437	Kinesiology 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)	(3)
KIN 438	Physiology of Exercise 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)	(3)
KIN 439	Independent Study Research and/or field work on selected projects or topics. Prerequisite: Consent of Advisor or Faculty Chair.	(3)
KIN 499	Supervised Individual Work/Research in Kinesiology Directed internship with local sports medicine facilities or programs that include 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	(6)

RECREATION & LEISURE STUDIES COURSES (REC)

- REC 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.
- REC 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.
- REC 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. Societal 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.
- REC 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.
- REC 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.
- REC 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.
- REC 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. **Majors only. Prerequisite: Junior standing.**

- REC 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.
- REC 476** **Therapeutic Recreation, Therapeutic Activity Intervention and Aging(3)**
This course delivers an in-depth study of support and delivery systems, and desirable practices of therapeutic recreational 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.
- REC 499** **Supervised Internship in Recreation, Parks and Leisure Services** **(6)**
Directed internship with local sports medicine facilities or programs that include 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.
- 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.
- 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). **Prerequisite: 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.
- 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. **Prerequisite: SPMT 134 AND SPMT 273.**
- SPMT 333** **Problems in Urban Recreation & Sports** **(3)**
This is course provides an in-depth analysis of the causes and consequences of contemporary problems in urban sport 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, particular in the African American and other minority communities. **Prerequisite: 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 hour 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, improvement of program operations and improvement of satisfaction among players, parents and employees. **Prerequisite: SPMT 273 AND SPMT 332.**
- SPMT 476** **History of Sport Governance, African Diaspora & (HBCU) Black Colleges in Sports**
(3)
This course takes a look at sports sociology in a global, issues-oriented approach to study the role of sport in society and the African American cultural 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 (HBCUs) Black College Sports play in Texas. **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 THE
BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
OPTION I (CONCENTRATION II) NON-TEACHING DEGREE PLAN
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HEALTH STUDIES)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	66 credits	12 credits	
<u>Communication:</u>	PHED 1304	HED 233 (2)	Outside Interest (12)	
ENG 131 (3) **	ENGL 1301	HED 223 (2)	(Advisor approval)	
ENG 132 (3)	ENGL 1302	HED 234 (3)		
<u>Mathematics:</u>		HED 333 (3)		
MATH 133 (3)	MATH 1314	HED 335 (3)		
<u>Life and physical sciences:</u>		HED 336 (3)		
BIOL 143 (3)	BIOL 1308	HED 339 (3)		
BIOL 135 (3)	BIOL 2301	HED 340 (3)		
<u>Language, philosophy, and culture:</u>		HED 399 (2)		
ENG 2xx (3) ***		HED 432 (3)		
<u>Creative arts:</u>		HED 433 (3)		
MUSIC 239 or ART 131 (3)	HUMA 1315 or ARTS 1301	HED 434 (3)		
<u>American history:</u>		HED 436 (3)		
HIST 231 (3)	HIST 1301	HED 471 (3)		
HIST 232 (3)	HIST 1302	HED 472 (3)		
<u>Government/political science:</u>		HED 477 (3)		
POLS 235 (3)	GOVT 2305	HED 499 (6)		
POLS 236 (3)	GOVT 2306	KIN 437 or KIN 438 (3)		
<u>Social and behavioral sciences:</u>		COGNATE COURSES:		
PSY 131 (3)	PSY 2301	PE 102 (1)		
<u>Institutional Options:</u>		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 2327, or ENGL 2326)

**** Approved Elective- approved by major advisor

**BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
HEALTH STUDIES NON-TEACHING CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	MATH 133 College Algebra	3	ENG 132 Freshmen English II	3
	ENG 131 Freshman English I	3	HIST 231 Social & Political History of the United States to 1877	3
	BIOL 143 Survey of Life Science	3	PSY 131 General Psychology	3
	HED 233 History & Principles of Health	2	SC 135 or 136 Business & Professional Communication or Public Address	3
	Approved Elective	3	MUSI 239 or ART 131 Fine Arts in Daily Living or Drawing & Comp I	3
	PE 102 Physical Fitness	1		
		15 hrs		15 hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 135 Human Anatomy and Physiology I	3	GEOL 141 Intro to the Earth	3
	ENG 235 American Literature	3	POLS 236 Texas Government	3
	HIST 232 Social & Political History of the United States since 1877	3	EDCI 210 Instructional Technology I	3
	POLS 235 American Government	3	HED 333 Emergency & Care of Injuries	3
	HED 234 History & Biological Function	3	HED 223 Basic CPR	2
	PE 122 Aerobic Activities	1	PE 107 Walking, Jogging, and Fitness Appraisal	1
		16 hrs		15 hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 335 Problems in Community Health	3	HED 434 Mental Hygiene	3
	HED 336 Org & Admin of Health Programs	3	HED 436 Hygiene of the School Child	3
	HED 339 Diseases and Consumer Health	3	HED 471 Personal Health and Safety II	3
	HED 340 Environmental and Public Health	3	HED 472 Foundations of Safety	3
	HED 399 Health Seminar	2	Approved Elective	3
	HED 432 Fitness for Living	3		
		17 hrs		15 hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HED 433 Personal Health and Safety I	3	HED 499 Supervised Individual Work, Research in Community Health	6
	HED 477 Human Sexuality	3	Outside Interest	3
	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3	Outside Interest	3
	Outside Interest	3		
	Outside Interest	3		
		15 hrs		12 hrs

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
OPTION I- TEACHER CERTIFICATION DEGREE PLAN
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HEALTH STUDIES)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	54 credits	24 credits	
<u>Communication:</u>	PHED 1304	HED 233 (2)	EDCI 310 (3)	
ENG 131 (3) **	ENGL 1301	HED 223 (2)	EDCI 339 (3)	
ENG 132 (3)	ENGL 1302	HED 234 (3)	EDCI 328 (3)	
<u>Mathematics:</u>		HED 333(3)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	HED 335 (3)	EDCI 404 (3)	
<u>Life and physical sciences:</u>		HED 336 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	HED 339 (3)	RDG 401 (3)	
BIOL 135 (3)	BIOL 2301	HED 399 (2)		
<u>Language, philosophy, and culture:</u>		HED 340 (3)		
ENG 2xx (3) ***		HED 432 (3)		
<u>Creative arts:</u>		HED 433 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	HED 434 (3) HED 436 (3)		
<u>American history:</u>		HED 471 (3)		
HIST 231 (3)	HIST 1301	HED 477 (3)		
HIST 232 (3)	HIST 1302	KIN 437 OR KIN 438 (3)		
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305	COGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 102 (1)		
<u>Social and behavioral sciences:</u>		PE 107 (1)		
PSY 131 (3)	PSY 2301	PE 122 (1)		
		KIN 331 (3)		
<u>Institutional Options:</u> GEOG 1303		GEOG 132 (3)		
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 2327, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES
HEALTH STUDIES TEACHER CERTIFICATION
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	HIST 231 Social & Political History of the United States to 1877	3
	BIOL 143 Survey of Life Science	3	POLS 235 American Government	3
	SC 135 or 136 Business Professional Communication or Public Address	3	PSY 131 General Psychology	3
	HED 233 History & Principles of Health	2	MUSI 239 Fine Arts in Daily Living	3
	PE 102 Physical Fitness	1	HED 223 Basic CPR	2
		15 hrs		17 hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX	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
	GEOG 132 World Regional Geography	3	HED 333 Emergency & Care of Injuries	3
	HED 234 History & Biological Function	3	HED 339 Diseases and Consumer Health	3
	PE 122 Aerobic Activities	1	EDCI 210 Instructional Technology I	3
		13 hrs		15hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 335 Problems in Community Health	3	HED 432 Fitness in Living	3
	HED 336 Org & Admin of Health Programs	3	KIN 331 Performance Practicum	3
	HED 340 Environmental and Public Health	3	EDCI 310 Principles & Foundations of Ed	3
	HED 399 Health Seminar	2	EDCI 339 Assessment and Evaluation	3
	EDCI 404 Certification Seminar	3	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3
	HED 433 Personal Health and Safety I	3	PE 107 Walking, Jogging, and Fitness Appraisal	1
		17 hrs		16 hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HED 477 Human Sexuality	3	HED 434 Mental Hygiene	3
	HED 436 Hygiene of the School Child	3	HED 471 Personal Health & Safety II	3
	EDCI 328 Psychology of Learning & Dev	3	EDCI 468 Directed Student Teaching	6
	EDCI 350 Effective Instructional Strategies	3		
	RDG 401 Diverse Populations	3		
	15 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY
OPTION II-(CONCENTRATION III)-ATHLETIC TRAINING/NON-TEACHING
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	70 credits	9 credits	
<u>Communication:</u>	PHED 1331	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)	
<u>Mathematics:</u>		KIN 324 (2)		
MATH 133 (3)	MATH 1314	KIN 302 (3)		
<u>Life and physical sciences:</u>		KIN 331 (3)		
BIOL 143 (3)	BIOL 1308	KIN 336 (3)		
BIOL 135 (3)	BIOL 2301	KIN 339 (3)		
<u>Language, philosophy, and culture:</u>		KIN 370 (3)		
ENG 2xx (3) ***		KIN 371 (3)		
<u>Creative arts:</u>		KIN 372 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 374 (3)		
<u>American history:</u>		KIN 378 (3)		
HIST 231 (3)	HIST 1301	KIN 437 (3)		
HIST 232 (3)	HIST 1302	KIN 438 (3)		
<u>Government/political science:</u>		KIN 499 (6)		
POLS 235 (3)	GOVT 2305	CONGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 211 (1)		
<u>Social and behavioral sciences:</u>		PE 212 (1)		
PSY 131 (3)	PSY 2301	HED 233 (2)		
<u>Institutional Options:</u>		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-approved by major advisor

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY
KINESIOLOGY-ATHLETIC TRAINING/NON TEACHING
DEGREE PLAN – TOTAL CREDITS: 121**

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 Introduction to the Earth	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
	KIN 127 Foundations I	3	KIN 233 Foundations II	3
			HED 233 History & Principles of Health	2
	15 hrs		17hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX	3	Approved 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
	POLS 235 American Government	3	POLS 236 Texas Government	3
	BIOL 135 Human Anatomy and Physiology I	3	GEOG 132 World Regional Geography	3
	KIN 235 Intro to Adapted Physical Education	3	HED 223 Basic CPR	2
	PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	1
	16 hrs		15hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	KIN 302 Physical Fitness for Elementary and Secondary Schools	3	KIN 336 Org & Admin of Physical Education	3
	KIN 324 Advance Swimming	2	KIN 339 Fundamentals of Movement	3
	KIN 370 Athletic Training I	3	KIN 371 Athletic Training II	3
	HED 333 Emergency & Care of Injuries	3	EDCI 210 Instructional Technology I	3
	FN 233 Elementary Nutrition	3	Approved Elective	3
	HSHI 362 Medical Terminology	3		
	17 hrs		15 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 372 Therapeutic Exercise Modalities	3	Approved Elective	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 399 Physical Education Seminar	2		
	KIN 437 Kinesiology	3		
	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 KINESIOLOGY
OPTION II (CONCENTRATION I) - TEACHER CERTIFICATION
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	PROFESSIONAL DEVELOPMENT	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	55 credits	24 credits	
<u>Communication:</u>	PHED 1331	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)	
<u>Mathematics:</u>		KIN 324 (2)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	KIN 302 (3)	EDCI 404 (3)	
<u>Life and physical sciences:</u>		KIN 331 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	KIN 332 (3)	RDG 401 (3)	
BIOL 135 (3)	BIOL 2301	KIN 336 (3)		
<u>Language, philosophy, and culture:</u>		KIN 337 (3)		
ENG 2xx (3) ***		KIN 338 (3)		
<u>Creative arts:</u>		KIN 378 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 435 (3) KIN 432 (3)		
<u>American history:</u>		KIN 437 (3)		
HIST 231 (3)	HIST 1301	KIN 438 (3)		
HIST 232 (3)	HIST 1302	KIN 399 (2)		
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305	COGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 211 (1)		
<u>Social and behavioral sciences:</u>		PE 212 (1)		
PSY 131 (3)	PSY 2301	PE 112 (1)		
		HED 333 (3)		
<u>Institutional Options:</u> GEOG 1303		GEOG 132 (3)		
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 2327, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY
HUMAN PERFORMANCE TEACHER CERTIFICATION
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	Math 133 College Algebra	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
	KIN 127 Foundations I	3	KIN 233 Foundations II	3
	PE 112 Team Sports	1		
	16 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX	3	BIOL 135 Human Anatomy and Physiology I	3
	POLS 235 American Government	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
	KIN 324 Advanced Swimming	2	KIN 302 Physical Fitness for Elementary and Secondary Schools	3
	KIN 235 Intro to Adaptive Physical Education	3	EDCI 210 Instructional Technology I	3
	PE 211 Individual/Dual Sports & Activities I	1	PE 212 Individual/Dual Sports & Activities II	1
	15 hrs		16 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 333 Emergency Care of Injuries	3	KIN 336 Organization and Administration of Physical Education	3
	KIN 331 Performance Evaluation	3	KIN 378 Individual Dev and Motor Learning	3
	KIN 332 Coaching and Officiating	3	KIN 432 Rhythms & Game of School Aged Children	3
	KIN 337 Movement Skill Development at the Elementary level	3	EDCI 310 Principles and Foundations of Education	3
	KIN 338 Principles and Techniques for Outdoor and Leisure Activities	3	EDCI 339 Assessment and Evaluation	3
	EDCI 404 Certification Seminar	3		
	18 hrs		15 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 399 Physical Education Seminar	2	RDG 401 Diverse Populations	3
	KIN 435 Tests and Measurements	3	KIN 438 Physiology of Exercise	3
	KIN 437 Kinesiology	3	EDCI 468 Directed Student Teaching-All Lvl	6
	EDCI 328 Psychology of Learning Development	3		
	EDCI 350 Effective Instructional Strategies	3		
	14 hrs		12 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY- ATHLETIC TRAINING
OPTION II (CONCENTRATION II) - TEACHER CERTIFICATION DEGREE PLAN
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	PROFESSIONAL DEVELOPMENT	OTHER REQUIREMENTS
42 credits	EQUIVALENT	46 credits	24 credits	9 credits
<u>Communication:</u>	PHED 1331	KIN 127 (3)	EDCI 310 (3)	GEOG 132 (3)
ENG 131 (3) **	ENGL 1301	KIN 233 (3)	EDCI 339 (3)	FN 233 (3)
ENG 132 (3)	ENGL 1302	KIN 235 (3)	EDCI 328 (3)	HSHI 362 (3)
<u>Mathematics:</u>		KIN 324(2)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	KIN 302 (3)	EDCI 404 (3)	
<u>Life and physical sciences:</u>		KIN 331 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	KIN 336 (3)	RDG 401 (3)	
BIOL 135 (3)	BIOL 2301	KIN 370 (3)		
<u>Language, philosophy, and culture:</u>		KIN 371 (3)		
ENG 2xx (3) ***		KIN 372 (3)		
<u>Creative arts:</u>		KIN 378 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 432 (3) KIN 437 (3)		
<u>American history:</u>		KIN 438 (3)		
HIST 231 (3)	HIST 1301	KIN 399 (2)		
HIST 232 (3)	HIST 1302	COGNATE COURSES:		
<u>Government/political science:</u>		HED 333 (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY 131 (3)	PSY 2301			
<u>Institutional Options:</u>				
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)

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY
KINESIOLOGY - ATHLETIC TRAINING TEACHER CERTIFICATION
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	Math 133 College Algebra	3	PSY 131 General Psychology	3
	BIOL 143 Survey of Life Science	3	GEOG 132 World Regional Geography	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
	KIN 127 Foundations I	3	KIN 233 Foundations II	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX	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 236 Texas Government	3
	POLS 235 American Government	3	EDCI 210 Instructional Technology I	3
	BIOL 135 Human Anatomy and Physiology I	3	KIN 324 Advanced Swimming	2
	KIN 235 Intro to Adaptive Physical Education	3	HED 333 Emergency & Care of Injuries	3
	15 hrs		14 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	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 371 Athletic Training II	3
	KIN 370 Athletic Training I	3	KIN 432 Rhythms & Games of School Aged Children	3
	FN 233 Elementary Nutrition	3	EDCI 310 Principles and Foundations of Education	3
	EDCI 404 Certification Seminar	3	EDCI 339 Assessment and Evaluation	3
	HSHI 362 Medical Terminology	3	KIN 378 Individual Dev and Motor Learning	3
	18 hrs		18 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 372 Therapeutic Modalities	3	RDG 401 Diverse Populations	3
	KIN 437 Kinesiology	3	KIN 438 Physiology of Exercise	3
	KIN 399 Physical Education Seminar	2	EDCI 468 Directed Student Teaching-All Lvl	6
	EDCI 328 Psychology of Learning Development	3		
	EDCI 350 Effective Instructional Strategies	3		
	14 hrs		12 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY- RECREATION & LEISURE STUDIES
OPTION II (CONCENTRATION IV) - NON TEACHING
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (Recreation & Leisure)
42 credits	EQUIVALENT	47 credits		32 credits
<u>Communication:</u>	PHED 1331	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)
<u>Mathematics:</u>		KIN 324 (2)		RECL 335 (3)
MATH 133 (3)	MATH 1314	KIN 336 (3)		RECL 373 (3)
<u>Life and physical sciences:</u>		KIN 337 (3)		RECL379 (3)
BIOL 143 (3)	BIOL 1308	KIN 338 (3)		RECL 399 (2)
BIOL 135 (3)	BIOL 2301	KIN 372 (3)		RECL 434 (3)
<u>Language, philosophy, and culture:</u>		KIN 374 (3)		RECL 476 (3)
ENG 2xx (3) ***		KIN 435 (3)		RECL 499 (6)
<u>Creative arts:</u>		KIN 437 (3)		
MUSIC 239 (3) or ART 131 (3)	HUMA 1315 or ARTS 1301	KIN 438 (3)		
<u>American history:</u>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305	CONGNATE COURSES:		
POLS 236 (3)	GOVT 2306	PE 112 (1)		
<u>Social and behavioral sciences:</u>		PE 211 (1)		
PSY 131 (3)	PSY 2301	PE 212 (1)		
<u>Institutional Options:</u> MATH 1324		HED 333 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	MATH 135 (3)		
EDCI 210 (3)	COSC 1301	Approved Elective (3)****		

^ 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 2327, or ENGL 2326)

**** Approved Elective-approved by major advisor

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY
KINESIOLOGY- RECREATION & LEISURE STUDIES
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	Math 133 College Algebra	3	MATH 135 Mathematics for Business and Economic Analysis I	3
	BIOL 143 Survey of Life Science	3	PSY 131 General Psychology	3
	KIN 127 Foundations I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	PE 112 Team Sports II	1	KIN 233 Foundations II	3
		13 hrs		15 hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2**	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 236 Texas Government	3
	POLS 235 American Government	3	MUSI 239 or ART 131 Fine Arts and Daily or Drawing and Comp. I	3
	BIOL 135 Human Anatomy and Physiology I	3	RECL 234 Foundations of Recreation, Parks & Leisure Services	3
	KIN 235 Intro to Adapted Physical Education	3	EDCI 210 Instructional Technology I	3
	KIN 324 Advanced Swimming	2		
	17 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	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	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	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	



COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

**COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES
OVERVIEW**

The College of Liberal Arts and Behavioral Sciences (COLABS) is the most instructionally diverse unit at Texas Southern University. Because COLABS provides the majority of the General Education courses required for a Bachelor’s degree, it is actually the heart and soul of all undergraduate education at TSU. In other words, every student will spend a significant amount of time taking courses in this college before moving on to pursue specialized coursework in his or her selected major. We know that how well we educate students in those General Education courses predicts their success in the rest of their educational journey. It is for this reason that faculty in this college are proud that the quality of education we provide equips students with the skills they need to excel in any path they choose to pursue.

In addition to providing General Education, The College of Liberal Arts and Behavioral Sciences offers several majors. Choosing a major is one of the most important decision any student will make. We encourage them to choose one that best aligns with their passions, creative talents, intellectual interests, and academic strengths. COLABS majors and minors satisfy the interests of those committed to: 1) social and economic justice, 2) racial and gender equality, 3) improving the lives and mental health of individuals in our communities, 4) strengthening families and communities, 5) finding solutions to various social challenges, 6) engaging with global economies, societies, and cultures, 7) intellectual inquiry and challenging received bodies of knowledge, or 8) inspiring others through artistic creation and expression.

The College of Liberal Arts and Behavioral Sciences offers twelve (12) undergraduate degrees and five (5) graduate degrees through nine (9) departments, housed in different locations on campus. The following is a summary of the undergraduate degrees and departments:

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 listed above, the College of Liberal Arts and Behavioral Sciences offers 18 minors. Some majors require that students declare a minor, while others do not. However, some major programs that do not require a minor, may require extra courses in an area of concentration. Students must check with their major department chairs for specifics on whether a minor or concentration is required. COLABS majors are welcome to pursue a minor in another college at TSU.

Students interested in our Graduate degree programs should refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of those programs and degree plans.

The officers of the College include the Dean, Associate Dean, Assistant Dean, and Department Chairs. The Office of the Dean is located in Suite 315 of Barbara Jordan – Mickey Leland Building (PAB) and may be contacted by calling (713) 313-4287.

MISSION STATEMENT OF THE COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

Through quality programs and innovative study of the Arts, Humanities, and Social and Behavioral Sciences, the College is dedicated to engaging students in a journey of self-discovery and intellectual inquiry, thereby empowering them to live fully actuated lives in diverse, urban, and global communities.

COLLEGE POLICIES

Students (either new or transfer) wishing to enroll in one of the majors offered by the College of Liberal Arts and Behavioral Sciences must first submit an application through the Texas Southern University's Office of Admissions and be accepted. Once accepted, students are strongly encouraged to contact the department of their intended major to formally declare that major and submit relevant forms.

All majors in the College of Liberal Arts and Behavioral Sciences are required to be advised by faculty in their major departments *before* registering for classes every semester. This advising plays a vital role in ensuring that students are satisfactorily progressing through their major.

Students in the College who have been enrolled in credit courses within the year preceding the intended registration are not required to re-apply for admission. However, students who last attended classes a year or more prior to registration are required to file an application for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

The College strictly adheres to the policies found in the Student Code of Conduct handbook. Students are advised to familiarize themselves with this document.

GOOD ACADEMIC STANDING POLICY

To remain in good academic standing in the College, students must maintain a 2.0 cumulative GPA. Those who fail to meet this standard are subject to the probationary and suspension policies set by the University described in this document. The College adheres to the University policies on probation and suspension. Students wishing to re-enroll after suspension must follow the set University procedures and consult with the Dean or Associate Dean of COLABS.

Students pursuing majors and/or minors through the various departments in the College of Liberal Arts and Behavioral Sciences are strongly cautioned that many programs have their own specific cumulative GPA and grade requirements that are *higher* than the University's minimum GPA requirement. Students must adhere to these policies to remain in their chosen program.

STUDENT ORGANIZATIONS AND PERFORMING GROUPS

Various student organizations operate within the College and the departments. 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 organizations.

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. The Bachelor of Arts (B.A.) Degree in Social Work is also accredited by the Council on Social Work Education, and the Bachelor of Science (B.S.) in Dietetics is accredited by the Accreditation Council for Education in Nutrition and Dietetics.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be informational and descriptive, but not contractual. The University reserves the right to change, without notice, any policy, procedure, course, or requirement found in this bulletin.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The nine departments in the College of Liberal Arts and Behavioral Sciences are described in detail in the following pages.

DEPARTMENT OF ENGLISH

The mission of the Department of English is to cultivate understanding, knowledge, and the application of the English language in a culturally diverse environment. The faculty teach literature, language arts, critical reading and thinking, and research techniques 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, successful, and fulfilling roles in society.

The Department of English offers courses leading towards two degrees, one undergraduate and one graduate. These include 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 a minimum GPA 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 EDCl, 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, ENG 437, 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 230), ENG 301, ENG 302, ENG 303, ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, ENG 437, ENG 439, 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 ENGLISH DEPARTMENT

<p>Brooks de Vita, Alexis Professor B.A., University of Vermont M.A., Ph.D., University of Colorado-Boulder</p>	<p>Lancaster, Iris Assistant Professor B.A., Texas Southern University M.A., Texas Southern University Ph.D., Texas A & M – Commerce</p>
<p>Evans, Charlene Professor B.A. University of Texas at Austin M.A. Atlanta University M.A., Ph.D. Rice University</p>	<p>Samples, Ronald Associate Professor B.A., Texas Southern University M.A., Ph.D., Rice University samples_rc@tsu.edu</p>
<p>Hughey, Albertina Associate Professor M.A., University of Florida Ph.D., University of Cincinnati</p>	<p>Sollars, Michael Interim Chair Associate Professor B.A., University of Missouri, Columbia M.A., Ph.D., University of Missouri, Kansas City</p>
<p>Jennings, Arbolina Assistant Professor B.A., Notre Dame College (Ohio) M.A., ABD, New York University</p>	<p>Zeitler, Michael Associate Professor B.A. University of California, Santa Cruz M.A., Ph.D., Johns Hopkins University</p>
<p>Kilgore-Kimble, Donna Instructor B.A., Huston-Tillotson College M.A., Texas Southern University</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 (3)**
 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 301 – Great American Writers I.
- ENG 303 British Literature I (3)**
 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.
- ENG 304 British Literature II (3)**
 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.
- ENG 305 Mythology and Literature (3)**
 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.
- ENG 320 Introduction to Creative Writing (3)**
 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.
- ENG 336 The Novel (3)**
 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.
- ENG 338 Advanced Composition (3)**
 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.

- ENG 339** **Women's Literature** **(3)**
 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.
- ENG 341** **Literature and Film** **(3)**
 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.
- ENG 342** **Chinese Literature** **(3)**
 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.
- ENG 343** **African Literature** **(3)**
 A study of the literature of Africa and of the works of Africana writers, in English translation. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 347** **Workshop in Creative Writing** **(3)**
 A creative writing workshop course in poetry and fiction. Offered during the summer session. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 350** **Fiction Workshop** **(3)**
 A course in which students write, discuss, criticize, and revise original works of short fiction, with student-instructor conferences and class discussion of student writing. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 351** **Grammar Review Workshop** **(3)**
 Comprehensive review/study of basic grammatical structures of edited American English: vocabulary development, spelling, punctuation, sentence structure, mechanics, syntax, writing revisions, and proofreading. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 352** **Poetry Workshop** **(3)**
 A course in which students write, discuss, criticize and revise original works of poetry with student-instructor conferences and class discussion of student writing. Three hours of lecture per week. Prerequisite: ENG 320 and consent of the instructor. Offered during the fall semester of even-numbered academic years.
- ENG 367** **Latin American Literature** **(3)**
 Study of the novel and various other forms of literature as they developed in Latin America from colonial times to the twentieth century, in English translation. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.
- ENG 412** **Seminar in Professional Writing** **(3)**
 A course in which students learn specific technical writing skills of professions such as business, government, and science and demonstrate these through project proposals, response papers, abstracts, summaries, memos and letters, PowerPoint presentations, and various types of business and industry reports. Prerequisite: Completion of all required 200-level ENG courses.

- ENG 430** **History and Theory of the English Language** **(3)**
 Introduction to the principles of language theory and to the history of the English language. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 432** **Capstone Seminar** **(3)**
 A senior level culmination of baccalaureate studies and preparation for work in academic and professional environments. Students prepare a capstone project in order to demonstrate mastery of skills in research, writing, editing, and documentation. Students compile a portfolio of critical essays, review literary history and major literary works, and take a comprehensive exam on literature and language. Course is required of English majors and English minors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 433** **Shakespeare and Renaissance Studies** **(3)**
 Study of selected tragedies, histories, comedies, and non-dramatic works by William Shakespeare, set in the context of the English Renaissance. Required of English majors and minors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level ENG courses.
- ENG 437** **Principles of Literary Criticism** **(3)**
 Historical study of critical approaches to literature applied in the appraisal of selected works. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level required ENG courses.
- ENG 438** **Masterpieces of Modern Theatre** **(3)**
 Study of drama, focusing on masterpieces of the twentieth century. Three hours of lecture per week. Prerequisite: Completion of all required 200-level and 300-level required ENG courses. May be offered in conjunction with SPAN 438.
- 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
WITH MINOR CONCENTRATION I
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	36 credits	21 credits	21 credits
Communication:		ENG 231 (3)	Foreign Languages (12)	Contact department of choice for advisement
ENG 131 (3) **	ENGL 1301	ENG 301 (3)	Elective Courses (9)	on minor courses
ENG 132 (3)	ENGL 1302	ENG 302 (3)		after being advised
Mathematics:		ENG 303 (3)		for courses in the major
MATH 132, 133, 134, or 135 (3)	MATH 1332, 1314, 1324 or 2312	ENG 304 (3)		
Life and physical sciences:		ENG 338 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 430 (3)		
*** (3)		ENG 432 (3)		
Language, philosophy, and culture:		ENG 433 (3)		
ENG 230 (3)	ENG 2332	ENG 437 (3)		
Creative arts:		ENG 440 or 441 (3)		
**** (3)		(3) 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:				
***** (3)				
Institutional Options:				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
Other institutional 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.

*** Select from CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251 (TCCN CHEM 1312, BIOL 2301, BIOL 1303, PHYS 1315, PHYS 1301, PHYS 1302, PHYS 2325)

**** Select from MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135 or ART 137 (TCCN MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, HUMA 2323)

***** Select from ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, PSY 131 (TCCN ECON 2301, ECON 2302, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, GEOG 1303, PSYC 2301)

**BACHELOR OF ARTS DEGREE IN ENGLISH
DEGREE PLAN - CONCENTRATION I WITH MINOR
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, MATH 133, MATH 135, or MATH 136	3	MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137	3
	CHEM 131 or BIOL 143	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3
	SC 135 or SC 136	3	ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131	3
	SPAN 131 or FREN 131	3	SPAN 132 or FREN 132	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	SPAN 231 or FREN 231	3	SPAN 231 or FREN 232	3
	Institutional Option: ENG 244, HIST 281, SOC 254, or CS 116	3	MINOR or ELECTIVE	3
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ENG 301 American Writers I	3	ENG 302 American Writers II	3
	ENG 303 British Writers I	3	ENG 304 British Writers II	3
	ENG 338 Advanced Composition	3	ENG 430 History of English Language	3
	MINOR	3	MINOR	3
	ENG 3xx or ENG 4xx ELECTIVE	3	ELECTIVE	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ENG 432 Capstone Seminar	3	ENG 437 Literary Criticism	3
	ENG 433 Shakespeare	3	ENG 440 or ENG 441 African-American Literature	3
	MINOR or ELECTIVE	3	MINOR or ELECTIVE	3
	MINOR or ELECTIVE	3	MINOR or ELECTIVE	3
	MINOR or ELECTIVE	3	MINOR or ELECTIVE	3
	15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE IN ENGLISH
WITH TEACHING CERTIFICATION CONCENTRATION II
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (ENGLISH)	OTHER REQUIREMENTS	CONCENTRATION
42 credits		36 credits	18 credits	24 credits
<u>Communication:</u>			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)
<u>Mathematics:</u>		ENG 304 (3)		EDCI 340 (3)
MATH 133, 134 or 135 (3)	MATH 1314, 1314 or 2312	ENG 338 (3)		EDCI 350 (3)
<u>Life and physical sciences:</u>		ENG 430 (3)		EDCI 464 (6)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 432 (3)		RDG 400 (3)
Life and Physical Science (3) ***		ENG 433 (3)		RDG 402 (3)
		ENG 437 (3)		
		ENG 439 (3)		
		ENG 440 or 441 (3)		
<u>Language, philosophy, and culture:</u>				
ENG 230 (3)	ENG 2332			
<u>Creative arts: (3)****</u>				
<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>				
PSY 131 (3)	PSYC 2301			
<u>Institutional Options:</u>				
African American Studies (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.

*** Select from CHEM 132, BIOL 135, GEOL 141, PHYS 237, PHYS 238 or PHYS 251 (TCCN CHEM 1312, BIOL 2301, BIOL 1303, PHYS 1315, PHYS 1302, PHYS 2325)

**** Select from MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, ART 137 (TCCN MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, HUMA 2323)

***** Select from HIST 281, ART 139, ENG 244, SOC 254 (TCCN HIST 2381, HUMA 2319, ENGL 2326, SOCI 2319)

**BACHELOR OF ARTS DEGREE IN ENGLISH
DEGREE PLAN - CONCENTRATION II WITH TEACHING CERTIFICATION
TOTAL CREDITS - 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 133, MATH 135, or MATH 136	3	MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 136, or ART 137	3	
	CHEM 131 or BIOL 143	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3	
	Institutional Option: from African American Studies	3	GEOG 132	3	
	SPAN 131 or FREN 131	3	SPAN 132 or FREN 132	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235	3	POLS 236	3	
	HIST 231	3	HIST 232	3	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3	
	SPAN 231 or FREN 231	3	SPAN 231 or FREN 232	3	
	PSY 131	3	EDCI 210	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ENG 301 Great American Writers I	3	ENG 302 Great American Writers II	3	
	ENG 303 British Literature I	3	ENG 304 British Literature II	3	
	ENG 338 Advanced Composition	3	ENG 430 History of English Language	3	
	ENG 433 Shakespeare	3	EDCI 310 Princi. & Found. Of Education	3	
	ENG 439 Teaching of English	3	EDCI 339 Classroom Mangement	3	
	RDG 400	3	EDCI 340 Instructional Technology II	3	
		18 hrs		18 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ENG 432 Capstone Seminar	3	EDCI 464 Directed Student Teaching in High School	6	
	ENG 437 Literary Criticism	3			
	ENG 440 or ENG 441 African-American Literature	3			
	EDCI 328 Psy of Learning, Growth & Devel.	3			
	EDCI 350 Effective Instructional Strategies	3			
	RDG 402	3			
		18 hrs		6 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 supporting 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 Degree (B.A.) in Spanish, and Minor in French and Spanish. It also offers a Chinese program with the following courses available as electives for all students: CHNS 131, CHNS 132, CHNS 231, and CHNS 232. The program will be developed to include more courses on language and culture toward a minor in Chinese.

In selecting a major in Spanish or minor in French or Spanish, students 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 of "C" or better are required in all courses dedicated to either the Major Requirements or the Minor Requirements.

To be eligible for graduation as a 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:

For the Major in Spanish, 120 semester hours are required. Students must take a total of thirteen (13) three-credit courses in Spanish. 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 305, SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN439, SPAN 441, and SPAN 444. All Spanish majors are required to take SPAN 445.

For the minor in French, 21 semester credit hours are required, including FR 132, FR 231, FR 232 (or FR 142, FR 241, FR 242), FR 331, and three courses from the following: FR 335, FR 336, FR 347, FR 348, FR 432, FR 438, and FR 439.

For the Minor in Spanish, 21 semester hours are required including SPAN 132, SPAN231, SPAN232, SPAN331, SPAN332 and at least two courses from the following: SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN439, SPAN441, SPAN444, and SPAN445.

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-and-schools/colabs/foreign-languages/>

LISTING OF FACULTY IN THE DEPARTMENT

<p>Boles, Miryan Instructor B.A., Central University, Quito Ecuador M.A., Universidad de Salamanca, Spain</p>	<p>Garcia, Maria del Carmen Associate Professor B.A., M.A., University of Texas at Brownsville Ph.D., University of Houston</p>
<p>Caussin, Marylise Associate Professor B.A., M.A., La Sorbonne, Paris Ph.D., University of Louisiana at Lafayette</p>	<p>Sun, Haiqing Professor, Interim Chair B.A., M.A., Peking University, Beijing Ph.D., University of Southern California</p>
<p>Sanchez Garza, Deyanira Lab Instructor B.A. Universidad Autónoma de Nuevo León M.A. Universidad Iberoamericana</p>	

(Note: Adjunct Faculty and Visiting Scholars 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 with study of culture. 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, with study of culture. 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 study 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 study 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 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 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 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 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 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/ Advanced) granted by the Paris International Chamber of Commerce (CCIP). Practical 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 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 FR 241 and FR 242, or consent of the instructor.
- FR 336** **African Francophone Literature**
Survey of major works of African Francophone writers from the French colonization to post-independent times. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or FR 241 and FR 242 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 FR 241 and FR 242, or consent of the instructor.
- FR 348** **Contemporary Francophone Film**
Analysis of contemporary Francophone movies and comparison of Francophone cultures through film. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or FR 241 and FR 242, 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 FR 241 and FR 242, 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: FR 231 and FR 232 or FR 241 and FR 242, or consent of the 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: FR 231 and FR 232 or FR 241 and FR 242, or consent of the instructor.

- SPAN 336** **Introduction to Latin American Literature II** **(3)**
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.
- SPAN 428** **Spanish for Pharmacy and Health Science** **(3)**
Study of vocabulary, terms, expressions and communication in Spanish for pharmacy and medical/health science professionals. Conducted in Spanish and English. Three hours of lecture and one hour of lab per week.
- SPAN 438** **Masterpieces of Hispanic Theatre** **(3)**
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.
- SPAN 439** **Culture and Civilization of Latin America** **(3)**
Survey of the culture and the civilization of the Hispanic American world from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 or SPAN 332.
- SPAN 441** **Culture and Civilization of Spain** **(3)**
Survey of the culture and the civilization of Spain from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 or SPAN 332.
- SPAN 444** **Masterpieces of Hispanic Literature** **(3)**
Study of representing 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.
- SPAN 445** **Directed Study** **(3)**
Research of 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.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS DEGREE
IN SPANISH
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR REQUIREMENTS (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	
ENG 131 (3) **	ENGL 1301	SPAN 132 (3)****	Elective (3)	choice for advisement	
ENG 132 (3)	ENGL 1302	SPAN 231 (3)	FR 131 (3)	on minor courses after	
Mathematics:		SPAN 232 (3)	FR 132 (3)	being advised in the	
MATH 132 (3) or MATH 133 (3) or MATH 135 (3) or MATH 136 (3)	MATH 1332 or MATH 1314 or MATH 1324 or MATH 2312	SPAN 331 (3)	College Electives (6)	major.	
Life and physical sciences:		SPAN 332 (3)			
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 or BIOL 1308	6 of the following 9: SPAN 305 (3) SPAN 333 (3) SPAN 334 (3) SPAN 335 (3) SPAN 336 (3) SPAN 438 (3) SPAN 439 (3) SPAN 441 (3) SPAN 444 (3)			
PHYS 101 (3) or GEOL 141 (3)	PHYS 1301 or GEOL 1303				
Language, philosophy, and culture:					
ENG 230 (3)	ENG 2301				
Creative arts:					
Approved Core (3) ***					
American history:					
HIST 231 (3)	HIST 1301				
HIST 232 (3)	HIST 1302	Plus			
Government/political science:		SPAN 445 (3)			
POLS 235 (3)	GOVT 2305				
POLS 236 (3)	GOVT 2306				
Social and behavioral sciences:					
SOC 157 (3) or PSY 131 (3) or GEOG 132 (3)	SOCI 1301 PSYC 2301 GEOG 1303				
Institutional Options:					
SC 135 (3) or SC136 (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.

^* "Other Requirements" and Minor are not required for Spanish in Double Major/ Dual Degree, minimum 33 credit hours required for Spanish Double Major/ Dual Degree .

MINOR PROGRAM

For the minor in French

21 semester credit hours are required including FR 132, FR 231, FR 232, (or FR 142, FR 241, FR 242), FR 331, and three courses from the following: FR 335, FR 347, FR 432, FR 438, and FR 439.

MINOR IN FRENCH (21 credits)	
Required courses	
FR 132 (3) or FR 142 (3)	
FR 231 (3) or FR 241 (3)	
FR 232 (3) or FR 242 (3)	
FR 331 (3)	
Take 3 courses from the following:	
FR 335 (3)	
FR 336 (3)	
FR 347 (3)	
FR 348 (3)	
FR 432 (3)	
FR 438 (3)	
FR 439 (3)	

For the minor in Spanish

21 semester hours are required SPAN 132, SPAN231, SPAN232, SPAN331, SPAN332, and at least two courses from the following: SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN439, SPAN441, SPAN444, SPAN445

MINOR IN SPANISH (21 credits)	
Required courses	
SPAN 132 (3)	
SPAN 231 (3)	
SPAN 232 (3)	
SPAN 331 (3)	
SPAN 332 (3)	
Take at least 2 courses from the following:	
SPAN305 (3)	
SPAN 333 (3)	
SPAN 334 (3)	
SPAN 335 (3)	
SPAN 336 (3)	
SPAN 438 (3)	
SPAN439 (3)	
SPAN 441 (3)	
SPAN 444 (3)	
SPAN 445 (3)	

**BACHELOR OF ARTS DEGREE IN SPANISH
DEGREE PLAN - TOTAL CREDITS = 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year		ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
		MATH 132 Math for Liberal Arts I or	3	MUSI 131 Introduction to Music or	3
		MATH 133 College Algebra or		MUSI 136 Music Appreciation or	
		MATH 135 Math for Bus & Econ Analysis or		MUSI 239 Fine Arts in Daily Living or	
		MATH 136 Precalculus		THEA 130 Introduction to Theatre or	
		BIOL 143 Survey of Life Science or	3	ART 135 Topics in Contemp Art & Culture or	
		CHEM 131 General Chemistry I		ART 137 Intro to African Art	
		SC 135 Business & Prof Communication or	3	PHYS 237 College Physics I	3
		CHNS 131 Elementary Chinese I		PSY 131 General Psychology or	3
		SPAN 131 Elementary Spanish I	3	SOC 157 Introduction to Sociology or	
				GEOG 132 World Regional Geography	
			SPAN 132 Elementary Spanish II	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year		POLS 235 American Government	3	POLS 236 Texas Government	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
		ENG 230 World Literature I	3	CS 116 Intro to Computer Science I	3
		SPAN 231 Intermediate Spanish I	3	SPAN 232 Intermediate Spanish II	3
		Minor	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
		Elective	3	SPAN Elective	3
		FR 131 Elementary French I	3	College Elective	3
		College Elective	3	FR 132 Elementary French II	3
		Minor	3	ENG 231 or higher	3
			15 hrs		15 hrs
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year		Minor	3	Minor	3
		Minor	3	Minor	3
		SPAN Elective	3	SPAN Elective	3
		SPAN Elective	3	SPAN Elective	3
		SPAN Elective	3	SPAN 445 Directed Study	3
			15 hrs		15 hrs

DEPARTMENT OF HISTORY AND GEOGRAPHY

The Department of History and Geography is responsible for the instruction of courses in History (HIST) and Geography (GEOG). The Department offers two undergraduate degrees, Bachelor of Arts (B.A.) in History and Bachelor of Arts (B.A.) in General Studies, and one graduate degree, Master of Arts (M.A.) in History. The Department offers five minors: History, Geography, African Studies, African American Studies, and Women's Studies. Department faculty 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 should consult the Graduate School Bulletin of Texas Southern University.

The Department houses two distinct academic disciplines, History and Geography, and 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 General Studies curriculum is divided into four areas: 1) The core curriculum, which requires 42 credit hours; 2) The major, which is composed of 30 credit hours of required courses; 3) The elective area, which requires 24 credit hours, 3 of which must be 300 or 400 level courses; 4) The concentration within the General Studies major, which is agreed upon by the student and advisor, requiring 24 credit hours (which may be taken in more than one department), 18 of which must be at the 300 and 400 level.

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 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: 1) General history; 2) African American history; 3) World history; or 4) Pre-law, 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 of “C” or better (grades of “C-” are not acceptable) 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 (grades of “C-” are not acceptable) in all major and concentration courses.

Students wishing to pursue one of the two undergraduate degrees or one of the five minors offered through the Department must do the following: 1) first gain admission to the University; 2) satisfy Texas Success Initiative (TSI) requirements or equivalent with the University's TSI Testing Coordinator; and 3) petition the Department for admission when TSI requirements are completed. Once admitted, students are 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 credit hours), and 18 additional credit hours in Geography. At least 9 credit hours must be at the 300 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 that 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 Interim Chair and Associate Professor B.S., Massachusetts Institute of Technology M.S., Stanford M.A., 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 University</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 341** **Latin American History since 1500** **(3)**
Examines the history of Latin America from the European conquest in the sixteenth century to the present. Emphasizes the formation of society and the economy in the colonial era, the changes set in motion by independence in the nineteenth century, and the implications of industrialization in the twentieth century. Three hours of lecture per week.
- HIST 342** **History of Mexico** **(3)**
Explores the history of Mexico from the Spanish conquest in the sixteenth century to the present. Emphasizes the development of Mexico since independence. Particular attention is devoted to the evolving relationship between Mexico and the United States. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 343** **History of Brazil** **(3)**
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.
- HIST 344** **Constitutional History of the United States to 1877** **(3)**
An examination of legal constitutional problems and issues in American history. Three hours of lecture per week.
- HIST 348** **Women and Empire** **(3)**
Examination of the history of gender, sexuality, and racial and national identity. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 349** **Women's History** **(3)**
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.
- HIST 371** **Texas History** **(3)**
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.
- HIST 381** **African Civilizations to 1800** **(3)**
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.
- HIST 382** **African Civilizations since 1800** **(3)**
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.
- HIST 410** **Archival Methods and Records Management** **(3)**
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.
- HIST 420** **Capstone Seminar** **(3)**
Directed reading course that may be repeated for up to six hours credit as topics vary. 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.

- HIST 421** **Topics in African Diaspora** **(3)**
Directed readings course that may be repeated for up to six hours credit as topics vary. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.
- HIST 430** **Topics in History** **(3)**
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 nine hours credit as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 432** **Topics in World History** **(3)**
Directed readings course that may be repeated for up to six hours credit as topics vary. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.
- 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 hours credit 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 for up to six hours credit 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 political, social, and cultural developments between 1763 and 1789 that 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 for up to six hours credit 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** **(3)**
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.

GEOG 232 **Population Geography** **(3)**
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.

GEOG 234 **Cities of the World** **(3)**
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.

GEOG 330 **Introduction to Cartography** **(3)**
Introduction to the fundamentals of cartography, including basic computer mapping techniques. Three hours of lecture per week.

GEOG 331 **Geography of Texas** **(3)**
Designed to acquaint students with the principal geographic factors influencing the development of the state of Texas. Three hours of lecture per week.

GEOG 332 **Economic Geography** **(3)**
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.

GEOG 334 **Urban Geography** **(3)**
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

GEOG 336	Geography of Africa Survey of the geography of Africa. 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 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 HISTORY) CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	36 credits	21 credits	21 credits
Communication:		HIST 131 (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(18)^	
Mathematics:		HIST 420 (3)		
MATH 132 or 133,*** (3)	MATH 1332, 1314,	HIST ELECTIVE: NON WESTERN HISTORY (3)		
Life and physical sciences:				
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (21)		
GEOL 141	GEOL 1303			
Language, philosophy, and culture:				
ENG 2xx (3)****	ENGL 2xxx			
Creative arts:				
***** (3)				
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 230 1			
POLS 236 (3)	GOVT 230 2			
Social and behavioral sciences:				
***** (3)				
Institutional Options:				
***** (3)				
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)

***** Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS116)

^ 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
DEGREE PLAN – (GENERAL) HISTORY CONCENTRATION
TOTAL CREDITS = 120

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 132 or 133		3	Creative Arts*	3
BIOL 143		3	GEOL 141	3
HIST 281 Intro to Af Am History		3	Social and Behavioral Sciences**	3
HIST 231 Soc & Pol Hist US to 1877		3	HIST 232 Soc & Pol Hist US Since 1877	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
Language, Philosophy & Culture***		3	Institutional Options****	3
HIST 131 World History I		3	HIST 132 World History II	3
HIST Elective		3	History Elective	3
Elective		3	ENG 2XX*****	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	HIST 331 or 332 - Modern Europe	3	HIST Elective - Non-Western History
HIST Elective		3	HIST Elective	3
Minor		3	Minor	3
Minor		3	Minor	3
Elective		3	Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	HIST 420 Capstone Seminar	3	HIST Elective
HIST Elective		3	HIST Elective	3
Minor		3	Minor	3
Minor		3	Elective	3
Elective		3	Elective	3
		15 hrs		15 hrs

*Creative Arts: MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

**Social and Behavioral Sciences: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

***Language, Philosophy & Culture: ENG 230, 231, 235, or 244

****Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS 116)

*****ENG 2XX: ENG 230, 231, 235, or 244

**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	36 credits	21 credits	21 credits
Communication:		HIST 131 (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(18)^	
Mathematics:		HIST 331 or 332(3)		
MATH 132 or 133 (3)**	MATH 1332, or 1314	HIST 381 or 382 (3)		
Life and physical sciences:		HIST 420 (3)		
BIOL 143 (3)	BIOL 1308	HIST 478 (3)		
GEOL 141	GEOL 1303	HIST ELECTIVES (12)		
Language, philosophy, and culture:		HIST ELECTIVE:		
ENG 2XX (3)	ENGL 2XXX	AfAm History (3)		
Creative arts:				
**** (3)				
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 230 1			
POLS 236 (3)	GOVT 230 2			
Social and behavioral sciences:				
***** (3)				
Institutional Options:				
***** (3)				
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)

***** Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS116)

^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
DEGREE PLAN – AFRICAN AMERICAN HISTORY
TOTAL CREDITS = 120

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 132 or 133		3	Creative Arts*	3
BIOL 143		3	GEOL 141	3
HIST 281 Intro to Af Am History		3	Social and Behavioral Sciences**	3
HIST 231 Soc & Pol Hist US to 1877		3	HIST 232 Soc & Pol Hist US Since 1877	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
Language, Philosophy & Culture***		3	Institutional Options****	3
HIST 131 World History I		3	HIST 132 World History II	3
HIST Elective		3	History Elective	3
Elective		3	ENG 244 African American Literature	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	HIST 321 or 322 - Af Am History	3	HIST 381 or 382 - African Civilizations
HIST 331 or 332 - Modern Europe		3	African American History Elective	3
Minor		3	Minor	3
Minor		3	Minor	3
Elective		3	Elective	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	HIST 420 Capstone Seminar	3	HIST 478 Slavery
HIST Elective		3	HIST Elective	3
Minor		3	Minor	3
Minor		3	Elective	3
Elective		3	Elective	3
		15 hrs		15 hrs

*Creative Arts: MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

**Social and Behavioral Sciences: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

***Language, Philosophy & Culture: ENG 230, 231, or 235 (ENG 244 is required for this concentration)

****Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS 116)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF ARTS IN HISTORY PRE-LAW CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (HISORY)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	36 credits	21 credits	21 credits
Communication:		HIST 131 (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(15)^	
MATH 132 or 133 (3)	MATH 1332or1314	HIST 420 (3)		
Life and physical sciences:		HIST ELECTIVE: Non-Western Hist (3)		
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (18)		
GEOL 141 (3)	GEOL 1303			
Language, philosophy, and culture:				
ENG 2xx (3)	ENGL 2xxx			
Creative arts:				
**** (3)				
American history:				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 230 1			
POLS 236 (3)	GOVT 230 2			
Social and behavioral sciences:				
***** (3)				
Institutional Options:				
***** (3)				
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)

***** Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS116)

^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
DEGREE PLAN – PRE-LAW HISTORY CONCENTRATION
TOTAL CREDITS = 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 132 or 133	3	Creative Arts*	3	
	CHEM 131 or BIOL 143	3	GEOL 141	3	
	HIST 281 Intro to Af Am History	3	Social and Behavioral Sciences**	3	
	HIST 231 Soc & Pol Hist US to 1877	3	HIST 232 Soc & Pol Hist US Since 1877	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	Language, Philosophy & Culture***	3	Institutional Options****	3	
	HIST 131 World History I	3	HIST 132 World History II	3	
	HIST Elective	3	History Elective	3	
	Elective	3	ENG 2XX*****	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	HIST 331 or HIST 332 - Modern Europe	3	HIST 344 Constitutional History of US	3	
	HIST Elective	3	HIST Elective - Non-Western History	3	
	Minor	3	Minor	3	
	Minor	3	Minor	3	
	Elective	3	POLS 413 Constitutional Law	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HIST 420 Capstone Seminar	3	HIST Elective	3	
	HIST Elective	3	HIST Elective	3	
	Minor	3	Minor	3	
	Minor	3	Elective	3	
	Elective	3	Elective	3	
		15 hrs		15 hrs	

*Creative Arts: MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

**Social and Behavioral Sciences Area: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

***Language, Philosophy & Culture: ENG 230, 231, 235, or 244

****Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS 116)

*****ENG 2XX: ENG 230, 231, 235, or 244

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	36 credits	21 credits	21 credits
<u>Communication:</u>		HIST 131 (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 (9)	
<u>Mathematics:</u>		HIST 420 (3)	Electives(9)^	
MATH 132 (3) or MATH 133 (3) ***	MATH 1332 or MATH 1314	HIST ELECTIVE: World History (9)		
<u>Life and physical sciences:</u>		HIST ELECTIVE: American History (3)		
BIOL 143 (3)	BIOL 1308	HIST ELECTIVES (12)		
GEOL 141 (3)	GEOL 1303			
<u>Language, philosophy, and culture:</u>				
ENG 2xx (3)	ENGL 2xxx			
<u>Creative arts:</u>				
**** (3)				
<u>American history:</u>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 230 1			
POLS 236 (3)	GOVT 230 2			
<u>Social and behavioral sciences:</u>				
***** (3)				
<u>Institutional Options:</u>				
***** (3)				
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)

***** Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131) or Computer Science (CS116)

^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
DEGREE PLAN – WORLD HISTORY CONCENTRATION
TOTAL CREDITS = 120

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 132 or 133		3	Creative Arts*	3
CHEM 131 or BIOL 143		3	GEOL 141	3
HIST 281 Intro to Af Am History		3	Social and Behavioral Sciences**	3
HIST 231 Soc & Pol Hist US to 1877		3	HIST 232 Soc & Pol Hist US Since 1877	3
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
Language, Philosophy & Culture***		3	Foreign Language	3
HIST 131 World History I		3	HIST 132 World History II	3
HIST Elective		3	History Elective	3
Elective		3	ENG 230 or 231 - World Literature	3
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	World History Elective	3	World History Elective
HIST 331 or HIST 332 - Modern Europe		3	HIST Elective	3
Minor		3	Minor	3
Minor		3	Minor	3
Foreign Language		3	Foreign Language	3
		15 hrs		15 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	HIST 420 Capstone Seminar	3	American History Elective
World History Elective		3	HIST Elective	3
Minor		3	Minor	3
Minor		3	Elective	3
Foreign Language		3	Elective	3
		15 hrs		15 hrs

*Creative Arts: MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

**Social and Behavioral Sciences Area: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

***Language, Philosophy & Culture: ENG 230, 231, 235, or 244

CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE IN GENERAL STUDIES

TOTAL CREDITS REQUIRED: 120

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (GENERAL STUDIES)	CONCENTRATION	OTHER REQUIREMENTS
42 credits	EQUIVALENT	30 credits	24 credits	24 credits
<u>Communication:</u>		CS 116 (3)	See Advisor	Electives (24 credits)
ENG 131 (3)**	ENGL 1301	HIST 131 or 132 (3)		See Advisor
ENG 132 (3)	ENGL 1302	MATH 133 or above (3)		
<u>Mathematics:</u>		SOC 3xx (3)		
MATH 132 (3) or MATH 133 (3)++	MATH 1324 or MATH 1314	ENG 3xx (3)		
<u>Life and Physical sciences:</u>		GEOG 3xx or 4xx (6)		
BIOL 143 (3)	BIOL 1308	HIST 3xx or 4xx (6)		
BIOL, CHEM, PHYS or GEOL (3)***		HIST 420 (3)		
<u>Language, Philosophy, and Culture:</u>				
ENG 2xx (3)****				
<u>Creative Arts:</u>				
MUSI, ART, or THEA (3)*****				
<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>				
***** (3)				
<u>Institutional Options:</u>				
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 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

+ 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 Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	Creative Arts*	3
	CHEM 131 or BIOL 143	3	GEOL 141	3
	HIST 281 Intro to Af Am History	3	Social and Behavioral Sciences**	3
	HIST 231 Soc & Pol Hist US to 1877	3	HIST 232 Soc & Pol Hist US Since 1877	3
	15 hrs		15 hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	Language, Philosophy & Culture***	3	Institutional Options****	3
	HIST 131 or 132	3	MATH 133 or above	3
	CS 116 Intro Computer Science	3	Concentration	3
	Elective	3	Concentration	3
	15 hrs		15 hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 3XX or 4XX	3	HIST 3XX or 4XX	3
	GEOG 3XX or 4XX	3	GEOG 3XX or 4XX	3
	ENG 3XX	3	SOC 3XX	3
	Concentration	3	Concentration	3
	Elective	3	Elective	3
	15 hrs		15 hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HIST 420 Capstone Seminar	3	Concentration	3
	Concentration	3	Concentration	3
	Concentration	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	15 hrs		15 hrs	

*Creative Arts: MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

**Social and Behavioral Sciences Area: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

***Language, Philosophy & Culture: ENG 230, 231, 235, or 244

****Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131)

DEPARTMENT OF HUMAN SERVICES AND CONSUMER SCIENCES

Program Overview

The Department of Human Services and Consumer Sciences (HSCS) is one of nine units in the College of Liberal Arts and Behavioral Sciences (COLABS). Formerly known as the Department of Home Economics, the Department of Human Services and Consumer Sciences offers degrees at both the undergraduate and graduate level; the Bachelor of Science (B.S.) in Human Services and Consumer Sciences and the Master of Science (M.S.) in Human Services and Consumer Sciences.

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.

Mission and Goals

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. The HSCS curriculum is aligned with the University's mission as a special purpose institution of higher education for urban programming with specialized training and experiences related to urban issues in homes, schools, and communities. Specific goals of the multidisciplinary program include:

Preparing self-empowered, competent individuals for entrepreneurial, leadership, and professional roles in child development, human development, dietetics, food service, human nutrition, family studies, consumer and community services.

Increasing the competence of students in planning and conducting research in the areas of Human Services and Consumer Sciences.

Preparing individuals to function in roles as innovators, advocates, and knowledgeable Human Service and Consumer Science professionals.

The HSCS programs are designed to broaden the students' knowledge concerning: Changing family structure and function; Behavioral aspects of the family; Interrelationships within families and other societal subsystems; and Nutrition and its relationship to the health and well-being of societal subsystems.

Structure of Degree Programs

The Department of Human Services and Consumer Sciences offers degrees at both the undergraduate and graduate level:

Undergraduate: Bachelor of Science in Human Services and Consumer Sciences with five (5) concentrations: Child and Family Development; Family and Consumer Sciences Composite (without Certification); Family and Consumer Sciences (with Certification); Human Development and Family Studies (with Certification); and Dietetics.

Graduate: Master of Science in Human Services and Consumer Sciences with three (3) concentrations: Child and Family Development; Food and Nutrition; and Human Services and Consumer Sciences Composite

Matriculation Requirements

In pursuing the Bachelor of Science degree in Human Services and Consumer Sciences, students are not required to declare a minor in a second academic discipline since all HSCS fields of study are composite majors. The five concentrations of the Bachelor of Science degree in Human Services and Consumer Sciences require a completion of a minimum of 120 semester credit hours.

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 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.

The Child and Family Development concentration focuses on growth throughout the life span as well as family dynamics and the impact 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.

The Family and Consumer Sciences concentrations provide a holistic program of study with courses that 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 Studies or Family and Consumer Sciences in cooperation with the College of Education. Career options include secondary vocational family and consumer sciences teacher (with certification), adult program development/directorship; consumer counseling; eldercare service providers, directors, entrepreneurs; and customer service representatives. A total of 120 semester hours are required for completion of each of the three related concentrations: the Composite Family and Consumer Sciences program with certification, the Composite Family and Consumer Sciences program (without certification), and the Human Development and Family Studies program (with certification).

Dietetics Concentration

Accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND®) of the Academy of Nutrition and Dietetics, the Dietetic Program in Dietetics (DPD) is designed for students desirous of becoming registered dietitian 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 125 semester hours which includes pre-professional and professional courses. 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.
2. Complete an ACEND-accredited supervised practice program or dietetic internship at a university or college, healthcare facility, community agency, or a food service corporation, or combined with undergraduate or graduate studies. Dietetic internships provide at least 1200 hours of supervised practical experience and typically runs 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.

The Master of Science Degree

The student pursuing the Master of Science degree has the option of selecting from two plans: Plan A consisting of 30 semester credit hours and an acceptable thesis or Plan B consisting of 36 semester credit hours and a special research paper. Under Plan A, the student must complete a thesis that demonstrates original research and that follows the guidelines outlined by the Graduate School. Both the thesis and special research papers are supervised by graduate faculty from the related concentration.

All graduate courses are offered during the weekday evening hours to accommodate the urban institutional needs. Summer offerings are also offered during evening hours. The graduate curriculum integrates research across the campus through its affiliation with the Center on Aging and the Center for the Family thus providing the student with opportunities for collaboration and observation. Admission to any of the concentrations of the Master of Science in Human Services and Consumer Sciences is dependent upon the student meeting the general Graduate School admission requirements and having the requisite undergraduate courses that provide the necessary background for success in the selected HSCS discipline. Students admitted to the HSCS graduate program are expected to follow a degree plan specific to their chosen specialization focus developed in collaboration with a department graduate advisor.

The Child and Family Development concentration and Family and Consumer Science concentrations at the undergraduate level serve as a direct pipeline to graduate studies in these concentrations. Students who apply for the Master of Science degree and meet the general conditions of the Graduate School are accepted fully into the Master of Science in HSCS program without a deficiency plan which is a common occurrence for students applying from other disciplines. HSCS graduate students entering the graduate program during the fall semester must register for HSCS 510 and English 501 (if their GRE verbal score is less than 3.5) and/or a specialization course. Those entering during the spring semester are advised to enroll in English 501 (if their GRE verbal score is less than 3.5) and a specialization course and enroll in HSCS 510 during the fall semester.

The Minor in HSCS

Students interested in pursuing a minor through the Department of Human Services and Consumer have the option of choosing one of three concentrations; Child and Family Development, Composite Family and Consumer Sciences, and Food and Nutrition. The minor is comprised of 21 credit hours in courses from the specific concentration area.

Only grades of "C" or better are accepted as fulfilling requirements for both the major and minor programs in HSCS.

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>Oates, D. Vantrice Associate Professor B.S., M.A., Ed.D., Texas Southern University</p>
<p>Lihono, A. Makuba Associate Professor B.S., Faculty of Agriculture, Yangambi, RD Congo M.S., Indiana State University M.S., Ph.D., Iowa State University Certificate, U. California-Davis</p>	<p>Levy-Cullins, Dandy Visiting Instructor B.S., M.S., Texas Southern University Ph.D., Texas Women’s University Certified Family Life Educator(C.F.L.E)</p>
<p>Dixon, Kimona Scurlock Visiting Instructor B.S., M.S., Ed. D., Texas Southern University</p>	<p>Morrow, Ellis Instructor Interim Director of Dietetics B.S., University of Houston M.S., University of Texas Pan American Doctoral Candidate, Rutgers University Registered Dietitian Nutritionist (R.D.N), Licensed Dietitian (L.D.), Board Certified Specialist in Gerontological Nutrition (C.S.G.)</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 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.	(3)
CFDV 333	Methods and Procedures in Early Childhood Development 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.	(3)
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** **(3)**
Comprehensive study of the integrative, synergistic nature of the field of Child & Family Development from a historical, theoretical, and practical perspective. Prerequisite: Senior standing.

CLOTHING AND TEXTILES COURSES

CT 130 **Clothing Behavior** **(3)**
The psychological, sociological, and aesthetic aspects of clothing. Research project required. Three hours of lecture per week.

CT 131 **Basic Clothing Concepts** **(1)**
Study of basic clothing construction. One hour of lecture per week. Co-requisite: CT 131L.

CT 131L **Basic Clothing Concepts Laboratory** **(2)**
Laboratory course to accompany CT 131. Four hours of laboratory per week. Co-requisite: CT 131.

CT 233 **Textiles I** **(2)**
Study of fiber properties, yarns, fabric structures, and finishes as related to serviceability. Two (2) hours of lecture per week. Co-requisite CT 131L.

CT 233L **Textiles I Laboratory** **(1)**
Laboratory course to accompany CT 233. Two (2) hours of laboratory per week. Co-requisite: CT 233.

DIETETICS/FOOD AND NUTRITION COURSES

NUTR 116 **Seminar in Nutrition and Dietetics** **(1)**
Discusses the role of the professional in dietetics and nutrition, orientation to career opportunities in dietetics and nutrition, code of ethics, credentialing, standards of practice, leadership, current and future practices in the field of dietetics and nutrition.

NUTR 235 **Introduction to Nutrition** **(3)**
Discusses the role of the professional in dietetics and nutrition, orientation to career opportunities in dietetics and nutrition, code of ethics, credentialing, standards of practice, leadership, current and future practices in the field of dietetics and nutrition.

NUTR 240 **Introduction to Food Prep** **(3)**
Introduction to selection, preparation and storage of food based on chemical and physical properties, applying food preparation techniques, understanding food components and their specific nature and behavior during preparation, evaluation of quality in food products. Course includes ServSafe Certification. Prerequisites: BIOL 246.

NUTR 335 **Nutrition and Aging** **(3)**
Examines nutritional needs during aging due to physiological; factors influencing food intake and nutritional status of the elderly; therapeutic diets for chronic diseases commonly found in older adults. PREQUISTISTES: NUTR 235, BIOL 136, BIOL 136L, CHEM 343, or instructor's consent.

NUTR 336 **Nutrition through the Life Cycle** **(3)**
Examines nutritional needs through the life cycle with emphasis on physiological, metabolic, cultural, environmental, psychosocial, genetic, and environmental factors. Prerequisites: NUTR 235, BIOL 136, BIOL 136L

NUTR 337	Nutrition and Physical Activity Examines nutritional needs for optimum performance; physical activity and fitness. Prerequisites: NUTR 235, BIOL 136, BIOL 136L, CHEM 343, or instructor's consent.	(3)
NUTR 340	Experimental Foods Lab Analysis of chemical and physical properties of food, study of ingredient functions and factors affecting food product quality as measured by sensory and objective methods, current practices and trends in food technology. Research design, data collection and analysis. Prerequisites: NUTR 249, CHEM 231, CHEM 211, BIOL 246.	(3)
NUTR 350	Culture, Society and Foods Discusses cultural beliefs and practices; religion, food supplies, and socioeconomic status and their impact on food choices and nutritional status. Prerequisites: NUTR 336, NUTR 240, PSY 131, SOC157, BIOL 246	(3)
NUTR 423	Community Nutrition Discusses the role of nutrition in promoting, maintaining and improving health in the community; financial, legislative, political, sociological, and scientific aspects of public and community health; analytical tools, grantsmanship; role of public and private agencies in community nutrition programs; goals and trends in community nutrition. Prerequisites: NUTR 336, NUTR 350.	(3)
NUTR 430	Nutrition Counseling and Education The application of principles and hands-on experience of counseling, motivational techniques, and communication skills dietetics/nutrition practice. Prerequisites: NUTR 456, NUTR 450 CO-REQUISTISTES: NUTR 460, NUTR 460L.	(2)
NUTR 440	Food Production Systems Discusses the principles in foodservice production systems with emphasis on equipment, principles of safe food handling, quality standards and controls, menu planning, and environmental issues. This course must be taken concurrently with NUTR 440L (Food Production Systems Lab). Prerequisites: NUTR 240. This course must be taken concurrently with NUTR 440L. Co-requisites: NUTR 440L.	(2)
NUTR 440L	Food Production Systems Lab The application of principles in foodservice production systems with emphasis on equipment, safe food handling, quality standards and controls, menu planning, and environmental issues. This course must be taken concurrently with NUTR 440 (Food Production Systems). Perquisites: NUTR 240, SERVSAFE certification, verification of immunization – current TB test, measles, mumps, rubella, chicken pox, H1N1 flu shot, seasonal flu shot, and hepatitis B series (are in the process of getting series). You will need to submit copy of SERVSAFE certification and immunization records to instructor to be registered for the course. This course must be taken concurrently with NUTR 440. Co-requisites. NUTR 440.	(2)
NUTR 445	Food Systems Management Discusses management principles with emphasis on how they apply to food systems - human resources, food, equipment and facilities to provide a quality product and service to customers/clients/patients. Prerequisites: NUTR 440, NUTR 440L	(3)
NUTR 450	Nutritional Status Assessment Lab Provides training in nutrition status assessment techniques – laboratory methods for collection and interpretation of demographic, dietary, anthropometric, biochemical and clinical data. Prerequisites: NUTR 456 (Advanced Nutrition I). Co-requisites: NUTR 457 (Advanced Nutrition II).	(2)

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.

FAMILY AND CONSUMER SCIENCES COURSES

- FCS 334 Career Opportunities in Family and Consumer Sciences (3)**
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.
- FCS 335 Principles of Family and Consumer Sciences (3)**
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.
- FCS 411 Independent Study in Family and Consumer Sciences (1)**
Independent study in an area of specialization.
- FCS 420 Independent Study in Family and Consumer Sciences (2)**
Independent study in an area of specialization.
- FCS 430 Special Topics (3)**
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.
- FCS 431 Aging and Health Needs (3)**
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.
- FCS 432 Program Planning and Methodology in Human Services and Consumer Sciences (3)**
Methods and procedures for planning, developing, and implementing programs in Human Services & Consumer Sciences. Three hours of lecture per week.
- FCS 434 Occupational Programs Public Policy (3)**
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.
- FCS 435 Communication: Family and Marriage (3)**
Personal and professional growth and development through more effective communication within the family milieu and the marital unit. Three hours of lecture per week.

FCS 436	Consumer Resource Management	(3)
	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. Independent study in area of specialization	
FCS 437	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.	
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	(1)
	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	Seminar in Human Development Lifespan	(3)

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
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
<u>Communication:</u>				
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)	
<u>Mathematics:</u>				
MATH 133 (3)	MATH 1314	HSCS 430 (3)	CFDV 234 (3)	
<u>Life and physical sciences:</u>				
		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)	
<u>Language, philosophy, and culture:</u>				
		FCS 435 (3)	CFDV 436 (3)	
ENG 2xx (3) ***		FCS 436 (3)	CT 131/CT 131L (3) or CT 130	
<u>Creative arts:</u>				
		FCS 437	CT 233/CT 233L (3)	
MUSI 239 (3) or THEA 130 (3)	ARTS 1316	FCS 438 (3)	NUTRI 235 (3)	
<u>American history:</u>				
		FCS 439/ FCS 439L (3)	NUTRI 240 (3)	
HIST 231 (3)	HIST 1301		HED 477 (3)	
HIST 232 (3)	HIST 1302		SPED 309 or SPED 370 (3)	
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
<u>Institutional Options:</u>				
HIST 281	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 SCIENCES 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	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3	
	BIOL 143 Survey of Life Sciences	3	GEOL 141 Intro to the Earth	3	
	HIST 281 Intro to African American History	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	HSCS 233 Seminars in HSCS	3	CFDV 233 Family Relationships	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 of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3	
	ENG 2xx	3	CS 116 Intro to Computer Science I	3	
	FCS 334 Career Opportunities in FCS	3	FCS 335 Principles of FCS	3	
	CFDV 234 Survey of Early Childhood Dev.	3	CFDV 235/235L Interaction w/Children	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	FCS 431 Aging and Health Needs	3	FCS 434 Occupational Program/Public Policy	3	
	FCS 432 Program Planning & Methodology	3	AD 435 Interior Space & Equip Planning	3	
	NUTRI 235 Intro to Nutrition	3	SPED 309 Survey of Exceptional Ed I or SPED 370 Survey of Exceptional Ed II	3	
	CFDV 334 Pre-Adolescent Development	3	CT 233 Textiles I/CT 233 L	3	
	CT 131/131L Basic Clothing Concept or CT 130 Clothing Behavior	3	AD 130/130L Environ. Design or AD 131/131L Intro to Housing	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	NUTRI 240 Intro to Food Preparation	3	FCS 437 Capstone in FCS	3	
	CFDV 433 Multicultural Strategies	3	CFDV 436 Parenting	3	
	HED 477 Human Sexuality	3	FCS 439/FCS 439L Family & Community Serv	3	
	FCS 436 Consumer Resource Management	3	HSCS 430 Research Methodology	3	
	FCS 438 Family & Consumer Economics	3	FCS 435 Communication: Family & Marriage	3	
		15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
FAMILY AND CONSUMER SCIENCES CONCENTRATION (CERTIFICATION)
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Family & Consumer Sciences)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
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:				
		FCS 431 (3)	CFDV 233 (3)	EDCI 339 (3)
MATH 133 (3)	MATH 1314	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 437 (3)	CT 131, 131L or CT 130 (3)	EDCI 464 (6)
GEOL 141 (3)	GEOL 1303	FCS 438 or FCS 435(3)	NUTRI235(3)	RDG 400 (3)
Language, philosophy, and culture:				
			NUTRI240(3)	RDG 401 (3)
ENG 2xx (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:				
HIST 281 (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 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	MUSI 239 Fine Arts Daily Living or THEA 130	3	
	BIOL 143 Survey of Life Sciences	3	GEOL 141 Intro to the Earth	3	
	HIST 281 African American History	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POL 235 American Government	3	POL 236 Texas Government	3	
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3	
	ENG 2xx English	3	EDCI 210 Instructional Technology	3	
	FCS 334 Career Opportunities in FCS	3	NUTRI 235 Intro to Nutrition	3	
	CFDV 234 Survey of Early Childhood Dev.	3	AD 130/130L Environ. Design or AD 131/131L Intro Housing	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	NUTRI 240 Intro to Food Preparation	3	SPED 309 Survey Exceptional Ed I or SPED 370 Survey Exceptional Ed II	3	
	FCS 431 Aging and Health Needs	3	EDCI 328 Psy of Learning, Growth & Dev.	3	
	EDCI 339 Classroom Management	3	EDCI 340 Instructional Technology II	3	
	EDCI 310 Principles & Foundation of Ed	3	EDCI 350 Designing & Implementing Instruction and Assessment	3	
	AD 435 Interior Space and Equip Planning	3	CT 131/131L Basic Clothing or CT 130 Clothing Behavior	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	HED 477 Human Sexuality	3	EDCI 464 Direct Student Teaching in H.S.	6	
	RDG 400 Middle School Reading	3	FCS 437 Capstone in FCS	3	
	RDG 401 Reading for Diverse Populations	3	CFDV 436 Parenting	3	
	FCS 438 Family & Consumer Economics or FCS 435 Comm: Family and Marriage	3	FCS 436 Consumer Resource Management	3	
	FCS 433 Teaching FCS or FCS 440 Seminar in Human Development	3			
		15 hrs		15 hrs	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN HUMAN SERVICES AND CONSUMER SCIENCES
HUMAN DEVELOPMENT AND FAMILY STUDIES CONCENTRATION (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
<u>Communication:</u>				
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)
<u>Mathematics:</u>				
MATH 133 (3)	MATH 1314	FCS 431 (3)	CFDV 235, 235L (3)	EDCI 339 (3)
<u>Life and physical sciences:</u>		FCS 432 (3)	CFDV 334 (3)	EDCI 340 (3)
		FCS 433 OR FCS 440 (3)	CFDV 436 (3)	EDCI 350 (3)
BIOL 143 (3)	BIOL 1308	FCS 434 (3)	NUTRI 235(3)	EDCI 464 (6)
GEOL 141 (3)	GEOL 1303	FCS 435 (3)	HED 477 (3)	RDG 400 (3)
<u>Language, philosophy, and culture:</u>				
		FCS 436 (3)	SPED 309 or 370 (3)	RDG 401 (3)
ENG 2xx (3) ***		FCS 437 (3)		
<u>Creative arts:</u>				
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310			
<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>				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
<u>Institutional Options:</u>				
HIST 281 (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 CONCENTRATION 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	MUSI 239 Fine Arts Daily Living or THEA 130	3	
	BIOL 143 Survey of Life Sciences	3	GEOL 141 Intro to the Earth	3	
	HIST 281 African American History	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3	
	HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POL 235 American Government	3	POL 236 Texas Government	3	
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3	
	ENG 2xx English	3	EDCI 210 Instructional Technology	3	
	FCS 334 Career Opportunities in FCS	3	CFDV 235/CFDV 235L Interaction w/Young Child	3	
	CFDV 234 Survey of Early Childhood Dev.	3	FCS 434 Occupational Prog/Public Policy	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	FCS 431 Aging and Health Needs	3	NUTRI 235 Intro to Nutrition	3	
	FCS 432 Program Planning & Methodology	3	EDCI 328 Field Based II Perf Focus Tchng	3	
	EDCI 310 Field Based I Perf Focus Tchng	3	EDCI 340 Instructional Technology II	3	
	EDCI 339 Classroom Management	3	EDCI 350 Designing & Implementing Instruction & Assessment	3	
	HED 477 Human Sexuality	3	CFDV 334 Pre-Adol/Adolescent Development	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	FCS 433 Teaching FCS or FCS 440 Seminar in Human Dev.	3	EDCI 464 Directed Student Teaching in H.S.	6	
	FCS 435 Communication: Family & Marriage	3	FCS 437 Capstone in FCS	3	
	RDG 400 Middle School Reading	3	SPED 309 Survey Exceptional Ed I or SPED 370 Survey Exceptional Ed II	3	
	RDG 401 Reading for Diverse Populations	3	CFDV 436 Parenting	3	
	FCS 436 Consumer Resource Management	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: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Family & Consumer Sciences)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
42 credits	EQUIVALENT	45 credits	33 credits	
<u>Communication:</u>				
ENG 131 (3) **	ENGL 1301	CFDV 233 (3)	AD 130/AD 130 L (3)	
ENG 132 (3)	ENGL 1302	CFDV 234 (3)	CT 130 (3)	
<u>Mathematics:</u>		CFDV 235/ CFDV 235L (3)	NUTR 235 (3)	
MATH 133 (3)	MATH 1314	CFDV 331 (3)	HSCS 233 (3)	
<u>Life and physical sciences:</u>		CFDV 332 (3)	HSCS 430 (3)	
BIOL 143 (3)	BIOL 1308	CFDV 333 (3)	HSCS 436 (3)	
GEOL 141 (3)	GEOL 1303	CFDV 334 (3)	MATH 134 (3)	
<u>Language, philosophy, and culture:</u>		CFDV 335 (3)	MUSI 339 or 347 (3)	
ENG 2xx (3) ***		CFDV 431 (3)	SPAN 131 or FR 131 (3)	
<u>Creative arts:</u>		CFDV 432 (3)	SPED 309 (3)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	CFDV 433 (3)	HSCS 411 (1)	
<u>American history:</u>		CFDV 434 (3)	HED 233 (2)	
HIST 231 (3)	HIST 1301	CFDV 435 (3)		
HIST 232 (3)	HIST 1302	CFDV 436 (3)		
<u>Government/political science:</u>		CFDV 437 (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY 131 or SOC 157	PSYC 2301 or SOCI 1301			
<u>Institutional Options:</u>				
HIST 281 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	****			

**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES
CHILD AND FAMILY DEVELOPMENT CONCENTRATION - DEGREE PLAN
TOTAL CREDITS = 120**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	MATH 133 College Algebra	3	ENG 132 Freshman English II	3	
	AD 130/130L Environmental Design/Lab	3	BIOL 143 Survey of Life Science	3	
	HIST 281 Introduction to African American History	3	CFDV 233 Family Relationships	3	
	HSCS 233 Seminar in HSCS	3	CT 130/130L Clothing Behavior	3	
	ENG 131 Freshman English I	3	MATH 134 Plane Trig	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	NUTR 235 Intro to Nutrition	3	PSY 131 Gen Psy or SOC 157 Intro to Sociology	3	
	GEOG 141 Intro to Earth	3	CS 116 Intro to Computer Science	3	
	ENG 2xx English	3	MUSI 239 Fine Arts or THEA 130 Intro to Theatre	3	
	CFDV 234 Survey of Early Childhood Dev	3	CFDV 235 /235 L Interaction w/ Young Children	3	
	HIST 231 Social & Political History US to 1877	3	HIST 232 Social & Political History US since 1877	3	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	CFDV 331 Methods/Assessment of Young Children	3	CFDV 332 Children's Play: Role and Development	3	
	CFDV 333 Methods & Procedures Early Childhood	3	CFDV 432 Children's Literature	3	
	MUSI 347 Basic Music Procedures	3	POL 236 Texas Government	3	
	POL 235 American Government	3	FR 131 Elementary French I or Span 131 Elementary Spanish	3	
	CFDV 334 Pre-Adolescent & Adolescent Development	3	SPED 309 Survey of Exceptional Ed I	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	CFDV 335 Independent Study	3	CFDV 434 Practicum I	3	
	CFDV 431 Theories in Child Development	3	CFDV 435 Child Nutrition	3	
	CFDV 433 Multicultural Strategies	3	CFDV 437 Capstone in Child & Family Development	3	
	CFDV 436 Parenting	3	HSCS 430 Research in HSCS	3	
	FCS 436 Family Resource Management	3	HSCS 411 Independent Study in FCS	1	
			HED 233 History & Principles of Health	2	
		15 hrs		15 hrs	

DEPARTMENT OF MUSIC

The mission of the Department of Music is to accept students at their level of expertise and provide them with the academic and professional musical training to help them find their relevance on the urban and global stage. This is achieved through curricular offerings designed to lay a strong musical foundation in preparation for a diverse array of music careers including performers, conductors, composers, church musicians, school or private studio educators, music industry professionals, and for graduate/advanced studies in a variety of areas. The Department of Music is housed in the Rollins- Stewart Music Center and the Rhinehart Music Auditorium with the main departmental office on the first floor of the Rollins-Stewart Music Center in Room 112.

For the B.A. degree in Music, students may select from four curriculum concentrations of study: Performance, Composition, Teacher Certification or Jazz Studies. In lieu of a concentration, students may elect to complete a minor in an area outside of music in addition to the core music content hours. Before students are admitted as music majors, they must first be admitted by the University and satisfy Texas Success Initiative (TSI) requirements after which they may petition the Department for an audition and placement examinations which are necessary for acceptance as a music major. Within each area of concentration, students must also choose an area of emphasis either instrumental, voice, or keyboard. Once accepted, students will be assigned a faculty advisor based on their area of emphasis. Further admission and graduation requirements for the Department are considered below.

All students must complete courses designated as either major or minor courses with grades of “C” or better. Grades of “C-“ are unacceptable. Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through the Department of Music should contact the **Department of Curriculum and Instruction** in the College of Education at Texas Southern University for application instructions.

Students pursuing teacher certification must complete the following music content courses with grades of “B” or better:

MUSI 223	Brass and Percussion	2 credits
MUSI 224	Woodwind Instruments	2 credits
MUSI 225	String Instruments	2 credits
MUSI328	Instrumental Techniques	2 credits
MUSI 329	Teaching Music in the Elem. Classroom	3 credits
MUSI 333	Form and Analysis	3 credits
MUSI 337 or 338	Music History I or II	3 credits
MUSI 431	Conducting	3 credits
MUSI 435	Teaching Music in the Secondary Class.	3 credits

All music majors are required to take a freshman and gateway assessment jury at the conclusion of their second and fourth semesters of applied music (MUSA 122 and 222/232). All freshmen music majors will enroll in MUSA 121 and 122 during their first two semesters of applied music regardless of their intended concentration. The results of the freshman assessment jury will determine their qualifying areas of concentration. An exit examination is required of all graduating seniors.

Students interested in pursuing a minor in music must first consult with the Department for assessment and to be assigned a faculty advisor.

For the minor in Music, the following 21 semester credit hours are required: MUSI 100 (0 credit), MUSI 141 (2 credits) after successfully passing a placement test, MUSI 146 (1 credit), MUSI 142 (2 credits), MUSI 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 MUSI or MUSA one of which must be MUSI 337 or MUSI 338. The minimum grade requirement for each course designated is referenced above. Students who minor in Music are required to take MUSI136 (Music Appreciation) as their university core creative arts elective.

For the minor in Jazz Studies, the following 21 semester credit hours are required: MUSI 141 (2 credits), MUSI 146 (1 credit), MUSI 142 (2 credits), MUSI 147 (1 credit), MUSI 228 (2 credits), MUSI 229 (2 credits), MUSI 253 (3 credits), MUSI 343 (3 credits), MUSI UJ (1 credit), MUSI 480 (3 credits),and MUSA 111 (1 credit). Any courses that apply toward a student’s major requirements cannot be used to fulfill these minor requirements and must be substituted by courses of equal or greater academic rigor

as approved by the advisor. The minor in Jazz Studies is open to music majors and non-music majors who qualify by audition.

The Department offers eight performing groups. These groups are open to all university students and require enrollment for credit. These groups include: University Marching Band, University Concert Band, Jazz Combo, Jazz Big Band, 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 B.M., Louisiana State University M.M., University of Miami D.M.A., University of Illinois at Urbana-Champaign</p>	<p>Oby, Jason Professor, Interim Department Chairman B.M., M.M., Manhattan School of Music D.M., Florida State University</p>
<p>Allouache, Joan Visiting Associate Professor Voice B.S., Sheffield Hallman University, UK M.M., Rice University (voice) D.M., Rice University (voice)</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>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>Rocke Brown, Jolie Visiting Associate Professor, Voice B.M.E., Hartt School of Music M.M., Loyola College, MD</p>
<p>Gibson, Clarence Instructor, Interim Director of Bands B.M.E., Alcorn State University M.M.E., University of Southern Mississippi</p>	<p>Rose, Edwin Asst. Band Director/Media Specialist B.A., Texas Southern University M.B.A., American InterContinental University</p>
<p>Gonzales, Juan Johnny Interim Director of Jazz Ensembles Woodwinds B.M.E., Sam Houston State University M.M.E., Sam Houston State University</p>	<p>Singleton, Darryl M. Instructor, Associate Band Director B. M.E., Howard University M.M., Florida State</p>
<p>Harris, Howard C. Professor B.S., Southern University M.M.Ed., Louisiana 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 D.M.A. Louisiana State University</p>
<p>Lee, Richard Associate Professor B.M.Ed., Texas Southern University M.M., Colorado State University</p>	

MUSIC COURSES

- MUSI 100 Seminar I (0-1)**
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.
- MUSI 131 Introduction to Music (3)**
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.**
- MUSI 132 Introduction to Computer Music (3)**
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.**
- MUSI 136 Music Appreciation (3)**
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.
- MUSI 141 Theory I (2)**
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. Co-requisite: MUSI 146. **Listed as MUSI 1211 in the Texas Common Course Numbering System.**
- MUSI 142 Theory II (2)**
Continuation of MUSI 141. Three hours of lecture per week. Prerequisites: MUSI 141 and MUSI 146. Co-requisite: MUSI 147. **Listed as MUSI 1212 in the Texas Common Course Numbering System.**
- MUSI 146 Ear Training and Sight Singing I (1)**
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. Co-requisite: MUSI 141. **Listed as MUSI 1116 in the Texas Common Course Numbering System.**
- MUSI 147 Ear Training and Sight Singing II (1)**
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. Co-requisite: MUSI 142. **Listed as MUSI 1117 in the Texas Common Course Numbering System.**
- MUSI 171 Class Piano I (1)**
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.**

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 art forms 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. Co-requisite: 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. Co-requisite: 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. Co-requisite: 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. Co-requisite: MUSI 242. Listed as MUSI 2117 in the Texas Common Course Numbering System.	(1)
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 Composition 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. Listed as MUSI 2181 in the Texas Common Course Numbering System.	(1)
MUSI 272	Class Piano IV Continuation of MUSI 271. May be substituted for MUSA 212 when specified. Two hours of laboratory per week. Listed as MUSI 2182 in the Texas Common Course Numbering System.	(1)
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	Teaching Music in the Elementary Classroom 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	Counterpoint 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.	(3)

MUSI 333	Form and Analysis	(3)
	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.	
MUSI 335	Orchestration	(3)
	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.	
MUSI 336	Advanced Jazz Improvisation	(2)
	Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop to contemporary.	
MUSI 337	History of Music I	(3)
	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.	
MUSI 338	History of Music II	(3)
	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.	
MUSI 339	Music for Young Children	(3)
	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.	
MUSI 343	Jazz History	(3)
	A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.	
MUSI 347	Basic Music Procedures	(3)
	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.	
MUSI 355	Jazz Arranging	(3)
	Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.	
MUSI 390	Independent Study in Music I	(3)
	Selected topics in music and music education. Developed to provide enhanced curricular options in the concentration for upper music majors at the junior level. May be repeated.	
MUSI 400	Senior Recital	(0)
	Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.	
MUSI 401	Capstone Seminar in Music	(3)
	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.	

MUSI 431	Conducting Fundamentals	(3)
	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.	
MUSI 435	Teaching Music in the Secondary Classroom	(3)
	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.	
MUSI 439	Piano-Voice Pedagogy	(3)
	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.	
MUSI 480	Business of Music	(3)
	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.	
MUSI 490	Independent Study in Music II	(3)
	Selected topics in music and music education. Developed to provide enhanced curricular options in the concentration for upper music majors at the senior level. May be repeated.	
MUSI CC	Concert Choir	(1)
	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.	
MUSI OW	Opera Workshop	(1)
	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.	
MUSI UB	University Band	(1)
	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.	
MUSI UC	University Choir	(1)
	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.	
MUSI JEC	University Jazz Ensemble Combo	(1)
	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.	
MUSI JBB	University Jazz Ensemble Big Band	(1)
	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.	

- 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.

APPLIED MUSIC COURSES

Applied Music courses are for majors and minors in Music. In scheduling each course referenced as Applied Music, the individual sections are provided with an alphabetic code (with the exception of Applied Composition) to specify the applied instrument selected for the semester or term under consideration. Each designated course number is also coded according to year, concentration, credit, and semester or term. For example, MUSA 121K would correspond to first or freshman year, certification or general concentration, first semester, piano. The following instrument codes are noted:

CODE	INSTRUMENT	CODE	INSTRUMENT
B	Brass	S	Strings
K	Piano (Keyboards)	V	Voice
P	Percussion	W	Woodwinds

- MUSA 111** **Applied Music** **(1)**
 Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week.
- MUSA 112** **Applied Music** **(1)**
 Continuation of MUSA 111. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 111.
- MUSA 121** **Applied Music** **(1)**
 Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week.
- MUSA 122** **Applied Music** **(1)**
 Continuation of MUSA 121. Offered each semester for majors. One hour of laboratory per week: Prerequisite: MUSA 121.
- MUSA 131** **Applied Music** **(2)**
 Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. Two hours of laboratory per week. Prerequisite: Consent of the instructor.
- MUSA 132** **Applied Music** **(2)**
 Continuation of MUSA 131. Two hours of laboratory per week. Prerequisites: MUSA 131 and consent of the instructor.

MUSA 211	Applied Music Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 112.	(1)
MUSA 212	Applied Music Continuation of MUSA 211. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 211.	(1)
MUSA 221	Applied Music Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 122.	(1)
MUSA 222	Applied Music Continuation of MUSA 221. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 221.	(1)
MUSA 231	Applied Music Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 132 and consent of the instructor.	(2)
MUSA 232	Applied Music Continuation of MUSA 231. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 231 and consent of the instructor.	(2)
MUSA 260	Applied Composition I Individual study of the techniques of vocal, instrumental, and electronic music composition in various styles. Two hours of laboratory per week. Prerequisite: Consent of the instructor	(2)
MUSA 261	Applied Composition II Continuation of MUSA 260. Two hours of laboratory per week. Prerequisites: MUSA 260 and consent of the instructor.	(2)
MUSA 311	Applied Music Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 212.	(1)
MUSA 312	Applied Music Continuation of MUSA 311. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 311.	(1)
MUSA 321	Applied Music Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 222.	(1)
MUSA 322	Applied Music Continuation of MUSA 321. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 321.	(1)

MUSA 331	Applied Music	(2)
	Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 232 and consent of the instructor.	
MUSA 332	Applied Music	(2)
	Continuation of MUSA 331. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 331 and consent of the instructor.	
MUSA 360	Applied Composition III	(2)
	Continuation of MUSA 261. Two hours of laboratory per week. Prerequisites: MUSA 261 and consent of the instructor.	
MUSA 361	Applied Composition IV	(2)
	Continuation of MUSA 360. Two hours of laboratory per week. Prerequisites: MUSA 360 and consent of the instructor.	
MUSA 411	Applied Music	(1)
	Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 312.	
MUSA 412	Applied Music	(1)
	Continuation of MUSA 411. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 411.	
MUSA 421	Applied Music	(1)
	Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 322.	
MUSA 422	Applied Music	(1)
	Continuation of MUSA 421. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 421.	
MUSA 431	Applied Music	(2)
	Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 322 and consent of the instructor.	
MUSA 432	Applied Music	(2)
	Continuation of MUSA 431. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 431 and consent of the instructor.	
MUSA 460	Applied Composition V	(2)
	Continuation of MUSA 361. Two hours of laboratory per week. Prerequisites: MUSA 361 and consent of the instructor.	
MUSA 461	Applied Composition VI	(2)
	Continuation of MUSA 460. Two hours of laboratory per week. Prerequisites: MUSA 460 and consent of the instructor.	

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC (WITH MINOR)
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
42 credits	EQUIVALENT	46 credits	11 credits	21 credits
Communication:		MUSI 100 (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 132 (3)	MUSA 221 (B, K, P, S, V, or W) (1)	
ENG 132 (3)	ENGL 1302	MUSI 141 (2)	MUSA 222 (B, K, P, S, V, or W) (1)	
Mathematics:		MUSI 146 (1)	MUSA 321 (B, K, P, S, V, or W) (1)	
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 142 (2)	MUSA 322 (B, K, P, S, V, or W) (1)	
Life and physical sciences:		MUSI 147 (1)	MUSA 421 (B, K, P, S, V, or W) (1)	
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)		
Science elective (3)***		MUSI 241 (2)	Music Electives (6)	
Language, philosophy, and culture:		MUSI 246 (1)		
ENG 2xx (3) ****		MUSI 242 (2)		
Creative arts:		MUSI 247 (1)		
MUSIC 136	MUSIC 1306	MUSI 331 or MUSI 439 (3)		
American history:		MUSI 333 (3)		
HIST 231 (3)	HIST 1301	MUSI 335 or MUSI 322 (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 401 (3)		
Social and behavioral sciences:		MUSI 431 (3)		
Social and Behavior Science elective (3)*****		MUSI Ensemble (5)		
Institutional Options:				
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311 or FREN 1311 or CHIN 1311	MUSA 121 (B, K, P, S, V, or W) (1) MUSA 122 (B, K, P, S, V, or W) (1)		
Select one course from the African American Studies Option		MUSI 272 or MUSA 411K, or 422K (1) (See advisor for course appropriate to applied emphasis)		

* 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 DEGREE IN MUSIC (WITH MINOR) - DEGREE PLAN
TOTAL CREDITS = 120

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3	
	AFRICAN AMERICAN STUDIES Option	3	HIST 231 Soc & Pol History of US to 1877	3	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3	
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2	
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1	
	MUSI Ensemble	1	MUSI Ensemble	1	
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1	
	15 hrs		17 hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 232 Soc & Pol History of US since 1877	3	Life and Physical Science Elective	3	
	ENG 2XX	3	SPAN 131 or FR 131 or CHNS 131	3	
	Social/Behavioral Science elective	3	MUSI 136 Music Appreciation	3	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2	
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1	
	MUSI Ensemble	1	MUSI Ensemble	1	
	MUSA 221 Applied Music	1	MUSA 222 Applied Music	1	
	17 hrs		17 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 331 Counterpoint OR	3	MUSI 333 Form and Analysis	3	
	MUSI 439 Voice/Piano Pedagogy		MUSI 338 Music History II	3	
	MUSI 337 Music History I	3	MUSA 322 Applied Music	1	
	MUSI Ensemble	1	Minor requirement	3	
	MUSA 321 Applied Music	1	Minor requirement	3	
	MUSI elective	3			
	Minor requirement	3			
	14 hrs		13 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MUSI 100 Seminar	1	MUSA 212K or 411K or 422K Applied Piano	1	
	MUSI 335 Orchestration OR MUSI 322 Diction for Singers	3	MUSI 401 Capstone in Music	3	
	MUSI 400 Senior Recital	0	MUSI 431 Conducting	3	
	MUSA 421 Applied Music	1	Minor requirement	3	
	MUSI elective	3	Minor requirement	3	
	Minor requirement	3			
	Minor requirement	3			
	14 hrs		13 hrs		

**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		46 credits	19 credits	21 credits
Communication:		MUSI 100 (1)	MUSI 223 (2)	Enroll in
ENG 131 (3)**	ENGL 1301	MUSI 132 (3)	MUSI 224 (2)	College of Education
ENG 132 (3)	ENGL 1302	MUSI 141 (2)	MUSI 225 (2)	certification program
Mathematics:		MUSI 146 (1)	MUSI 328 (2)	EDCI 310 (3)
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 142 (2)	MUSI 329 (3)	EDCI 339 (3)
Life and physical sciences:		MUSI 147 (1)	MUSI 435 (3)	EDCI 328 (3)
BIOL 143 (3)	BIOL 1308	MUSI 171 or 173 (1)	MUSA 221 (B,K,P,S, V, or W) (1)	EDCI 350 (3)
Science elective (3)***		MUSI 241 (2)	MUSA 222 (B,K,P,S,V or W) (1)	EDCI 468 (6)
Language, philosophy, and culture:		MUSI 246 (1)	MUSA 321 (B,K,P,S,V, or W) (1)	RDG 401 (3)
ENG 23X (3) ****		MUSI 242 (2)	MUSA 322 (B,K,P,S,V, or W) (1)	
Creative arts:		MUSI 247 (1)	MUSA 421 (B,K,P,S,V, Or W) (1)	
MUSI 136	MUSIC 1306	MUSI 331 or MUSI 439 (3)		
American history:		MUSI 333 (3)		
HIST 231 (3)	HIST 1301	MUSI 335 or MUSI 322 (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 401 (3)		
Social and behavioral sciences:		MUSI 431 (3)		
PSY 131 (3)	PSYC 2301	MUSI Ensembles (5)		
Institutional Options:				
EDCI 210 (3)	COSC 1301	MUSA 121 (B,K,P,S,V, or W) (1) MUSA 122 (B,K,P,S,V or W) (1)		
Select one course from the African American Studies Option (3)		MUSA 411K, or 422K (1) (See advisor for course appropriate to applied emphasis)		

*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 DEGREE IN MUSIC
WITH TEACHER CERTIFICATION - DEGREE PLAN
TOTAL CREDITS = 128**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 132, 133, 135, or 136		3	BIOL 143 Survey of Life Science	3
AFRICAN AMERICAN STUDIES Option		3	HIST 231 Soc & Pol History of US to 1877	3
MUSI 100 Seminar		0	PSY 131 General Psychology	3
MUSI 141 Theory I		2	MUSI 100 Seminar	0
MUSI 146 Ear Training/Sight Singing I		1	MUSI 142 Theory II	2
MUSI 171 or 173: Class Piano/Voice Class I		1	MUSI 147 Ear Training/Sight Singing II	1
MUSI Ensemble		1	MUSI Ensemble	1
MUSA 121 Applied Music		1	MUSA 122 Applied Music	1
		15 hrs		17 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	HIST 232 Soc & Pol History of US since 1877	3	POLS 236 Texas Government
ENG 2XX		3	Life and Physical Science Elective	3
POLS 235 American Government		3	MUSI 136 Music Appreciation	3
MUSI 100 Seminar		0	MUSI 100 Seminar	0
MUSI 241 Theory III		2	MUSI 242 Theory IV	2
MUSI 246 Ear Training/ Sight Singing III		1	MUSI 247 Ear Training/Sight Singing IV	1
MUSI Ensemble		1	MUSI Ensemble	1
MUSA 221 Applied Music		1	MUSA 222 Applied Music	1
MUSI 224 Woodwind Instruments		2	MUSI 223 Brass and Percussion	2
MUSI 225 String Instruments		2		
	18 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	MUSI 100 Seminar	0	MUSI 100 Seminar
MUSI 335 Orchestration or MUSI 322 Diction for		3	MUSI 333 Form and Analysis	3
MUSI 337 Music History I		3	MUSI 338 Music History II	3
MUSI Ensemble		1	MUSI 431 Conducting	3
MUSI 331 Counterpoint or MUSI 439 Voice/Piano		3	MUSI 328 Instrumental Techniques	2
MUSA 321 Applied Music		1	MUSA 322 Applied Music	1
MUSI 329 Teaching Music in Elementary Class		3		
EDCI 210 Instructional Technology I		3		
	17 hrs		12 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MUSI 100 Seminar	1	MUSA 411K or 422K
MUSI 400 Senior Recital		0	MUSI 132 Intro to Computer Music	3
MUSI 401 Capstone in Music		3	EDCI 328 Psy of Learning, Growth & Development.	3
MUSI 435 Teach. Music in Secondary Class.		3	EDCI 350 Effective Instructional Strategies	3
EDCI 310 Principle And Found of Education		3	RDG 401 Read for Diverse Populations	3
EDCI 339 Classroom Management		3		
MUSA 421 Applied Music		1		
	14 hrs		13 hrs	

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC
(PERFORMANCE or COMPOSITION)
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
42 credits	EQUIVALENT	46 credits	18 credits	18 credits
Communication:		MUSI 100 (1)		Select one of the
ENG 131 (3) **	ENGL 1301	MUSI 132 (3)	Foreign Language (3)	following sets:
ENG 132 (3)	ENGL 1302	MUSI 141 (2)		Applied
Mathematics:		MUSI 146 (1)	Voice Emphasis:	Performance
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 142 (2)	MUSI 322 (3)	MUSI Ensembles (3 additional)
Life and physical sciences:		MUSI 147 (1)	MUSI 325 (3)	MUSA 231 (B,K,P,S,V or W) (2)
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)	MUSI 439 (3)	MUSA 232 (B,K,P,S,V or W) (2)
Science elective (3)***		MUSI 241 (2)	MUSI electives (6)	MUSA 331 (B,K,P,S,V or W) (2)
Language, philosophy, and culture:		MUSI 246 (1)		MUSA 332 (B,K,P,S,V or W) (2)
ENG 2xx (3) ****		MUSI 242 (2)	Piano Emphasis:	MUSA 431 (B,K,P,S,V or W) (2)
Creative arts:		MUSI 247 (1)	MUSI 439	MUSA 432 (B,K,P,S,V or W) (2)
MUSIC 136	MUSIC 1306	MUSI 300 (0)	MUSI electives (12)	MUSA/MUSI Elective (3)
American history:		MUSI 331 (3)		Composition
HIST 231 (3)	HIST 1301	MUSI 333 (3)	Instrumental Emphasis:	MUSA 211 (B,K,P,S,V or W) (1)
HIST 232 (3)	HIST 1302	MUSI 335 (3)	MUSI electives (15)	MUSA 212 (B,K,P,S,V or W) (1)
Government/political science:		MUSI 337 (3)		MUSA 311 (B,K,P,S,V or W) (1)
POLS 235 (3)	GOVT 2305	MUSI 338 (3)		MUSA 312 (B,K,P,S,V or W) (1)
POLS 236 (3)	GOVT 2306	MUSI 400 (0)		MUSA 411 (B,K,P,S,V or W) (1)
Social and behavioral sciences:		MUSI 401 (3)		MUSA 412 (B,K,P,S,V or W) (1)
Social and Behavior Science Option (3)*****		MUSI 431 (3)		MUSA 260 (2)
Institutional Options:		MUSI Ensembles (5)		MUSA 261 (2)
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311 or FREN 1311 or CHIN 1311	MUSA 121 (B,K,P,S,V, or W) (1) MUSA 122 (B,K,P,S,V, or W) (1)		MUSA 360 (2) MUSA 361 (2)
Select one course from the African American Studies Category (3)		MUSI 272 or MUSA 411K, or MUSA 422K (1) (See advisor for course appropriate to applied emphasis)		MUSA 460 (2) MUSA 461 (2)

* 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 DEGREE IN MUSIC
(PERFORMANCE) - DEGREE PLAN
TOTAL CREDITS = 124**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
MATH 132, 133, 135, or 136		3	BIOL 143 Survey of Life Science	3
AFRICAN AMERICAN STUDIES Option		3	HIST 231 Soc & Pol History of US to 1877	3
MUSI 100 Seminar		0	MUSI 100 Seminar	0
MUSI 141 Theory I		2	MUSI 132 Intro to Computer Music	3
MUSI 146 Ear Training/Sight Singing I		1	MUSI 142 Theory II	2
MUSI 171 or 173: Class Piano/Voice Class I		1	MUSI 147 Ear Training/Sight Singing II	1
MUSI Ensemble		1	MUSI Ensemble	1
MUSA 121 Applied Music		1	MUSA 122 Applied Music	1
		15 hrs		17 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 232 Soc & Pol History of US since 1877		3	Life and Physical Science Elective	3
ENG 2XX		3	SPAN 131 or FR 131 or CHNS 131	3
Social/Behavioral Science elective		3	MUSI 136 Music Appreciation	3
MUSI 100 Seminar		0	MUSI 100 Seminar	0
MUSI 241 Theory III		2	MUSI 242 Theory IV	2
MUSI 246 Ear Training/ Sight Singing III		1	MUSI 247 Ear Training/Sight Singing IV	1
MUSI Ensemble		1	MUSI Ensemble	1
MUSA 231 Applied Music		2	MUSA 232 Applied Music	2
	18 hrs		18 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	MUSI 100 Seminar	0	MUSI 100 Seminar
MUSI 331 Counterpoint		3	MUSI 333 Form and Analysis	3
MUSI 337 Music History I		3	MUSI 338 Music History II	3
MUSI Ensemble		1	MUSI 300 Junior Recital	0
MUSI 322 Diction for Singers or MUSI Elective		3	MUSI Ensemble	1
MUSA 331 Applied Music		2	MUSA 332 Applied Music	2
MUSI elective		3	MUSI 325 Song Literature OR MUSI elective	3
			Foreign Language	3
	15 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MUSI 100 Seminar	0	MUSI 100 Seminar
MUSI 335 Orchestration		3	MUSI 400 Senior Recital	0
MUSA 431 Applied Music		2	MUSI 401 Capstone in Music	3
MUSI Ensemble		1	MUSI 431 Conducting	3
MUSI 439 Voice/Piano Pedagogy or MUSI elective		3	MUSI Ensemble	1
MUSI elective		3	MUSA 432 Applied Music	2
			MUSA 212K or 411K or 422K	1
			MUSI elective	3
	12 hrs		14 hrs	

**BACHELOR OF ARTS DEGREE IN MUSIC
(COMPOSITION) - DEGREE PLAN
TOTAL CREDITS = 124**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3	
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3	
	AFRICAN AMERICAN STUDIES Option	3	HIST 231 Soc & Pol History of US to 1877	3	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3	
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2	
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1	
	MUSI Ensemble	1	MUSI Ensemble	1	
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1	
		15 hrs		17 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 232 Soc & Pol History of US since 1877	3	Life and Physical Science Elective	3	
	ENG 2XX	3	SPAN 131 or FR 131 or CHNS 131	3	
	Social/Behavioral Science elective	3	MUSI 136 Music Appreciation	3	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2	
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1	
	MUSA 260 Applied Composition I	2	MUSA 261 Applied Composition II	2	
	MUSA 211 Applied Music	1	MUSA 212 Applied Music	1	
	18 hrs		18 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	MUSI 100 Seminar	0	MUSI 100 Seminar	0	
	MUSI 331 Counterpoint	3	MUSI 333 Form and Analysis	3	
	MUSI 337 Music History I	3	MUSI 338 Music History II	3	
	MUSI Ensemble	1	MUSI 300 Junior Recital	0	
	MUSI 322 Diction for Singers or MUSI Elective	3	MUSA 312 Applied Music	1	
	MUSA 360 Applied Composition III	2	MUSA 332 Applied Composition IV	2	
	MUSA 311 Applied Music	1	MUSI 325 Song Literature OR MUSI elective	3	
			Foreign Language	3	
	13 hrs		15 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MUSI 100 Seminar	0	MUSI 100 Seminar	1	
	MUSI 335 Orchestration	3	MUSI 400 Senior Recital	0	
	MUSI Ensemble	1	MUSI 401 Capstone in Music	3	
	MUSA 460 Applied Composition V	2	MUSI 431 Conducting	3	
	MUSA 411 Applied Music	1	MUSI Ensemble	1	
	MUSI 439 Voice/Piano Pedagogy or MUSI elective	3	MUSA 412 Applied Music	1	
	MUSI elective	3	MUSA 432 Applied Composition IV	2	
			MUSA 212K or 411K or 422K	1	
			MUSI elective	3	
	13 hrs		15 hrs		

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC (JAZZ PERFORMANCE)
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
42 credits	EQUIVALENT	46 credits	8 credits	28 credits
Communication:		MUSI 100 (1)		MUSI 228 (2)
ENG 131 (3) **	ENGL 1301	MUSI 132 (3)	Foreign Language (3)	MUSI 229 (2)
ENG 132 (3)	ENGL 1302	MUSI 141 (2)		MUSI 254 (3)
Mathematics:		MUSI 146 (1)	MUSI electives(5)	MUSI 343 (3)
MATH 132; 133; 135; or 136 (3)	MATH 1332; 1314; 1324; or 2312	MUSI 142 (2)		MUSI 480 (3)
Life and physical sciences:		MUSI 147 (1)		
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)		MUSI Ensembles (3 additional)
Science Option (3)***		MUSI 241 (2)		
Language, philosophy, and culture:		MUSI 246 (1)		MUSA 231 (B,K,P,S,V, or W) (2)
ENG 2xx (3) ****		MUSI 242 (2)		MUSA 232 (B,K,P,S,V, or W) (2)
Creative arts:		MUSI 247 (1)		MUSA 331 (B,K,P,S,V, or W) (2)
MUSIC 136	MUSIC 1306	MUSI 253 (3)		MUSA 332 (B,K,P,S,V, or W) (2)
American history:		MUSI 300 (0)		MUSA 431 (B,K,P,S,V, or W) (2)
HIST 231 (3)	HIST 1301	MUSI 333 (3)		MUSA 432 (B,K,P,S,V, or W) (2)
HIST 232 (3)	HIST 1302	MUSI 337 (3)		
Government/political science:		MUSI 338 (3)		
POLS 235 (3)	GOVT 2305	MUSI 355 (3)		
POLS 236 (3)	GOVT 2306	MUSI 400 (0)		
Social and behavioral sciences:		MUSI 401 (3)		
Social and Behavior Science elective (3)		MUSI 431 (3)		
Institutional Options:		MUSI Ensembles (5)		
SPAN 131 (3) or FR 131 (3) or CHNS 131 (3)	SPAN 1311, FR 1311 CHIN 1311	MUSA 121 (B,K,P,S,V, or W) (1)		
Select one course from the African American Studies category (3)		MUSA 122 (B,K,P,S,V, or W) (1)		
		MUSI 272 or MUSA 411K, or MUSA 422K (See advisor for course appropriate to applied emphasis)		

* 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 DEGREE IN MUSIC
(JAZZ PERFORMANCE) - DEGREE PLAN
TOTAL CREDITS = 124**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3
	AFRICAN AMERICAN STUDIES Option	3	HIST 231 Soc & Pol History of US to 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
	15 hrs		17 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 232 Soc & Pol History of US since 1877	3	POLS 235 American Government	3
	ENG 2XX	3	Life and Physical Science Elective	3
	Social/Behavioral Science elective	3	SPAN 131 or FR 131 or CHNS 131	3
	MUSI 100 Seminar	0	MUSI 136 Music Appreciation	3
	MUSI 241 Theory III	2	MUSI 100 Seminar	0
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 242 Theory IV	2
	MUSI Ensemble	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSI 228 Jazz Improvisation I	2	MUSI Ensemble	1
	MUSA 231 Applied Music	2	MUSA 232 Applied Music	2
	17 hrs		18 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 253 Jazz Theory	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSI 300 Junior Recital	0
	MUSI 229 Jazz Improvisation II	2	MUSI Ensemble	1
	MUSA 331 Applied Music	2	MUSA 332 Applied Music	2
	POLS 236 Texas Government	3	MUSI 254 Jazz Composition	3
		Foreign Language	3	
	14 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	1
	MUSI 355 Jazz Arranging	3	MUSI 400 Senior Recital	0
	MUSA 431 Applied Music	2	MUSI 401 Capstone in Music	3
	MUSI Ensemble	1	MUSI 431 Conducting	3
	MUSI 343 Jazz History	3	MUSI Ensemble	1
	MUSI elective	3	MUSA 432 Applied Music	2
	MUSI elective	2	MUSA 212K or 411K or 422K	1
		MUSI 480 Business of Music	3	
	14 hrs		14 hrs	

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 as- signed 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 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	Teaching Music in the Elementary Classroom	3 hrs
Musi 343	Jazz History	3 hrs
Musi 431	Conducting	3 hrs
Musi 435	Teaching Music in the Secondary Classroom	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 arts 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 Department 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, nineteen (19) semester credit hours are required through enrollment in six specified courses (credit values indicated) and one elective course to replace PSY 234 if needed. 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 six (6) 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>Clay, William A. L., III Associate Professor B.A., Rutgers University M.A., Howard University Ph.D., Texas A&M University</p>	<p>Broussard, Dominique Assistant Professor B.A., Loyola University M.Ed., University of Georgia Ph.D., University of Georgia</p>
<p>Henderson, Floyd T., II Visiting Professor B.A., Texas Southern University M.A., Texas Southern University</p>	<p>Douglas, Denika Y. Assistant Professor B.A., Texas A&M University Ph.D., University of Houston</p>

PSYCHOLOGY COURSES

- PSY 131** **General Psychology** **(3)**
This course is a survey of the essential areas, major theories, and approaches to the scientific study of behavior and mental processes. It is the foundation for the understanding of basic psychological principles underlying human behavior. This course is a prerequisite for all other psychology courses. Three hours of lecture per week. **Listed as PSYC 2301 in the Texas Common Course Numbering System.**
- PSY 233** **Life-Span Developmental Psychology** **(3)**
This course covers advances in knowledge and theory about human development across the life span. The role of genetics, environment, and maturational processes in cognitive, affective, and behavioral development are covered. Three hours of lecture per week. Prerequisite: PSY 131. **Listed as PSYC 2314 in the Texas Common Course Numbering System.**
- PSY 234** **Basic Statistics** **(3)**
The course introduces the fundamental concepts underlying statistical procedures and applications such as central tendency, hypothesis testing, normal distribution, probability, random sampling, and variability. The course also provides an overview of the conceptual and formulaic bases for specific techniques including z-test and t-test. Three hours of lecture per week. Prerequisites: PSY 131 and MATH 133.
- PSY 236** **Advanced Statistics** **(3)**
This course builds upon the foundation provided in Basic Statistics by presenting the conceptual and formulaic bases of correlational analyses, ANOVA, and linear regression. Post-hoc and planned comparisons to identify significant between-group differences and covered. Nonparametric statistics are introduced with a focus on chi-square analyses. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.
- PSY 240** **Learning and Behavior** **(4)**
The course exposes students to experimental research on animal learning and behavior. Classical conditioning and operant conditioning principles will be reviewed during lectures and demonstrated in virtual lab experiments. Three hours of lecture and one hour of laboratory per week. Prerequisite: PSY 131.
- PSY 330** **Cognitive Psychology** **(3)**
This course covers theory and research on the advances in the study of memory, language processing, perception, problem solving, and thinking. Classical theories and seminal studies on human cognition are also discussed. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 233.
- PSY 332** **Industrial and Organizational Psychology** **(3)**
The course describes the application of theory, research, and practice of psychology to various types of businesses and organizations. The topics covered include vocational and career counseling, personnel selection, aptitude testing, organizational management and behavior, performance evaluation, work motivation, job satisfaction, and employee assistance programs. Three hours of lecture per week. Pre-requisite: PSY 131.
- PSY 334** **Research Methods** **(3)**
The course covers research designs used in experimental and non-experimental research with human participants. Randomized controlled trials, quasi-experiments, longitudinal studies, cross-sectional studies, observational studies, case series are among the designs covered. Qualitative designs such as in-depth interviews and focus groups are also considered. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.

- PSY 335** **African American Psychology** **(3)**
 The experiences of people of African descent in the U.S. from enslavement to the 21st century in terms of their psychological and behavioral functioning are described in this course. The biopsychosocial correlates of personal and group identity, socioeconomic conditions, racism, and residential segregation in the Black community are discussed. Three hours of lecture per week. Prerequisite: PSY 131.
- 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 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 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 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.

PHILOSOPHY COURSES

PHIL 231 **Introduction to Philosophy** **(3)**
Exploration of the methods and problems of philosophy through critical discussion and analysis of contemporary social and moral issues. Three hours of lecture per week. **Listed as PHIL 1301 in the Texas Common Course Numbering System.**

PHIL 431 **Aesthetics** **(3)**
Critical examination of classical and contemporary aesthetic theories and their relevance for students' aesthetic experiences. Three hours of lecture per week.

**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	39 credits	18 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 (3)	Foreign Language (3)	
Life and physical sciences:		PSY 330 (3)	3xx or 4xx Level Elective (3)	
BIOL 143 (3)	BIOL 1308	PSY 334 (3)	PE 1xx(1)	
BIOL 135 (3)	BIOL 240 1	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 orH UMA 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)/ History 281 (3)	SC 1321 or SC 1315/ Hist.2381			
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 Year	FIRST SEMESTER		SECOND SEMESTER	
	English 131 Freshman English I	3	English 132 Freshman English II	3
	Math 135 Math for Bus & Eco or Math 133	3	ART135 or MUSI 31or MUSI 239 or THEA 130 3	3
	BIOL 143 Survey of Life Science	3	BIOL 135 Human Anatomy and Physiology	3
	Institutional Option	3	SOC 157 or SOC 158 or SOC 221	3
	PSY 131 General Psychology	3	MATH 138 Math Business & Economic Analysis II	3
		15 hrs		15 hrs
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Soc & Political History of U.S.to1877	3	HIST232 Soc & Political History of U.S.since1877	3
	ENG 2XX	3	CS 116 Intro to Computer Science I	3
	PSY 233 Life Span Developmental Psychology	3	PSY 236 Advanced Statistics	3
	PSY 234 Basic Statistics	3	PSY 240 Learning and Behavior	3
		15 hrs		15 hrs
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	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	Minor	3
	Foreign Language	3	Foreign Language	3
		15 hrs		15 hrs
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHIL 231 Introduction to Philosophy	3	Psychology Elective	3
	PSY 435 Psychology of Personality	3	Psychology Elective	3
	HED 233 History & Principles of Health	2	Minor	3
	Minor	3	Minor	3
	Minor	3	3XX or 4XX Level Elective	3
	PE 1 xx	1		
	15 hrs		15 hrs	

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 the CSWE's nine (9) Core Competencies as defined in the 2015 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 53 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, until a formal, written, appeal to the department has been approved. 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 (Fall semester only) and Block II (Spring semester only).** **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, SOCW 440L, 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>Dr. Needha Boutté-Queen, Professor, Department Chair B.A., Texas Southern University M.A., University of Chicago Ph.D., University of Houston</p>	<p>Omorogbe, Ifueko Interim Director of Field Education B.A., Social Work, Texas Southern University M.S.W., Our Lady of the Lake University M.A., Prairie View A&M University</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>Visiting Faculty: Dr. Alicia LaChapelle-Friday Dr. Grace Loudd Mr. Orlando P. Milton, Jr.</p>

*LMSW for Licensed Master Social Worker

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 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 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 345** **Human Behavior in the Social Environment I (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 SOCW246. 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 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 360	Research Design and Ethics for Generalist Social Work Practice	(3)
	The purpose of this course is to increase knowledge and skills in research in order to become competent in the major social work roles in research as generalist, evidence-based practitioners: Research consumers, contributing partners, and creators/disseminators of research, Junior standing or consent of 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	(3)
	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.	
SOCW 440L	Generalist Practice Laboratory I	(2)
	Practice laboratory to accompany SOCW 440. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.	
SOCW 441	Generalist Practice II	(3)
	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.	
SOCW 441L	Generalist Practice Laboratory II	(2)
	Practice laboratory to accompany SOCW 441. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block II.	
SOCW 442	Seminar on Dying and Death	(3)
	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.	
SOCW 443	Theories in Social Work Practice	(3)
	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.	
SOCW 444	Field Instruction I	(4)
	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.	
SOCW 444S	Field Instruction Seminar I	(1)
	Group discussion and integration of field practicum experiences. Accompanies SOCW 444. One hour of lecture per week. Corequisite: Enrollment in Block I.	

- SOCW 446** **Field Instruction II** **(4)**
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.
- SOCW 446S** **Field Instruction Seminar II** **(1)**
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.
- SOCW 447** **Independent Study in Social Welfare** **(3)**
Selection of topics by students for study and analysis culminating in a paper suitable for publication. Prerequisite: Senior standing or consent of the instructor.
- SOCW 448** **Topical Seminar in Social Welfare** **(3)**
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.
- SOCW 450** **Social Work Research and Evaluation** **(3)**
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.

**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		53 credits	25 credits
<u>Communication:</u>			
ENG 131 (3) **	ENGL 1301	SOCW 145 (3)	HED 233 (2)
ENG 132 (3)	ENGL 1302	SOCW 246 (3)	PE 1xx (1)
<u>Mathematics:</u>		SOCW 340 (3)	PE 1xx (1)
MATH 132 (3) or MATH 133 (3) ***	MATH 1332 or MATH 1314	SOCW 346 (3)*****	STATISTICS (3)****
<u>Life and physical sciences:</u>		SOCW 347 (3)*****	SOC 157 (3)
BIO 143 (3)	BIOL 1308	SOCW 360 (3)*****	SOC 158 (3)
BIO 135 (3)	BIOL 2401	SOCW 439 (3)	CS 116 (3)
<u>Language, philosophy, and culture:</u>		SOCW 440 (3)	PSY Elective (3)
ENG 2xx (3) ****		SOCW 440L (2)	Free Elective (3)*****
<u>Creative arts:</u>		SOCW 441 (3)	Free Elective (3)
MUSIC 239 (3)	HUMA 1315	SOCW 441L (2)	
<u>American history:</u>		SOCW 443 (3)	
HIST 231 (3)	HIST 1301	SOCW 444 (4)	
HIST 232 (3)	HIST 1302	SOCW 444S (1)	
<u>Government/political science:</u>		SOCW 446 (4)	
POLS 235 (3)	GOVT 2305	SOCW 446S (1)	
POLS 236 (3)	GOVT 2306	SOCW 450 (3)	
<u>Social and behavioral sciences:</u>		SOCW Electives (6)	
PSY 131 (3)	PSYC 2301		
<u>Institutional Options:</u>			
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315		
HIST 281 (3)			

*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 (TCCNS: 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 and SOCW 360 are only offered in the Spring of each academic year.

***** Free Electives must be College Level courses. Developmental courses are not allowed for this purpose.

BACHELOR OF ARTS DEGREE IN SOCIAL WORK - DEGREE PLAN
TOTAL CREDITS = 120

First Year	FIRST SEMESTER		SECOND SEMESTER	
	English 131	3	English 132	3
	Math 133 or Math 135	3	Music 239	3
	Biology 143	3	Biology 135	3
	Speech 135 or Speech 135	3	Sociology 157	3
	Social Work 145 Intro to Social Welfare	3	Computer Science 116	3
			Physical Education	1
	15 hrs		16 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Political Science 235	3	Political Science 236	3
	History 231	3	History 232	3
	English 2XX	3	Institutional Option	3
	Social Work 246 Social Legislation	3	Speech 2XX or 3XX level	3
	Sociology 158	3	Health Education 233	2
			Physical Education	1
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Psychology Elective 2XX or higher	3	Social Work Elective	3
	Social Work 340 Seminar in Helping	3	Social Work Elective	3
	Social Work 346 Human Behav Soc Environ I	3	Social Work 360 Research Design and Ethics	3
	College Level Elective	3	Social Work 347 Human Behav Soc Environ II	3
	Statistics	3	College Level Elective	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 Social Work Practice	3	SOCW 439 Social Welfare Policy	3
	SOCW 444 Field Instruction I	4	SOCW 446 Field Instruction II	4
	SOCW 444S Field Instruction Seminar I	1	SOCW 446S Field Instruction Seminar II	1
	SOCW 450 Social Work Research and Eval	3		
	16 hrs		13 hrs	

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 Success 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 122 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 twelve (12) credits: SOC 254, SOC 354, SOC 357, and SOC 359. An additional nine (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 department faculty. **An exit examination is also required of graduating majors.** 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. Associate 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>

SOCIOLOGY COURSES

- SOC 141** **Texas: A Multicultural Society** **(3)**
Study of selected ethnic groups and their contributions to the development of Texas and the nation. Three hours of lecture per week.
- SOC 157** **Introduction to Sociology** **(3)**
Presentation of basic concepts and processes in the sociological analysis of micro and macro socio-cultural systems. Three hours of lecture per week. **Listed as SOCI 1301 in the Texas Common Course Numbering System.**
- SOC 158** **Contemporary Social Issues** **(3)**
Selected current social issues discussed from the perspective of contemporary theories of social problems. Three hours of lecture per week. **Listed as SOCI 1306 in the Texas Common Course Numbering System.**
- SOC 211** **Social Adjustment to College** **(1)**
Designed to help students develop the practical knowledge, skills, and attitudes essential for a successful and rewarding college experience. One hour of lecture per week.
- SOC 221** **Sociology of Human Sexuality** **(3)**
Examination of the physiological, sociological, and psychological variables that influence human sexuality both within and outside the confines of the institution of marriage. Three hours of lecture per week. **Listed as SOCI 2306 in the Texas Common Course Numbering System.**
- SOC 238** **Introduction to Anthropology** **(3)**
General introduction to anthropology and related disciplines, including a general introduction to the major topical areas within each of the disciplines related to anthropology. Three hours of lecture per week. **Listed as ANTH 2346 in the Texas Common Course Numbering System.**
- SOC 254** **Black Perspectives in Sociology** **(3)**
Presentation of the works and critical analysis of a variety of issues that concern the group life of African Americans. Three hours of lecture per week.
- SOC 257** **School Sociology** **(3)**
Critical analysis of the character and nature of education in complex societies: relationship to political, economic, and cultural processes; impact on individual and community behavior and development; the learning process; and the classroom as a social system. Three hours of lecture per week.
- SOC 322** **Social Psychology** **(3)**
Basic concepts of social psychology with emphasis on the interrelations among individuals, society, and its sociocultural subsystems. Three hours of lecture per week.
- SOC 331** **Sociology of the Family** **(3)**
Presentation of theoretical perspectives that influence family studies and a discussion of the forces external and internal to the family that impact its structure, process, and function. Emphasis placed on Black families and the establishment and development of a family unit. Three hours of lecture per week.
- SOC 335** **Ethnic Groups in Society** **(3)**
Presentation and discussion of the nature and character of society and the presence of racial and ethnic groups within the social order. Three hours of lecture per week.

SOC 337	Urban Community Life	(3)
	Designed to take stock of the knowledge accumulated regarding the social and psychological consequences of community life. Examination of the historical background of cities and the three main sociological theories of urbanism with speculations about the urban future. Three hours of lecture per week.	
SOC 344	Social Stratification	(3)
	Examination of the various types of social stratification and their effects on human behavior and life chances. Three hours of lecture per week.	
SOC 351	Criminology	(3)
	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.	
SOC 354	Sociological Statistics	(3)
	Descriptive and simple inductive statistics, selected mathematical topics, and orientation to computer applications in the analysis of sociological data. Three hours of lecture per week. Prerequisites: SOC 157 and SOC 158.	
SOC 357	Sociological Theory	(3)
	Study of selected social theories and their major contributions to the field of Sociology. Three hours of lecture per week.	
SOC 359	Sociological Research	(3)
	Study of quantitative and qualitative research techniques for data collection and analysis. Three hours of lecture per week.	
SOC 435	Juvenile Delinquency and Juvenile Justice	(3)
	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.	
SOC 438	Collective Behavior and Social Movements	(3)
	Study of human societies and culture. Emphasis placed on ethnographic anthropological research. Three hours of lecture per week.	
SOC 450	Seminar in Methodology	(3)
	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.	
SOC 452	Sociology of Work	(3)
	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.	
SOC 456	Independent Study	(3)
	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.	

- SOC 457** **Seminar in Sociological Theory** **(3)**
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.
- SOC 458** **Seminar in Applications of Sociology** **(3)**
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.
- SOC 460** **Women in Society** **(3)**
Examination of changing gender roles and the effects on the social and cultural status of women. Three hours of lecture per week.

CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS 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 135 (3)	
Mathematics:		SOC 221 or 257 (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	
	Communication Area: ENG 131 Freshman English I	3	Communication Area: ENG 132 Freshman English II	3
	Math Area: MATH 133 College Algebra	3	Creative Arts: MUSI 131 Intro to Music	3
	Natural Science Area: BIOL 143 Survey of Life Science	3	Natural Science Area: GEOL 141 Intro to the Earth	3
	Major Lab Requirement	0	Major Lab Requirement	0
	Institutional Options Area: HIST 281 Intro African American History	3	Social & Behavioral Sciences Area: SOC 238 Intro to Anthropology	3
	Major requirements: SOC 157 Intro to Sociology	3	Major requirements: SOC 158 Contemporary Issues in Society	3
			Other requirements: MATH 135 Math for Business and Economic Analysis	3
	15 hrs		18 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Gov/Political Science Area: POLS 235 American Government	3	Gov/Political Science Area: POLS 236 Texas Government	3
	American History Area: HIST 231 Social and Political History of the US to 1877	3	American History Area: HIST 232 Social and Political History of the US since 1877	3
	Language, Philosophy & Culture: ENG 230 or ENG 231 or ENG 235 or ENG 244	3	Institutional Options Area: SC 135 Bus and Professional Com or SC 136 Public Address	3
	Major requirements: SOC 254 Black Perspectives in Sociology	3	Major requirements: SOC 221 Human Sexuality or Soc 257 School Sociology	3
	Other Requirements: Foreign Language	3	Other Requirements: SOC 141 Texas: A Multicultural State	3
			Other Requirements: Foreign Language	3
	15 hrs		18 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Major requirements: SOC 354 Sociological Statistics	3	Major requirements: SOC 359 Sociological Research	3
	Major requirements: SOC 357 Sociological Theory	3	Major requirements: SOC 457 Modern Sociological Theory	3
	Minor Requirements	3	Major requirements: SOC 300 or 400 Level Elective	3
	Minor Requirements	3	Minor Requirements	3
	Other Requirements: HED 233 History and Principles of Health	2	Minor Requirements	3
	Other Requirements: ECON 231 Principles of Economics I	3		
	17 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Minor Requirements	3	Elective	3
	Minor Requirements	3	Elective	3
	Minor Requirements	3	Major requirement: Soc 458 Applications in Sociology	3
	Major requirement: SOC 450 Seminar in Methodology	3	Major requirements: SOC 300 or 400 Level Elective	3
	12 hrs		12 hrs	

DEPARTMENT OF VISUAL AND PERFORMING ARTS

The Department of Visual and Performing Arts (VPA) 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 Department offers two degrees, the **Bachelor of Arts (B.A.) Degree in Art** with concentrations in Art History/Art Education, Design/Printmaking, Drawing/Painting, or Ceramics/Sculpture and the **Bachelor of Arts (B.A.) Degree in Theatre** with concentrations in Performance or Technical. **Minors in both Art and Theatre areas are offered 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 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. As Visual and Performing Arts students matriculate, creativity and intellectual curiosity will mature along with developing the skill sets needed 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 artists, performing artists, and creative craftsmen develop in the understanding and mastering of critical inquiry techniques. All VPA students gain an appreciation of the cultural, historical, and educational values of the arts. The Department of Visual and Performing Arts is an environment 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 course requirements dependent upon the concentration, or minor selected. **All courses designated as either major or minor courses must be completed with grades of “C” or better. 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; satisfy all placement testing requirements; eradicate deficiencies assessed through placement test scores; petition the Department for admission as placement requirements are completed; and 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.

The minor in Art requires 21 semester credit hours through enrollment in the following: ART 131 (3 credits); ART 133 (3 credits); ART 201 (0 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.

The minor in Visual and Performing Arts requires 21 semester credit hours through enrollment in the following: ART 131 (3 credits), ART 201 (0 credit), ART 133 (3 credits), and ART 137, 139, 235 or 236 (3 credits) and THC 130 (3), THC 231 (3), THC 337, or 338 (3 credits) and 438 (3 credits). The minimum grade requirement for each of these courses is referenced above.

The minor in Theatre requires 21 semester credit hours 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, meet their placement testing responsibility, and adhere to admission and graduation requirements specified in this section.

Visual and Performing Arts majors and minors are assigned a Faculty Advisor. To ensure proper progression towards graduation VPA majors and minors are required to receive advisement at least once each semester. An exit examination is required of all graduating seniors. For additional information, students should contact the Department Chair at (713) 313-7677, or the Department Office at (713) 313-7337.

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 Interim Department Chair 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>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>
<p>Cyrus, Jamal Visiting Professor B.F.A., University of Houston M.F.A., University of Pennsylvania</p>	

ART COURSES

- ART 130** **Introduction to Visual Art** **(3)**
A three credit hour lecture course for the non-art major. The course surveys the visual fine arts by identifying the different types, the intended purpose and the artists who create them. Artists, artworks, and artistic styles are studied in an art historical and cultural context. Extra consideration includes artists and artworks on the Texas Southern University campus. Attention is also given to artworks concerning gender, political and cultural themes. Does not satisfy art major requirements. **Listed as Arts 1301 in the Texas Common Course Numbering System.**
- ART 131** **Drawing and Composition I** **(3)**
Basic principles of drawing and composition incorporating the elements and principles of art to provide opportunities for self-expression through the use of varied drawing media and subject matter. Six hours of laboratory per week. **Listed as ARTS 1316 in the Texas Common Course Numbering System.**
- ART 132** **Drawing and Composition II** **(3)**
Continuation of ART 131 with emphasis on the human figure. Six hours of laboratory per week. Prerequisite: ART 131. **Listed as ARTS 1317 in the Texas Common Course Numbering System.**
- ART 133** **Creative Design I** **(3)**
Design fundamentals with emphasis on the nature of materials and color theory. Six hours of laboratory per week. **Listed as ARTS 1311 in the Texas Common Course Numbering System.**
- ART 134** **Creative Design II** **(3)**
Continuation of ART 133 with emphasis on 3-D applications. Six hours of laboratory per week. **Listed as ARTS 1312 in the Texas Common Course Numbering System.**
- ART 135** **Topics in Contemporary Art and Culture** **(3)**
Introduction to all visual art with special topics in contemporary art and their relationships to cultural issues. Basic elements of sculpture, painting, architecture, performance art, environmental art, computer art, and ceramics are discussed and examined. Three hours of lecture per week. Required for art majors. **Listed as Arts 1304 in the Texas Common Course Numbering System.**
- ART 137** **Introduction to African Art** **(3)**
Fundamentals of African art as related to the philosophies which developed the cultures of the Nile River, the Sahara, the Coastal Forest, and the Savannah. Royal court art, functional art, architecture, decorative adornment, and art as a symbol of rites of passage are examined. Three hours of lecture per week.
- ART 139** **African-American Art and Culture** **(3)**
Analysis of the roots of African-American creativity along with an examination of nineteenth century African-American artists and their relationship to Europe, the Harlem Renaissance, the Sixties, and the emergence of African-American artists in Texas. Three hours of lecture per week.
- ART 201** **Art Seminar** **(0-1)**
A seminar course for majors and minors to present their work for regular critiques. Enrichment and professional experiences presented are by faculty and visiting artists. Career and graduate school are emphasized for juniors and seniors. Must be repeated for up to 4 semester credits earned by Juniors/Seniors. During freshman and sophomore years of enrollment, counted as 0 credit and pass (p)/fail (f) only. One hour of lecture per week.

- 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 as a matter of record. May be repeated up to three enrollments. **Listed as ARTS 2389 in the Texas Common Course Numbering System.**
- 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. **Listed as ARTS 2323 in the Texas Common Course Numbering System.**
- 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. **Listed as ARTS 2324 in the Texas Common Course Numbering System.**
- 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. **Listed as ARTS 2326 in the Texas Common Course Numbering System.**
- ART 332 Sculpture II (3)**
Continuation of ART 331. Six hours of laboratory per week. Prerequisite: ART 331. **Listed as ARTS 2326 in the Texas Common Course Numbering System.**
- 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. **Listed as Arts 2333 in the Texas Common Course Numbering System.**
- 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 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.	(3)
ART 371	Studies in Art II 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.	(3)
ART 400	Exhibition 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.	(3)
ART 402	Independent Study in Art Research 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. Listed as ARTS 2389 in the Texas Common Course Numbering System.	(3)
ART 431	Advanced Drawing I 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.	(3)
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 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 200	Independent Study: Lower Division Independent study in performance or technical theatre.	(3)
THEA 231	Elements of Acting (Acting I) 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.	(3)
THEA 240	Oral Interpretation 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: Consent of the instructor.	(3)
THEA 251	Scene Design 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.	(3)
THEA 331	Intermediate Acting 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.	(3)
THEA 332	Playwriting 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: THE 130 or consent of the instructor.	(3)
THEA 334	Play Directing 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: THE 231 or consent of the instructor.	(3)
THEA 337	History of Theatre I Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.	(3)

THEA 338	History of Theatre II English and Continental theatre from the 17th century to the 20th century. Three hours of lecture per week.	(3)
THEA 341	Stage Makeup 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.	(3)
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 400	Independent Study: Upper Division Independent study in performance or technical theatre.	(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 450	Problems in Theatre Problems of current concern in theatre; topics vary according to time and instructor. May be repeated as topics change. Two hours of lecture and two hours of laboratory per week. Prerequisite: Consent of the instructor.	(3)
THEA 451	Advanced Design and Technology Guided projects in student's 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 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 491** **Senior Project for Theatre Minors** **(3)**
Design and production of one complete project in student's area of expertise. Includes. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.
- THEA 497** **Research in Theatre Performance or Technical Theatre** **(3)**
Open to senior majors only. Prerequisites: Consent of the instructor and the Faculty Chair.
- THEA 498** **Theatre Internship** **(3)**
Students complete internships at local professional theatres. Emphasis is on the development of professional practices and experiences. Open to senior majors only. Prerequisites: THEA 497, consent of the instructor, and the Faculty Chair.
- THEA 499** **Senior Project for Theatre Majors** **(3)**
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.

**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 371 (3)	
MATH 132 (3) or MATH 133 (3)	MATH 1322 or MATH 1314		ART 435 (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 339 (3)		
POLS 235 (3)	GOVT 2305	ART 400 (3)		
POLS 236 (3)	GOVT 2306	ART 434 (3)		
Social and behavioral sciences:				

Institutional Options:				
ART 139(3)	HUMA2319			
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 DEGREE
IN ART WITH MINOR WITHOUT CONCENTRATION
DEGREE PLAN
TOTAL CREDITS = 121**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
MATH 132 or 133		3	ART 135 Topics in Contemporary Art/Culture	3
CHEM 131 or BIOL 143		3	GEOL 141	3
Social & Behavioral Sciences Area		3	Art 139 African American Art and Culture	3
Art 131 Drawing and Composition I		3	Art 132 Drawing and Composition II	3
Art 201 Art Seminar		0	Art 201 Art Seminar	0
		15 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235	3	POLS 236
HIST 231		3	HIST 232	3
ENG 2XX		3	ART 233 Intro to Computer Generated Art	3
ART 133 Creative Design I		3	ART 134 Creative Design II	3
ART 231 Elementary Painting I		3	ART 232 Elementary Painting II	3
ART 201 Art Seminar		0	ART 201 Art Seminar	0
		15 hrs		15 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ART 201 Art Seminar	1	ART 201 Art Seminar
ART 235 Art History I		3	ART 236 Art History II	3
ART 321 Life Sketch I		3	ART 322 Life Sketch II	3
ART 331 Sculpture I		3	ART 335 Intermediate Painting I	3
ART 434 Mural Painting		3	ART 337 Printmaking I	3
ART 137 Intro to African Art		3	ART 339 2-D Art and Artists	3
		16 hrs		16 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ART 201 Art Seminar	1	ART 201 Art Seminar
Minor Requirements		3	Minor Requirements	3
Minor Requirements		3	Minor Requirements	3
Minor Requirements		3	Minor Requirements	3
Major - ART 237 or ART 371 or Art 435		3	Minor Requirements	3
			Major ART 400 - Exhibition	3
		13 hrs		16 hrs

**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
<u>Communication:</u>		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)
<u>Mathematics:</u>			ART 435 (3)	ART 436 (3)
MATH 132 (3) or MATH 133 (3)	MATH 1322 or MATH 1314			UPPER ELECTIVE (6)
<u>Life and physical sciences:</u>		ART 201 taken 8x for a total of (4)		DESIGN/ PRINTMAKING: ART 303 (3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 231 (3)		ART 336 (3)ART 431 (3)
GEOL 141 (3)	GEOL 1303	ART 232 (3)		ART 432 (3)
<u>Language, philosophy, and culture:</u>		ART 235 (3)		ART 433 (3)
ENG 2xx (3) ***		ART 236 (3)		UPPER ELECTIVE (6)
<u>Creative arts:</u>		ART 321 (3)		DRAWING/PAINTING
ART 135 (3)	ARTS 1301	ART 322 (3)		ART 303 (3)
<u>American history:</u>		ART 331 (3)		ART 336 (3)
HIST 231 (3)	HIST 1301	ART 335 (3)		ART 431 (3)
HIST 232 (3)	HIST 1302	ART 337 (3)		ART 432 (3)
<u>Government/political science:</u>		ART 339 (3)		ART 433 (3)
POLS 235 (3)	GOVT 2305	ART 400 (3)		UPPER ELECTIVE (6)
POLS 236 (3)	GOVT 2306	ART 434 (3)		
<u>Social and behavioral sciences:</u>				

<u>Institutional Options:</u>				
ART 139 (3)	HUMA 2319			
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.

^ 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 DEGREE
IN ART WITH CONCENTRATION AND WITHOUT MINOR
DEGREE PLAN
TOTAL CREDITS = 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131	3	ENG 132	3	
	MATH 132 or MATH 133	3	ART 135 Topics in Contemporary Art/Culture	3	
	CHEM 131 or BIOL 143	3	GEOL 141	3	
	ART 201 Art Seminar	0	ART 201 Art Seminar	0	
	Social & Behavioral Sciences Area	3	ART 139 African American Art and Culture	3	
	ART 131 Drawing and Composition I	3	ART 132 Drawing and Composition II	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235	3	POLS 236	3	
	HIST 231	3	HIST 232	3	
	ENG 2XX	3	ART 233 Intro to Computer Generated Art	3	
	ART 133 Creative Design I	3	ART 134 Creative Design II	3	
	ART 231 Elementary Painting I	3	ART 232 Elementary Painting II	3	
	ART 201 Art Seminar	0	ART 201 Art Seminar	0	
		15 hrs		15 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ART 201 Art Seminar	1	ART 201 Art Seminar	1	
	ART 235 Art History I	3	ART 236 Art History II	3	
	ART 321 Life Sketch I	3	ART 322 Life Sketch II	3	
	ART 331 Sculpture I	3	ART 335 Intermediate Painting I	3	
	ART 434 Mural Painting	3	ART 337 Printmaking I	3	
			ART 339 2-D Art and Artists	3	
		13 hrs		16 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Major - ART 237 or ART 371 or ART 435	6	Concentration Requirement	3	
	ART 201 Art Seminar	1	ART 201 Art Seminar	1	
	Concentration Requirement	3	Concentration Requirement	3	
	Concentration Requirement	3	Concentration Requirement	3	
	Concentration Requirement	3	Concentration Requirement	3	
			Major Art 400 - Exhibition	3	
		16 hrs		16 hrs	

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE
IN ART TEACHER CERTIFICATION CONCENTRATION
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR	OTHER REQUIREMENTS	CONCENTRATION
42 credits	EQUIVALENT	52 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 133, 134 or MATH 135 (3) ***	MATH 1314, 1324 or 2312			EDCI 210 (3)EDCI 310 (3)
Life and physical sciences:		ART 201 taken 7x 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 401 (3)
GEOL 141 (3)	GEOL 1303	ART 232 (3)		EDCI 468 (6)
Language, philosophy, and culture:		ART 235 (3)		ART Studies / Ce rficiation
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:				
PSY 131 (3)	PSYC 2301			
Institutional Options:				
ART 139 (3)	HUMA 2319			
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 DEGREE
IN ART WITH TEACHER CERTIFICATION CONCENTRATION
DEGREE PLAN
TOTAL CREDITS - 127**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 133, 134, 135	3	ART 135	3
	CHEM 131 or BIOL 143	3	GEOL 141	3
	PSY 131	3	ART 139 African American Art and Culture	3
	ART 131 Drawing and Composition I	3	ART 132 Drawing and Composition II	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	1
	15 hrs		16 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 23X	3	ART 233 Intro to Computer Generated Art	3
	ART 133 Creative Design I	3	ART 134 Creative Design II	3
	ART 201 Art Seminar	0	Art 201 Art Seminar	0
	ART 231 Elementary Painting I	3	ART 232 Elementary Painting II	3
ART 235 Art History I	3			
	18 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ART 201 Art Seminar	1	ART 201 Art Seminar	1
	ART 237 Ceramics and Pottery I	3	ART 236 Art History II	3
	ART 321 Life Sketch I	3	ART 335 Intermediate Painting I	3
	ART 331 Sculpture I	3	ART 337 Printmaking I	3
	ART 434 Mural Painting	3	ART 339 2-D Art and Artists	3
EDCI 210 Instructional Technology I	3			
	13 hrs		16 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ART 201 Art Seminar	1	ART 402 Independent Studies in Art Research	3
	EDCI 310 Principle. and Found.of Education	3	EDCI 328 Psy of Learning, Growth and Development.	3
	EDCI 339 Classroom Management	3	EDCI 350 Designing & Implementing Inst	3
	ART 370 Studies in Art I	3	RDG 401 Read for Diverse Populations	3
ART 137 Intro to African Art	3	Major ART 400 - Exhibition	3	
	16 hrs		16 hrs	

CURRICULUM SUMMARY FOR MINOR IN ART
TOTAL CREDITS REQUIRED: 21

REQUIRED COURSES	UPPER LEVEL ELECTIVES
13 credits	9 credits
Art 131 Drawing (3)	Art 339 Two Dimensional Art & Artists
Art 133 Design (3)	Art 370 Studies in Art
Art 201 Seminar (0)	Art 371 Studies in Art II
Art History Choice (3) 135, 137, 139, 235, 236	Art 331 Sculpture
ART 231 Elementary Painting I (3)	Art 337 Printmaking
	Art 402 Independent Study in Art Research
	Art 436 Three Dimensional Art & Artists
	Art 339 Two Dimensional Art & Artists

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE
IN THEATRE WITH PERFORMANCE CONCENTRATION
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 (3)THEA 240 (3)		SC 140 (3) THEA 331 (3)THEA 431 (3)
Mathematics:		THEA 251 (3)		PE 108 (1)
MATH 132 (3) or MATH 133 (3) ***	MATH 1322 or MATH 1314	THEA 332 (3)THEA 334 (3)		MUSI 173 (1)MUSI 174 (1)
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 230 1 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)ART 135	MUSI 1301/ ART 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: THEA 430, 436, 450, 451, 457, 458

*****Approved electives for Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458.

**BACHELOR OF ARTS DEGREE
IN THEATRE WITH PERFORMANCE CONCENTRATION
- DEGREE PLAN
TOTAL CREDITS - 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English	3	ENG 132 Freshman English II	3	
	MATH 132 or 133	3	THEA 130 Introduction to Theatre	3	
	BIOL 143 or CHEM 131	3	BIO 135 or CHEM 132 or PHYS 237	3	
	HIST 281 Intro to African American History	3	Social and Behavioral Sciences****	3	
	THEA 151 Basic Technical Theatre	3	MUSI 131 Intro to Music	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235	3	POLS 236	3	
	HIST 231	3	HIST 232	3	
	ENG 2xx***	3	CS 116 or ART 233	3	
	SC 140 Voice and Diction	3	THEA 251 Scene Design	3	
	THEA 231 Elements of Acting	3	THEA 240 Oral Interpretation	3	
	THEA 111 Production Practicum	1	THEA 111 Production Practicum	1	
		16 hrs		16 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	THEA 332 Playwriting	3	THEA 331 Intermediate Acting	3	
	THEA 337 History of Theatre I	3	THEA 338 History of Theatre II	3	
			THEA 497 Research Topics	3	
	MUSI 173 Voice I	1	MUSI 174 Voice II	1	
	Foreign Language	3	Foreign Language	3	
	THEA 111 Production Practicum	1	THEA 351 Stage Lighting	3	
	PE 108	1	THEA 111 Production Practicum	1	
		12 hrs		17 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Approved Elective****	3	THEA 334 Play Directing	3	
	THEA 339 African American Theatre	3	Approved Elective****	3	
	Approved Elective****	3	THEA 431 Styles of Acting	3	
	THEA 341 Stage Makeup	3	THEA 438 Modern Drama	3	
	THEA 498 Internship	3	THEA 499 Senior Project	3	
		15 hrs		15 hrs	

**BACHELOR OF ARTS DEGREE
IN THEATRE WITH TECHNICAL CONCENTRATION
- DEGREE PLAN
TOTAL CREDITS - 121**

		FIRST SEMESTER		SECOND SEMESTER	
First Year	ENG 131 Freshman English	3	ENG 132 Freshman English II	3	
	MATH 132 or 133	3	THEA 130 Introduction to Theatre	3	
	BIOL 143 or CHEM 131	3	BIO 135 or CHEM 132 or PHYS 237	3	
	HIST 281 Intro to African American History	3	Social and Behavioral Sciences****	3	
	THEA 151 Basic Technical Theatre	3	MUSI 131 Intro to Music	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	POLS 235	3	POLS 236	3	
	HIST 231	3	HIST 232	3	
	ENG 2xx***	3	CS 116 or ART 233	3	
	SC 140 Voice and Diction	3	THEA 251 Scene Design	3	
	THEA 231 Elements of Acting	3	THEA 240 Oral Interpretation	3	
	THEA 111 Production Practicum	1	THEA 111 Production Practicum	1	
	16 hrs		16 hrs		
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	THEA 332 Playwriting	3	THEA 331 Intermediate Acting	3	
	THEA 337 History of Theatre I	3	THEA 338 History of Theatre II	3	
			THEA 497 Research Topics	3	
	MUSI 173 Voice I	1	MUSI 174 Voice II	1	
	Foreign Language	3	Foreign Language	3	
	THEA 111 Production Practicum	1	THEA 351 Stage Lighting	3	
	PE 108	1	THEA 111 Production Practicum	1	
	12 hrs		17 hrs		
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	Approved Elective****	3	THEA 334 Play Directing	3	
	THEA 339 African American Theatre	3	Approved Elective****	3	
	Approved Elective****	3	THEA 431 Styles of Acting	3	
	THEA 341 Stage Makeup	3	THEA 438 Modern Drama	3	
	THEA 498 Internship	3	THEA 499 Senior Project	3	
	15 hrs		15 hrs		

*Student 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 Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458

**CURRICULUM SUMMARY FOR MINOR IN THEATRE
TOTAL CREDITS REQUIRED: 21**

REQUIRED COURSES
15 credits
THEA 130 (3) Introduction to THEATRE
THEA 145 (3) Basic Technical THEATRE
THEA 231 (3) Elements of Acting
THEA 231 (3) Elements of Acting
THEA 337 or 338 (3) History of THEATRE I or II
THEA 331 (3) Senior Project for THEATRE Minors
THEA 490 (5) Senior Project for THEATRE Minors
Approved Elective (3)***
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.

**CURRICULUM SUMMARY FOR MINOR IN VISUAL AND PERFORMING ART
TOTAL CREDITS REQUIRED: 21**

REQUIRED COURSES	UPPER LEVEL ELECTIVES
13 credits	9 credits
Art 131 Drawing (3)	THEA 130 (3)
Art 133 Design (3)	THEA 231 (3)
Art 201 Seminar (0)	THEA 337 or THEA 338 (3)
Art History Choice (3) 135, 137, 139, 235, 236	THEA 438 (3)



BARBARA JORDAN – MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

BARBARA JORDAN – MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

An extensive set of curricular offerings is provided through the Barbara Jordan – Mickey Leland School of Public Affairs (BJML) 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 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, environmental racism, Diaspora studies, environmental planning, economic development and the fiscal responsibility of urban governments, sustainability, 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 & Professor – Political Science B.A., - University of Iowa M.A. – The 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 Associate Professor & Department Chair – Administration of Justice B.A., M.A., Ph.D., York University</p>	<p>Christophe, Antoinette Associate Professor – Political Science B.S., M.S., Southern University M.S., Louisiana State University Ph.D., Southern University</p>
<p>Chun, Bumseok Assistant Professor – Urban Planning & Environmental Policy B.E., Inha University M.S., The Ohio State University M.C.R.P., Ohio State University Ph.D., Ohio State 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>Drake, Jasmine Assistant Professor – Administration of Justice B.S., Southern University Ph.D., Louisiana State 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>Gilbert, Sharlette A. Associate 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>Henderson, Howard Professor – Administration of Justice B.S., Middle Tennessee State M.C.J., Tennessee State University Ph.D., Sam Houston State University</p>	<p>Herrington, Theophilus Associate Professor – Political Science B.A., Fort Valley State University M.A., University of Illinois at Champaign-Urbana Ph.D., University of Illinois at Champaign-Urbana</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>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>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>Majumdar, Sarmistha Associate 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>Mozayani, Ashraf Executive Director of Forensic Sciences/ Professor - Administration of Justice PharmD. University of Tehran, Iran Ph.D., University of Alberta</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 State University</p>
<p>Nayer, Gautam Associate 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 Associate Professor – Political Science B.A., Obafemi Awolowo University, Ile-Ife, Nigeria M.P.A., Texas Southern University Ph.D., Texas Southern University</p>
<p>Onwudiwe, Ihekwoaba Professor & Department Chair – Administration of Justice B.A., Central State University M.S., Ph.D., Florida State 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>Robinson, Carroll G. Associate Professor – Political Science B.A., Stockton State College J.D., George Washington University</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>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>Solitare, Laura Associate Professor – Urban Planning & Environmental Policy B.S., University of Connecticut M.U.R.P., Virginia Commonwealth University Ph.D., Rutgers University</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 an elective 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.

MSCI 121	Introduction to Army and Marksmanship 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.	(2)
MSCI 122	Survival and Unarmed Self-Defense 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.	(2)
MSCI 221	Military Leadership Development Introduction to leadership, problem analysis, decision making, oral communication, first aid, land navigation, basic radio communications, marksmanship, and repelling. Fitness training and laboratory required.	(2)
MSCI 222	Military Leadership Development Continuation of MSCI 221. Fitness training and laboratory required.	(2)
MSCI 241	Basic Camp 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.	(4)
MSCI 331	Advanced Military Science 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.	(3)
MSCI 332	Advanced Military Science 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.	(3)
MSCI 431	Advanced Military Science 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.	(3)
MSCI 432	Advanced Military Science Continuation of MSCI 431. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.	(3)

AIR FORCE LEADERSHIP COURSES

AFSC 1201:	Foundations of the USAF I 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.	(2)
AFSC 1202:	Foundations of the USAF II 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.	(2)

- 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 (3)**
An introduction to naval traditions and customs, seamanship, naval organization and missions, and the fundamental concepts of sea power.
- NAVA 103: Sea Power and Maritime Affairs (3)**
Readings, discussions, and research on selected topics related to the history, importance, and impact of sea power on modern civilization.
- NAVA 203: Leadership Management I (3)**
An introduction to the principles and concepts of management, organization, leadership, information systems, and decision making.
- NAVA 301: Navigation (3)**
Marine navigators and laws of vessel operations. Includes coastal piloting, navigational aids, nautical astronomy, satellite and inertial systems, and rules of the nautical road.
- NAVA 302: Naval Operations and Seamanship (3)**
An analysis of ship movements, formations, and fleet operations. Includes Rules of the Road, maneuvering board, tactical publications and communications.
- NAVA 303: Evolution of Warfare (3)**
Historical survey of the evolution of the conduct of warfare. Strategy, tactics, weapons, organization, and military leaders/thinkers are studied.

- NAVA 304: Naval Weapons Systems (3)**
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.
- NAVA 403: Naval Engineering (3)**
Ship propulsion systems, auxiliary systems, steering systems, electrical power distribution, ship design, ship stability and damage control measures.
- NAVA 402: Leadership and Ethics (3)**
Leadership principles with particular emphasis on ethics, human resources management, military law and discipline, and administration.
- NAVA 410: Amphibious Warfare (3)**
Study of the history of amphibious warfare, using case studies to examine doctrine tactics, and the factors necessary for successful operations.

**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 REQUIREMENTS
42 credits	EQUIVALENT	33 credits	12 credits	21 credits
Communication:		AJ 100 (3)	Free Elective (3)	AJ 100 (3)
ENG 131 (3)	ENGL 1301	AJ 105 (3)	MATH 134 or higher	AJ 105 (3)
ENG 132 (3)	ENGL 1302	AJ 211 (3)	Foreign Language (3)	AJ 211 (3)
Mathematics:		AJ 220 (3)	Foreign Language (3)	AJ 220 (3)
MATH 132 or 133	MATH 1314	AJ 240 (3)		AJ 240 (3)
Life and physical sciences:		AJ 250 (3)		AJ 300/400 level
BIOL 143 (3) or CHEM 131 (3)	BIOL 1308 or CHEM 1311	AJ 301 (3) or PA 301 or POLS 301		AJ 300/400 level
GEOL 141	GEOL 1403	AJ 302 (3) or PA 302 or POLS 302		
Language, philosophy, and culture:		AJ 411 (3)		
ENG 2xx (3)		AJ 460 (3) or take	PA 450 or EMGT 480	
Creative arts:		AJ 499 (3)		
ART 135 (3) or ART 137 (3) or MUSI 131 (3) or MUSI 136 or MUSI 239 (3) or THEA 130 (3)	ARTS 1301 HUMA 2323 MUSI 1301 MUSI 1306 HUMA 1315 DRAM 1310	Plus 12 credits in the electives below Each course is 3 credit hours: AJ 300 AJ 310 AJ 313 AJ 321		Forensic Science Minor 21 credits
American history:		AJ 322 AJ 333		AJ 105 (3)
HIST 231 (3)	HIST 1301	AJ 334 AJ 335		FORS 226 (3)
HIST 232 (3)	HIST 1302	AJ 345 AJ 412		FORS 236 (3)
Government/political science:		AJ 430 AJ 441		FORS 326 (3)
POLS 235 (3)	GOVT 2305	AJ 450 AJ 452		AJ 411 (3)
POLS 236 (3)	GOVT 2306	AJ 453		FORS 416 (3)
Social and behavioral sciences:				AJ 300/400 Level (3)
PSY 131 (3) or SOC 157 (3) or SOC 158(3) or ECON 231 (3) or ECON 232 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOC 1301 or SO CI 1306 or ECON 230 1 ECON 230 2 SOC 2306 ANTH 2346 GEOG 1303			Air Force Leadership Minor 18 credits
Institutional Options:				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			Military Science Minor 21 credits
HIST 281 (3)	HIST 2381			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 1	3	ENG 132 Freshman English II	3	
	MATH 132 or 133	3	MATH 134 or higher	3	
	HIST 281 African American History	3	SC 135 or SC 136 Business and 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 Intro to Court Systems	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XX Any 200 Level ENG	3	Social and Behavioral Sciences	3	
	GEOL 141 Intro To the Earth	3	BIOL 143 Survey of Life Science	3	
	POLS 235 American Government	3	POLS 236 Texas Government	3	
	Foreign Language	3	Foreign Language	3	
	AJ 220 Intro.To Corrections	3	AJ 240 Intro Law Enforcement	3	
		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 or PA 301 or POLS 301	3	AJ 302 Quantitative Methods in Administration of Justice or PA 302 or POLS 302	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 (or PA 450 or EMGT 480)	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 American 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 (American 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).

- POLS 410 African American Politics (3)**
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.
- POLS 411 American Political Parties (3)**
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.
- POLS 412 Civil Rights (3)**
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.
- POLS 413 Constitutional Law (3)**
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.
- 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.

PA 401	Policy Process 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.	(3)
PA 410	Seminar in Public Affairs 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.	(3)
PA 450	Internship in Public Affairs 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.	(6)
PA 461	Supervised Independent Study 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.	(6)

EMERGENCY MANAGEMENT AND HOMELAND SECURITY COURSES

EMGT 101	Introduction to Incident Command Systems 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.	(3)
EMGT 250	Introduction to Emergency Management 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.	(3)
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 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.	(3)
EMGT 450	Seminar in Homeland Security 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.	(3)

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
<u>Communication:</u>		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 134 or higher (3)	POLS 390/391 (3)
<u>Mathematics:</u>		POLS 390 (3) or POLS 391(3)	POLS 301 or AJ 301 or PA 301	POLS 410 (3)
MATH 132 or 133	MATH 1314	POLS 410 (3)	POLS 302 or AJ 302 or PA 302	POLS 413 (3)
<u>Life and physical sciences:</u>		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)	
<u>Language, philosophy, and culture:</u>		POLS 310 (3)	Foreign Language (3)	PRE-LAW STUDIES MINOR
ENG 2xx (3)		POLS 311 (3)		18 credits
<u>Creative arts:</u>		POLS 320 (3)		AJ 211 (AJ 310 if AJ major)
ART 135 (3) or ART 137 (3) or MUSI 131 (3) or MUSI 136 or MUSI 239 (3) or THEA 130 (3)	ARTS 1301 HUMA 2323 MUSI 1301 MUSI 1306 HUMA 1315 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)
<u>American history:</u>		POLS 381 (3)		
HIST 231 (3)	HIST 1301	POLS 392 (3)		
HIST 232 (3)	HIST 1302	POLS 393 (3)		
<u>Government/political science:</u>		POLS 401 (3)		
POLS 235 (3)	GOVT 2305	POLS 403 (3)		
POLS 236 (3)	GOVT 2306	POLS 411 (3)		
<u>Social and behavioral sciences:</u>		POLS 412 (3)		
PSY 131 (3) or SOC 157(3) or SOC 158(3) or ECON 231 (3) or ECON 232 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOC 1301 or SOC 1306 or ECON 2301 ECON 2302 SOC 2306 ANTH 2346 GEOG 1303	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)	
<u>Institutional Options:</u>				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
HIST 281	HIST 2381			

**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 134 or higher	3
	HIST 281	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	SC 135 OR 136	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 or AJ 301	3	POLS 302 or PA 302 or AJ 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 REQUIREMENTS
42 credits	EQUIVALENT	36 credits	21 credits	21 credits
<u>Communication:</u>		PA 271 (3)	ECON 231 (3)	PA 271 (3)
ENG 131 (3)	ENGL 1301	PA 301 (3) or POLS 301 (3) or AJ 301	ECON 232 (3)	PA 311 (3)
ENG 132 (3)	ENGL 1302	PA 302 (3) or POLS 302 (3) or AJ 302	MATH 134 or higher (3)	PA 312 (3)
<u>Mathematics:</u>		PA 311 (3)	SOC 157 (3)	PA 313 (3)
MATH 132 or 133	MATH 1314	PA 312 (3)	Foreign Language (3)	PA 321 (3)
<u>Life and physical sciences:</u>		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)		
<u>Language, philosophy, and culture:</u>		PA 401 (3)		
ENG 2xx (3)		PA 410 (3)		
<u>Creative arts:</u>		PA 450 (3) or take	EMGT 480 or AJ 460	
ART 135 (3) or ART 137 (3) or MUSI 131 (3) or MUSI 136 or MUSI 239 (3) or THEA 130 (3)	ARTS 1301 HUMA 2323 MUSI 1301 MUSI 1306 HUMA 1315 DRAM 1310			
<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>				
PSY 131 (3) or SOC 157 (3) or SOC 158 (3) or ECON 231 (3) or ECON 232 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOC 1301 or SOCI 1306 or ECON 230 1 ECON 230 2 SOC 2306 ANTH 2346 GEOG 1303			
<u>Institutional Options:</u>				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
HIST 281	HIST 2381			

**BACHELOR OF SCIENCE DEGREE IN PUBLIC AFFAIRS
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 134 or higher	3
	HIST 281	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	SC 135 or SC 136	2
	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 or AJ 301	3
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 231	3	ECON 232	3
	PA 302 or POLS 302 or AJ 302	3	PA 311	3
	PA 313	3	PA 312	3
	Minor	3	PA 321	3
	Minor	3	Minor	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PA 401	3	PA 400	3
	PA 450 (or EMGT 480 or AJ 460)	3	PA 410	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	FREE Elective	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
<u>Communication:</u>		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)	SOC 157 (3)	EMGT 480 (3)
<u>Mathematics:</u>		EMGT 351 (3)	MATH 134 or higher (3)	EMGT Elective (3)
MATH 132 or 133	MATH 1314	EMGT 357 (3)	Foreign Language (6)	EMGT Elective (3)
<u>Life and physical sciences:</u>		EMGT 480 (3) or PA 450 or AJ 460	PA 271 (3)	EMGT Elective (3)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 BIOL 1308	HMSC 260 (3)	POLS 301 or AJ 301 or PA 301	
GEO 141	GEO 1403	HMSC 361 (3)	POLS 302 or AJ 302 or PA 302	
<u>Language, philosophy, and culture:</u>		HMSC 362 (3)	Free Elective (3)	
ENG 2xx (3)		HMSC 363 (3)		
<u>Creative arts:</u>		Plus 18 credits in elec- tives from below		
ART 135 (3) or ART 137 (3) or MUSI 131 (3) or MUSI 136 or MUSI 239 (3) or THEA 130 (3)	ARTS 1301 HUMA 2323 MUSI 1301 MUSI 1306 HUMA 1315 DRAM 1310	EMGT 101 (3)EMGT 3 52 (3)EMGT 353 (3) EMGT 354 (3)EMGT 355 (3)		
<u>American History:</u>				
HIST 231 (3)	HIST 1301	EMGT 358 (3)		
HIST 232 (3)	HIST 1302	EMGT 400 (3)		
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305	EMGT 402 (3)		
POLS 236 (3)	GOVT 2306	EMGT 403 (3)		
<u>Social and behavioral sciences:</u>				
PSY 131 (3) or SOC 157 (3)α SOC 158(3)α ECON 231 (3) or ECON 232 (3)α SOC 221 or SOC 238 or GEOG 132	PSYC 2301or SOCL 1301 or SOCL 1306 or ECON 230 1 ECON 230 2 SOC 2306 ANTH 2346 GEOG 1303	HMSC 460 (3) GEOG 338 (3) JOUR 234 (3) HED 340 (3) HSEH 232 (3) MTMS 445 (3)		
<u>Institutional Options:</u>				
SC 135 (3) or SC 136 (3)	SPCH 1321 SPCH 1315			
HIST 281	HIST 2381			

**BACHELOR OF SCIENCE DEGREE IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 134 or higher	3
	HIST 281	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	SC 135 or SC 136	2
	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	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	PA 301 or POLS 301 or AJ 301	3	PA 302 or POLS 302 or AJ 302	3
	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	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EMGT 351	3	EMGT 480 or PA 450 or AJ 460	3
	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

COLLEGE OF PHARMACY AND HEALTH SCIENCES

OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: **Pharmaceutical and Environmental Health Sciences, Pharmacy Practice and Clinical Health Sciences, and Pharmacy Administration and Administrative 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. The Department of Pharmaceutical and Environmental Health Sciences offers the Bachelor of Science (B.S.) in Environmental Health. The Department of Pharmacy Administration and Administrative Health Sciences offers the B.S. in Health Administration and B.S. in Health Information Management. Additionally, the Department of Pharmacy Practice and Clinical Health Sciences offers the B.S. in Respiratory Therapy and the 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, Associate Dean for Clinical and Administrative Services, Assistant Dean for Student Services, 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 didactic academic matters of the College while the Associate Dean for Clinical and Administrative Services is responsible for all experiential training component academic matters, and in the absence of the Dean, are 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 Deans, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in the College of Pharmacy and Health Sciences buildings: Gray Hall and Nabrit Sciences Buildings.

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 (ACPE). 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 a 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 who have been accepted into the professional phase of one of the various degree programs. Pre-professional students must maintain a 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 College of Pharmacy and 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 College's Admissions and Academic Standards Committee 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 Admissions and Academic Standards Committee in the College through 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 the Admissions and Academic Standards Committee in the College through the 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 lack 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.

PHARMACEUTICAL AND ENVIRONMENTAL HEALTH SCIENCES

The Department of Pharmaceutical and Environmental Health Sciences, along with the Department of Pharmacy Practice and Clinical Health Sciences, 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, pharmaceuticals, pharmacokinetics, and integrated courses including pharmaceutical/medicinal chemistry, pathophysiology, and pharmacology.

The Department of Pharmaceutical and Environmental Health Sciences offers a B.S. in Environmental Health. 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.

Students should refer to program admission policies, comprehensive examination information, and other important information regarding the B.S. degree offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.

The Department of Pharmaceutical and Environmental Health 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 and Environmental Health Sciences. Students who are interested in pursuing a graduate degree in Pharmaceutical and Environmental Health 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 and Environmental Health 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 and Clinical Health Sciences (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 and Environmental Health 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>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>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>Mehta, Chander S. Professor Emeritus Pharmacology B.S., University of Bombay B.Pharm., Ph.D., Washington State University</p>
<p>Dupre, Brian Visiting Assistant Professor B.S., University of Texas at Austin Ph.D., University of Texas at Austin</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>Enigbokan, Mofolorunso A. Associate Professor Pharmacology B.S., M.S., Texas Southern University Ph.D., Howard University</p>	<p>Njie-Mbye, Ya Fatou</p>
<p>Eugere, Edward J. Professor Pharmacology B.S., Xavier University M.S., Wayne State University Ph.D., University of Connecticut</p>	<p>Olaleye, Omonike Associate Professor Pharmacology B.S., University of St. Thomas Ph.D., Johns Hopkins University</p>
<p>Felder, Tyrone B. Associate Professor Pharmaceutics B.S., Florida A & M University Ph.D., University of Kentucky</p>	<p>Ohia, Sunny E. Professor Pharmacology B.S., M.S., University of Ibadan Ph.D., University of Glasgow</p>
<p>Harris, Michael R. Visiting Assistant Professor B.S., Texas Southern University Ph.D., University of Texas at Austin</p>	<p>Oyekan, Adebayo O. Professor Pharmacology D.V.M., University of Nigeria Ph.D., University of London</p>

<p>Hayes, Barbara E. Professor Emeritus Pharmacology B.S., Texas Southern University M.S., Purdue University Ph.D., University of Houston</p>	<p>Ranganna, Kasturi Associate Professor Pharmaceutical Chemistry B.S., M.S., Bangalore University Ph.D., Indian Institute of Sciences</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>Shivachar, Amruthesh Associate Professor Pharmaceutical Chemistry B.Sc., Sarada Vilas Science College M.Sc., Ph.D., University of Mysore</p>
<p>Xie, Huan Associate Professor Pharmaceutics B.S., Fudan University Ph.D., North Carolina State University</p>	<p>Thomas, Renard Associate Professor Environmental Health B.S., University of Houston M.S., Ph.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>Wells, Patrick Dean Emeritus B.S., Texas Southern University M.S., Ph.D., University of Nebraska at Lincoln</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.

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 426 Pathophysiology (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 428 Pharmacology (2)**
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.

PHAR 414	Pharmaceutics II – Laboratory Continuation of PHAR 413. Dosage form preparations and compounding techniques used for dispersed systems, semi-solids, suppositories, and solid dosages. Sterile admixture techniques including stability and sterility testing and dating, clean room requirements, and infusion devices will also be covered. Prerequisites: PHAR 433 and PHAR 413. Co-requisite: Successful completion of or concurrent enrollment in PHAR 434.	(1)
PHCH 410	Introduction to Medicinal Chemistry Introduction to Medicinal Chemistry Principles. Topics include structure activity relationships, drug metabolism and principles of drug discovery .Prerequisite: First professional year standing in the professional pharmacy program	(1)
PHCH 441	Biochemistry in Human Disease Chemistry of biomacromolecules (e.g., proteins, lipids, carbohydrates, and DNA). Enzymology, metabolic pathways to energy utilization, nucleic acid metabolism, and recombinant DNA technology. Prerequisite: First professional year standing in the professional pharmacy program.	(4)
PHAR 539	Pharmaceutics III - Pharmacokinetics Basic principles of in vivo drug kinetics (linear and nonlinear), principles of bioavailability/bioequivalence, and factors that affect bioavailability of a drug such as physio-chemical properties, dosage formulations, and physiological factors. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 519.	(3)
PHAR 519	Pharmaceutics III – Recitation Examples and problems utilizing pharmacokinetic principles as applied to drug therapy. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 539.	(1)
Phar 530	Principles of Drug Action I An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the nervous and renal systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite: Completion of all 400 level courses in the professional pharmacy program	(3)
PHAR 538	Principles of Drug Action III Continuation of PHAR 439. Interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the eye, ear, nose, and throat, integumentary system, and endocrine system. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 518.	(3)
PHAR 518	Principles of Drug Action III – Laboratory/Recitation Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 538. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 538.	(1)
Phar 541	Principles of Drug Action II An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understanding the basis of drug use in diseases of the cardiovascular and endocrine systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite/Co-Requisite: Completion of all 400 level courses and Fall semester P2 professional pharmacy courses.	(4)

- 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 648 Principles of Drug Action III (4)**
An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understand the basis of drug use in infectious diseases, immune/respiratory systems disorders. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Completion of all 500 level courses
- Phar 649 Principles of Drug Action IV (2)**
An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understand the basis of drug use in infectious diseases, immune/respiratory systems disorders. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite/Corequisite: Completion of all 500 level courses and fall P3 professional pharmacy courses

For degree plan and curriculum, please see the Department of Pharmacy Practice .

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** **(3)**
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.
- HSEH 339** **Air Pollution and Control** **(3)**
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.
- HSEH 344** **Environmental Chemistry** **(4)**
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.
- HSEH 425** **Insect and Vector Control** **(3)**
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.

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 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.	(3)
HSEH 460	Internship 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.	(6)

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN ENVIRONMENTAL HEALTH
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Environment Health)	OTHER REQUIREMENTS	
42 credits	EQUIVALENT	63 credits	28 credits	
<u>Communication:</u>		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)	
<u>Mathematics:</u>		HSEH 235 (3)	BIOL 132 (3)	
MATH 133 (3)	MATH 1314	HSEH 334 (3)		
<u>Life and physical sciences:</u>		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)	
<u>Language, philosophy, and culture:</u>		HSEH 344 (4)	HSCR 150 (3)	
ENG 2xx (3) ***		HSEH 425 (3)	HSCR 260 (3)	
<u>Creative arts:</u>		HSEH 431 (3)	HSCR 360 (3)	
Visual & Performing	Arts (3)****	HSEH 432 (3)	PHYS 101 or HYS 237	/lab (4)
<u>American history:</u>		HSEH 433 (3)		
HIST 231 (3)	HIST 1301	HSEH 434 (3)		
HIST 232 (3)	HIST 1302	HSEH 435 (3)		
<u>Government/political science:</u>		HSEH 442 (3)		
POLS 235 (3)	GOVT 2305	HSEH 450 (3)		
POLS 236 (3)	GOVT 2306	HSEH 451 (3)		
<u>Social and behavioral sciences:</u>		HSEH 460 (6)		
Social & Behavioral	Sciences (3)*****		CHEM 111 (1)	
<u>Institutional Options:</u>			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: 128**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	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
	17 hrs		17 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 211 Organic Chemistry I Lab	1	POLS 232 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		
	PHYS 101 Prin of Phys Sci or PHYS 237 College Phys and lab 213	4		
	17 hrs		12hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HSEH 232 Introduction to Environmental Health	3	HSEH 347 General Microbiology	4
	HSEH 233 Epidemiology & Biostatistics	3	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
	HSEH 334 Public Health Organization	3		
	16 hrs		16 hrs	

	SUMMER ONE		SUMMER TWO	
		HSEH 460 Environmental Internship	3	HSEH 460 Environmental Internship
		3hrs		3hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER		
		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.

DEPARTMENT OF PHARMACY ADMINISTRATION AND ADMINISTRATIVE HEALTH SCIENCES

The Department of Pharmacy Administration and Administrative Health Sciences offers two baccalaureate or undergraduate degrees: **the Bachelor of Science (B.S.) in Health Administration and the B.S. in Health Information Management**. 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 **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.

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.

The Department of Pharmacy Administration and Administrative Health Sciences also offers Master of Science (M.S.) degree in Health Care Administration. Students who are interested in pursuing a graduate degree in Health Care Administration should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website (www.tsu.edu).

LISTING OF FACULTY IN THE DEPARTMENT

<p>Hawkins, Fanny Visiting Professor Health Information Management B.S., University of Southwestern Louisiana M.P.A., Ed.D., Texas Southern University</p>	<p>Rasmus, Monica L. Assistant Professor Health Administration B.S., Baylor University M.Ed, University of Houston M.P.H., Dr.PH., The University of Texas School of Public Health</p>
<p>James, Andrew B. Adjunct Professor Health Administration Dr. P.H., The University of Texas Health Science Center at Houston J.D., Texas Southern University L.L.M., University of Houston</p>	<p>Shelton, Andrea Professor Health Administration B.A., Howard University M.A., University of South Florida Ph.D., University of Pittsburgh</p>
<p>Lawson, Melanie W. Associate Professor Health Administration M.P.H., The University of Texas Health Science Center at Houston Ph.D., University of Houston</p>	

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 233 History and Sociology of Healthcare (3)**
An investigation of the historical aspects of health and healthcare via standards and cultures. Spring semester – 3 hours of lecture per week.
- HSHA 234 Healthcare Issues and Professionalism (3)**
Examination of professional behavior and expected skills for communication and problem solving in culturally diverse organizations and situations, with emphasis given to demonstrating learned skills and professional development in healthcare industry. 3 hours of lecture per week.
- HSHA 335 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 330 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 333 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 331 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 332 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 334 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 335** **Health Policy & the U.S. Healthcare System** **(3)**
 Course examines policy development at the federal, state and local levels, considering not only the determinants of health, but also the determinants of health policy, with emphasis on the roles of politics and economics in health care and health policymaking. Students demonstrate competencies to critique and modify policies according to stakeholders' interests. Spring semester – 3 hours of lecture per week.
- HSHA 336** **Research for Health Professionals** **(3)**
 Study of the basic techniques and principles of research, descriptive studies, probability, biostatistics, and comparative data used in decision making for health facilities and program implementation. Spring semester – 3 hours of lecture per week.
- HSHA 337** **Introduction to Human Resource Management in Health Care** **(3)**
 Introduction to the manager's role, management theories, and strategies in developing and sustaining a productive urban healthcare workforce in the context of diversity, ethical decision making, and cost constraints. Spring semester – 3 hours of lecture per week.
- HSHA 338** **Healthcare Finance & Economics II** **(3)**
 Applying principles of finance management: allocating resources, budgeting, and economic trending. Prerequisites: HSHA 333. Spring semester – 3 hours of lecture per week.
- HSHA 339** **Health Disparities** **(3)**
 An examination of the crucial role of the determinants of health and disease and the correlation to disproportionately poor health outcomes in vulnerable populations. Spring semester – 3 hours of lecture per week: 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 432** **Introduction to Health Care Organizations:
 Operations and Quality Control** **(3)**
 Development of practical skills to assess healthcare operations for quality control and improvement in systems and patient care. Spring semester – 3 hours of lecture per week.
- HSHA 433** **Strategic Planning and Marketing for Health Care Organizations** **(3)**
 Application of strategy methodology, discernment of stakeholders' roles in planning processes, and recognition of strategies used in obtaining market share especially in urban settings. Spring semester 3 hours of lecture per week.
- HSHA 434** **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 435** **Introduction to Global Health** **(3)**
Examination and comparison of various health systems around the world by evaluating countries according to their healthcare systems, socioeconomic status, workforce, history, government, and the challenges and opportunities for promoting the health of its citizens. Spring semester – 3 hours of lecture per week.
- HSHA 438** **Health Administration Independent Study** **(3)**
Independent study in an area of specialization in health administration. Can be: Required, Prescribed Elective, or Free Elective. 3 or 6 semester credit hours.
- HSHA 439** **Health Administration Capstone & Interprofessional Education**
Course develops professional skills, attitudes and competencies while fostering team-based analytical decision analysis of case-based health administration problems experienced in urban and other types of healthcare systems. Prerequisite: Enrollment approved by student’s advisor and program director. Spring/ Summer semester – 3 semester credit hours.
- 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 434** **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.

**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	HSHA 312 (3)	HSCR 300 (1)
Mathematics:		HSHA 313 (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 131 2	HSHA 411 (6)***	PA 301 (3)
Language, philosophy, and culture:		HSHA 412 (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 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		SECOND SEMESTER	
	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		FOURTH SEMESTER	
	HSHA 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	HSHA 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		SIXTH SEMESTER	
	HSCR 360 Principles of Disease	3	HSCR 361 Research for Health Professionals	3
	HSHA 312 Health administration In School Systems	3	HSHA 314 Finance and Economics for Health Care	3
	HSHA 313 Health Care of the Poor	3	HSHA 363 Ambulatory Health Care	3
	HSHA 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		EIGHTH SEMESTER	
	HSHA 412 Legal, Ethical and Biomedical Aspects of Health Care	3	HSHA 411 Health Administration Internship	6
	HSHA 413 Seminars in Comm. Health	3	Free Elective	3
	HSHA 414 Seminar in Issues in HC	3		
	HSHA 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)

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** **(1)**
 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.
- HSHI 473** **Quality Assurance Management** **(3)**
 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.
- HSHI 474** **Computerized Health Information Systems** **(3)**
 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.
- HSHI 475** **Directed Practice II** **(3)**
 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.
- HSHI 476** **Preceptorship** **(4)**
 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.
- HSHI 477** **Management of Health Information Systems** **(4)**
 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.
- HSHI 478** **Problems in Medical Records / Health Information Management** **(2)**
 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.
- HSHI 479** **Health Information Personnel Management** **(3)**
 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.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN HEALTH INFORMATION MANAGEMENT
TOTAL CREDITS REQUIRED: 134**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Health Information Management)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	45 credits	47 credits
<u>Communication:</u>		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
<u>Mathematics:</u>		HSHI 364 (3)	BIOL 132 (3) ²
MATH 133 (3)	MATH 1314	HSHI 364L (2)	BIOL 246 (4)
<u>Life and physical sciences:</u>		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)
<u>Language, philosophy, and culture:</u>		HSHI374 (2)	HSCR 360 (3)
ENG 2xx (3) ***		HSHI 401 (1)	HSCR 361 (3)
<u>Creative arts:</u>		HSHI 402 (1)	MATH 138 (3)
Visual & Performing	Arts (3)****	HSHI 473 (3)	MGMT 300 (3)
<u>American history:</u>		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)
<u>Government/political science:</u>		HSHI 477 (4)	FS 102 (1)+++
POLS 235 (3)	GOVT 2305	HSHI 478 (2)	
POLS 236 (3)	GOVT 2306	HSHI 479 (3)	
<u>Social and behavioral sciences:</u>			
Social & Behavioral	Sciences (3)*****		
<u>Institutional Options:</u>			
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 year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131/111 Biology Lecture/Lab	4	BIOL 132/112 Biology Lecture/Lab	4
	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		
	20hrs		19hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 135 Human Anatomy and Physiology	4	BIOL 136 Human Anatomy and Physiology II	4
	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	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HSCR 360 Principles of Disease	3	MGMT 301 Personnel and Manpower	3
	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	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HSHI 374 Management Health Data II	2	HSHI 402 Comprehensive HIM	1
	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	

CLINICAL LABORATORY SCIENCE COURSES

- CLSC 252 Serology Practices and Procedures (2)**
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.
- CLSC 252L Serology Practices and Procedures Laboratory (1)**
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.
- CLSC 304 Clinical Laboratory Science Application I (1)**
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.
- CLSC 305 Clinical Laboratory Science Application II (1)**
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.
- CLSC 306 Comprehensive Clinical Laboratory Science (1)**
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.
- CLSC 352 Hematology I (3)**
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.
- CLSC 352L Hematology Laboratory I (1)**
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.
- CLSC 353 Clinical Microscopy and Quality Control (3)**
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.

- CLSC 353L Clinical Microscopy and Quality Control Laboratory (1)**
 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.
- CLSC 354 Immunoematology I (2)**
 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.
- CLSC 354L Immunoematology I Laboratory (1)**
 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.
- CLSC 355 Medical Chemistry I (2)**
 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.
- CLSC 355L Medical Chemistry Laboratory I (1)**
 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.
- CLSC 356 Hemostatic Processes (3)**
 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.
- CLSC 356L Hemostatic Processes Laboratory (1)**
 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.
- CLSC 357 Practicum I (3)**
 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.
- CLSC 358 Clinical Immunology (2)**
 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.

CLSC 359	Microbial Human Disorders I	(3)
	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.	
CLSC 362	Hematology II	(2)
	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.	
CLSC 362L	Hematology II Laboratory	(1)
	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.	
CLSC 364	Immunoematology II	(2)
	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.	
CLSC 364L	Immunoematology II Laboratory	(1)
	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.	
CLSC 365	Medical Chemistry II	(2)
	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.	
CLSC 365L	Medical Chemistry II Laboratory	(1)
	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 365.	
CLSC 369	Microbial Human Disorders II	(2)
	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.	
CLSC 466	Clinical Hematology	(4)
	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.	

**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 Science)	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) or BIOL 344 or
Mathematics:		CLSC 305 (1)	BIOL 135 and 136 together
MATH 133 (3)	MATH 1314	CLSC 306 (1) spr. & (1) fall	BIOL 347 (4) or 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) or CHEM 445 L
Language, philosophy, and culture:		CLSC 353L (1)	CHEM 232 (3) or 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**

	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 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 e	3
		17 hrs		19 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 211 Organic Chemistry I Lab	1	CHEM 232/212 Organic Chemistry II or CHEM 445/445L Biochemistry
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	
	Summer	HSCR 360 Principles of Disease	3	
HSCR 260 Biomedical Ethics		3		
		6hrs		
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CLSC 252 Serology Practice & Procedures	2	CLSC 353 Clinical Microscopy & Quality Control
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		SUMMER	
	CLSC 356 Hemostatic Processes	3		
	CLSC 356L Hemostatic Processes Lab	1		
		4 hrs		

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	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.

RESPIRATORY THERAPY COURSES

- HSRT 220** **Respiratory Therapy Clinical Practicum** **(2)**
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.
- HSRT 222** **Developmental Practicum in Clinical Applications** **(2)**
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: HSRT232.
- HSRT 230** **Introduction to Respiratory Therapy** **(3)**
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.
- HSRT 231** **Cardiopulmonary Systems** **(3)**
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.
- HSRT 232** **Intermediate Clinical Applications** **(4)**
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.
- HSRT 307** **Respiratory Care Applications I** **(1)**
Applications and analyses of clinical data for presentation by respiratory care practitioners. One hour of lecture per week. Prerequisite: Consent of the Program Director.
- HSRT 308** **Respiratory Care Applications II** **(1)**
Continuation of HSRT 307 to include simulations and presentations. One hour of lecture per week. Prerequisite: Consent of the Program Director.
- HSRT 320** **Applied Procedures and Equipment - Clinical Practicum III** **(2)**
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.
- HSRT 321** **Respiratory Therapy Clinical Practicum IV** **(2)**
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.

- HSRT 322** **Respiratory Therapy Clinical Practicum V** **(2)**
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.
- HSRT 323** **Respiratory Therapy Clinical Practicum VI** **(2)**
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.
- HSRT 325** **Pediatric Clinical Practicum** **(2)**
Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Sixteen of laboratory per week. Co-requisite: HSRT 340.
- HSRT 330** **Applied Procedures and Equipment I** **(3)**
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.
- HSRT 331** **Theoretical and Applied Respiratory Therapy** **(3)**
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
- HSRT 332** **Applied Procedures and Equipment II** **(3)**
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.
- HSRT 333** **Cardiopulmonary Diseases** **(3)**
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, HSRT323, and HSRT 332.
- HSRT 334** **Respiratory Care Pharmacotherapy** **(3)**
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, HSRT222, HSRT 230, HSRT 231, and HSRT 232.

- HSRT 340 Neonatal and Pediatric Respiratory Care (3)**
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.
- HSRT 420 Comprehensive Respiratory Care (2)**
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.
- HSRT 435 Electrocardiographic Technology (3)**
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.
- HSRT 440 Respiratory Therapy Management I (4)**
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.
- HSRT 441 Respiratory Therapy Management II (4)**
Continuation of HSRT 440. Three hours of lecture and four hours of laboratory per week. Prerequisites: HSRT 440 and Consent of the Program Director.
- HSRT 453 Cardiopulmonary Technology (5)**
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.
- 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 16 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 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 45 3 (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 * * see options below	3	PHAR 212	1
	PSY 131 Psychology	3	HSCR 260	3
			FS 10 2 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.

PHARMACY PRACTICE AND CLINICAL HEALTH SCIENCES

The Department of Pharmacy Practice and Clinical Health Sciences, along with the Department of Pharmaceutical and Environmental Health 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 Clinical Health Sciences and other professional Pharmacy Practice and Clinical Health Sciences experiences in drug information and retrieval, pharmacy administration and jurisprudence and clinical research.

Members of the Department of Pharmacy Practice and Clinical Health Sciences are housed in Nabrit Sciences. The Department Office is located in Nabrit Science, Room 138. 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.

The Department of Pharmacy Practice and Clinical Health Sciences also offers baccalaureate or undergraduate degrees: **the Bachelor of Science (B.S.) in Clinical Laboratory Science, and the Bachelor of Science (B.S.) in Respiratory Therapy.**

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.

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

LISTING OF FACULTY IN THE DEPARTMENT

<p>Allen, Reginald Instructor Respiratory Therapy B.S., M.Ed., Texas Southern University</p>	<p>Mathur, Sondip K. Associate Professor Pharmacy Practice and Clinical Health Sciences B.A., Delhi University M.A., Cleveland State University Ph. D., Texas A&M University</p>
<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>Davis Shantera Assistant Professor Pharmacy Practice Pharm.D</p>	<p>Swan Joshua Assistant Professor Pharmacy Practice Pharm.D, University of Mississippi</p>
<p>Eaton, Angie Associate Professor Pharmacy Practice B.S., Southwest Texas State University Pharm.D., Texas Southern University</p>	<p>Taylor, Andrew Instructor Respiratory Therapy B.S., M.S., Texas Southern University</p>
<p>Estes, Flora Associate Professor Pharmacy Practice Pharm. D., Texas Southern 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>Hampton, Jean M. Associate Professor Respiratory Therapy B.S., M.S., Ph.D., Texas Southern University</p>	<p>Zagaar, Mundar Assistant Professor Pharmacy Practice Pharm.D., Ph.D., University of Houston</p>

<p>Hunter, Rodney Assistant Professor Pharmacy Practice Pharm.D, Texas Southern University</p>	<p>Capers, Willie Assistant Professor Pharm.D, Texas Southern University MBA</p>
<p>Stemley, Edward C., Jr. Associate Professor Pharmacy Practice and Clinical Health Sciences Pharm.D., Xavier University M.S., Ohio State University</p>	<p>McVea, Jackie Assistant Professor Clinical Laboratory Science B.S., M.Ed., Ed.D., Texas Southern University</p>
<p>Quiller, Dorothy Assistant Professor Clinical Laboratory Science B.S., M.Ed., Texas Southern University</p>	<p>Yeldell, Victor Instructor Respiratory Therapy B.S., Texas Southern University M.S., Mercer University</p>

CURRICULUM SUMMARY FOR THE DOCTOR OF PHARMACY DEGREE

TOTAL CREDITS REQUIRED: 232

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):
POLS 236 (3)	GOVT 2306	PHAR 610 (1)	PHAR 212 (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 Practice 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.

CURRICULUM SUMMARY (2016) FOR THE DOCTOR OF PHARMACY
DEGREE TOTAL CREDITS REQUIRED: 232

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Pharmacy)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	146 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), PADM 423 (2)	BIOL 131 (3)
Mathematics:		PHAR 401 (1), PHAR 426 (2)	BIOL 132 (3)
MATH 136 (3)	MATH 2312	PHAR 404 (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	Phar 442 (4), PHCH 410 (1)	CHEM 212, 232 (4)
Language, philosophy, and culture:		PHAR 405 (1), PHAR 428 (2)	MATH 231 (3)
ENG 2xx (3) ***			MATH 241 (4)
Creative arts:		PHAR 520 (2), PADM 515 (1)	PHYS 213 (1)
Visual & Performing	Arts (3)****	PHAR 504 (4), PHAR 501 (1)	PHYS 237 (3)
American history:		PHAR 539 (3), PHAR 519 (1)	CHEM 111 (1)
HIST 231 (3)	HIST 1301	PHAR 530 (3), PHAR 526 (2)	CHEM 112 (1)
HIST 232 (3)	HIST 1302	PHAR 541 (4), PHAR 527 (1)	FS 102
Government/political science:		PHAR 523 (2), PHAR 503 (3)	Freshman Seminar
POLS 235 (3)	GOVT 2305	PHAR 505 (3), PHAR 529 (2)	Electives (4):
POLS 236 (3)	GOVT 2306	PHAR 627 (2), PADM 630 (3)	PHAR 212 (1)
Social and behavioral sciences:		PHAR 637 (3), PHAR 638 (3)	PADM 428 (2) ++
Social & Behavioral	Sciences (3)*****	PHAR 620 (2), PADM 615 (1)	PHAR 429 (2) ++
Institutional Options:		PHAR 617(1), PHAR 648 (4)	HSHA 413 (3) ++
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	PHAR 639 (3), PHAR 621 (2)	HSHA 414 (3) ++
CS 116 (3)	COSC 1301	PHAR 621(1), PADM 634 (3)	
		PADM 621 (2), Phar 649 (2)	
		Phar 716 (1), Phar 717 (1)	
		Phar 718 (1)	
		Advanced Pharmacy Practice 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 PLAN (2016)
DEGREE PLAN TOTAL CREDITS: 232

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 hrs	

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	Phar 442 Evidence Based Practice & Biostatistics	4
	PHAR 423 Ethics in HealthCare	2	Phar 410 Introduction to Medicinal Chemistry	1
	Phar 401 Patient Assessment Lab	1	Phar 428 Pharmacology	2
	Phar 426 Pathophysiology	2	Phar 405 Public Health II: Immunizations	1
	Phar 404 Public Health I	1	Elective	2
	17 hrs		17 hrs	

Fourth Year- Second Professional Year	FALL SEMESTER		SPRING SEMESTER	
	Phar 504 Pharmacotherapy IA: Nervous System	4	PHAR 527 IPPEII : Community II	1
	PHAR 501 Pharmacotherapy IB: Renal Disorders	1	PHAR 523 Pharmacy Practice III-OTC Literature Evaluation	2
	PHAR 515 Professional Development Seminar I	1	PHAR 503 Pharmacotherapy IIA- Endocrine Systems Disorder	3
	PHAR 539 Pharmaceutics III - Pharmacokinetics	3	PHAR 505 Pharmacotherapy IIB- Cardiovascular Systems Disorders	3
	PHAR 519 Pharmaceutics III –Recitation	1	PHAR 529 Integrated Lab II	2
	PHAR 530 Principles of Drug Action I	3	PHAR 541 Principles of Drug Action II	4
	PHAR 520 Integrated Lab I	2	Elective	2
	P H A R 526 IPPEI : Community I	2		
	17 hrs		17 hrs	

Fifth Year-Third Professional Year	FALL SEMESTER		SPRING SEMESTER	
	PHAR 627 IPPE III- Health Care Systems	2	PHAR 649 Principles of Drug Action IV	2
	PHAR 637 Pharmacotherapy IIIA Immune System Disorders and Infectious Diseases	3	PHAR 639 Pharmacotherapy IV-Gastrointestinal System Disorders	3
	PHAR 638 Pharmacotherapy IIIB – Respiratory System Disorders	3	PHAR 621 Integrated Lab IV	1
	PHAR 620 Integrated Lab III	2	PHAR 628 IPPE IV – Health Care Systems	1
	PADM 615 Professional Development Seminar II	1	PADM 621 Economic and Humanistic Outcomes	2
	Phar 649 Principles of Drug Action III	4	PADM 630 Pharmacy Practice Management	3
	Phar 617 Medication Therapy Management	1	PADM 634 Jurisprudence	3
			Elective	2
	16 hrs		17 hrs	

REQUIRED SUMMER TERM²

SUMMER SEMESTER			
Advanced Pharmacy Practice Experience	12		
Phar 716 Research Seminar I	1		
	13 hrs		

Sixth Year- Fourth Professional Year	FALL SEMESTER		SPRING SEMESTER	
	Advanced Pharmacy Practice Experience	18	Advanced Pharmacy Practice Experience	18
	Phar 717 Research Seminar II	1	Phar 718 Research Seminar III	1
		19 hrs		19 hrs

1 A summer term is required to complete the pre-pharmacy curriculum in two years.

2A summer term is required to complete the Pharm.D. Curriculum



COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

The College of Science, Engineering and Technology (COSET) at Texas Southern University consists of 10 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, 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, thirteen 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	Bachelor of Science in Civil Engineering Bachelor of Science in Electrical and Computer Engineering 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, COSET 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 Department 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 H. O. Spearman Technology Building.

MISSION STATEMENT

The College of Science, Engineering 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, COSET has an additional service mission as stated below: to provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University; and 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: provide high quality instruction; perform basic and applied research; engage in community service; optimize enrollment of college-ready undergraduate students and enhance graduate student enrollment; strive for steady increase in external funding; and 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 national disciplinary accreditation as well. The Chemistry program is certified by the American Chemical Society. The Electronics Engineering Technology Program in the Department of Engineering 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 Aviation Science Management program in the Department of Aviation Science and Technology is accredited by ATMAE. The undergraduate flight concentration in the Department of Aviation Science and Technology is recognized by the Federal Aviation Administration, under Federal Aviation Regulation, Code of Federal Regulations Part 141.

ADMISSION POLICIES

Students (either new or transfer) wishing to enroll in one of the programs of study leading to one of the 11 undergraduate degrees offered through COSET 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 the 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 10 departments in the College once admitted. The 10 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, Engineering 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 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 GPA 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 GPA calculation. The academic

standing is determined at the end of each semester based on the institutional cumulative GPA at the end of that semester as well as the GPA earned during the semester. Good Academic Standing: A student who maintains an institutional cumulative GPA 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 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.
- Must complete an Academic Monitoring Form with their academic advisor and must receive approval from the Chair of their major department.
- 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 the Office of Student Services and Instructional Support in the Leonard Spearman Technology Building, room 150 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 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 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.
- Official transcripts showing at least a 2.50 GPA (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.

In the College of Science, Engineering and Technology, the process is as follows. 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 and Instructional Support, 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, Engineering 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, Engineering and Technology or the University Career Planning and Placement Center.

STUDENT ORGANIZATIONS

Student participation in a number of professional organizations and societies having student affiliated chapters on campus is encouraged. The principle organizations operating in the College are listed below:

- American Association of Airport Executives (AAAE)
- American Society of Civil Engineers (ASCE)
- American Chemical Society Student Chapter (ACS)
- American Design Drafting Association (ADDA)
- Associated General Contractors Student Chapter (AGC)
- Beta Beta Beta Biological Honor Society
- Beta Kappa Chi Scientific Honor Society
- Biology Undergraduate Student Association
- Chinese Students and Scholars Association (CSSA)
- Conference of Minority Transportation Officials (COMTO)
- Cyber Internet Security Student Association
- Environmental Student Club (ESC)
- Environmental Toxicology Graduate Students Association (ETGSA)
- Health Occupations Students of America (HOSA)
- Institute of Transportation Engineers (ITE)
- Intelligent Transportation Society of Texas (ITSA), TSU Student Chapter
- Minority Association of Pre-Medical Students (M.A.P.S.)
- Mobil Application Development (MAD) Group
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)
- National Society of Black Engineers (NSBE) Student Chapter
- National Technical Association (NTA) TSU Student Chapter
- Society of Urban Mathematics (SUM)
- Society of Physics Students (SPS)
- Texas Southern Computing Society (TSCS)
- Texas Southern University Chemistry Club
- Texas Southern University Pre-Nursing Association
- Texas Southern University Maritime Student Association
- Texas Southern University Student Chapter of Society of Environmental Toxicology and Chemistry (SETAC)
- Texas Southern University Society of Young Engineers (SYE)
- The Construction Club
- The National Association of Minority Contractors (NAMC)
- Women in Aviation International, TSU Maroon Tails Chapter

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 Department of Aviation Science and Technology is to prepare students with the foundational knowledge required to develop and function as aviation professionals. Specifically, our mission is to prepare our majors with the base knowledge and skills for graduate study and entering the workforce as entry level aviation professions. The Department offers a Bachelor of Science degree in Aviation Science Management with two concentrations: (1) Management and (2) Professional Pilot.

The Aviation Science Management Degree provides a strong foundation for a career as a manager in the aviation infrastructure. The curriculum provides skills in management, communications, and research to prepare students for leadership positions in the field of aviation management. The last two years of matriculation include extensive professional-level Aviation Science Technology and Management courses whereby students shall develop critical thinking and problem solving skills. The degree in Aviation Science Management is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

The Aviation Science Management Degree with the Professional Pilot Concentration leads to accomplishment of an academic degree and a professional pilot license, providing opportunities for employment in the aviation industry for graduates. The degree with flight concentration is designed to prepare students for several career options that include: private pilot, professional pilot, and certified flight instructor. The flight concentration is a Federal Aviation Administration Part 141-approved program.

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 flight 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 44 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 301 of the Spearman Technology Building.

LIST OF FACULTY IN THE DEPARTMENT

<p>Criner, Oscar H., Ph.D. Professor and Interim Chair B.S., Howard University Ph.D., University of California, Berkeley, CA</p>
<p>Baker, Vernon J., M.S. Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>
<p>Hall, Tasjah, M.S. Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>

DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY

COURSE DESCRIPTIONS

- AVST 101** **Introduction to Aviation** **(3)**
The course covers a brief historical review of early aviation, the freedom and the power of flight from the 15th. Century drawings and manuscripts of Leonardo de Vinci to modern times, discussing the fundamentals of flight and aeronautical technology, and an introduction to aircraft systems and operations. The dynamics of safety of flight, human factors, interpreting aeronautical graphic 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 focus on 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 cockpit instruments and system, fundamentals of flight, 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 perform as a pilot in command of single engine aircraft transport of passengers or property; excluding fees or employment. Three hours of lecture per week. FAA approved. Prerequisite: AVST 103, Co-requisite: AV S T 105L
- AVST 105L** **Private Pilot Flight Lab** **(3)**
Practical application of aeronautical skills in a laboratory setting. Three hours of laboratory per week. Prerequisite: AVST 103. Co-requisite: AVST 105.
- AVST 113** **Introductions to Flight** **(3)**
Introduction to Flight covers the fundamentals of flight. Three hours of lecture per week. Three hours of lecture per week. Co-requisite: AVST 113L
- AVST 113L** **Introduction to Flight Lab** **(1)**
Practical application of aeronautical skills in a laboratory setting. Two hours of lab per week Co-requisite: AVST 113.
- AVST 120** **Transportation Survey** **(3)**
Transportation systems and their impact on 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 interphone 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 a detailed knowledge of the environmental factors critical to safe flight operations. The course covers weather systems, upper-air characteristics, flight hazards, weather-related topics in flight safety, meteorological flight planning, use of weather information systems, and the reports and charts used for aviation weather reporting and forecasting. Survey of atmospheric and weather-related phenomena and their impact on flight operations, including the interface of airmen and flight service stations. Three hours of lecture per week. Prerequisite: AVST 105, AVST 105L
- AVST 214** **Introduction to Homeland Security** **(3)**
This course provides a survey of historical events, practices, and policies of the emergency management system in the aviation industry. Three hours of lecture per week. Prerequisite: AVST 101, AVST 371
- AVST 218** **Instrument Ground** **(3)**
The course is designed to prepare students to successfully complete the FAA Instrument Knowledge Test. Topics of the course include FARs and AIM, ATC system and procedures, IFR navigation and approaches, enroute and instrument approach charts, weather, safe and efficient aircraft operations, and CRM. Three hours of lecture per week. Prerequisite: AVST 103, AVST 105 Co requisite: AVST 218L
- AVST218L** **Instrument Flight** **(1)**
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. Prerequisite: AVST103, AVST 105, Co requisite: AVST 218
- AVST 305** **Fundamentals of Avionics** **(3)**
Understanding the principle of theory, and technology of modern avionics systems. Mathematical and conceptual approaches for various subsystems including , but not limited to sensory, display, navigation, air data, autopilots, and flight management are examined individually and as an integrated whole.
- AVST 310** **Airport Emergency Planning and Mitigation** **(3)**
Provides foundation knowledge and develops skills in emergency planning, hazard mitigation, and incident management in aviation environments. Three hours of lecture per week. Prerequisite: AVST 371
- AVST 312** **Commercial Pilot Certification** **(3)**
Successful completion of the course will certify the pilot to perform as a pilot in command of single engine aircraft and hired and compensated. 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, AVST 218L.
- AVST 312L** **Commercial Pilot Certification Lab** **(1)**
Laboratory course providing students opportunities to learn the advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country, night flight, and FAA regulations.

- AVST313** **International Flight Theory** **(3)**
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) airspace. Pre-requisite: AVST 312
- AVST315** **Multi- Engine Rating** **(3)**
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.
- AVST 315L** **Multi-Engine Rating Lab** **(1)**
Provides the student with the flight time and instruction to complete all maneuvers and operations required in preparation to earn the Federal Aviation Administration (FAA) Multiengine Airplane Class Rating. Co-requisite: AVST 315.
- AVST321** **Air Traffic Control** **(3)**
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: AVST 321L
- AVST 321L** **Air Traffic Control Lab** **(1)**
Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Co-requisite: AVST 321.
- AVST 345** **Principles of Aviation Property** **(3)**
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
- AVST351** **Aviation Law** **(3)**
Chronological development of aviation law, federal and state regulatory functions, rights and liabilities of aviators, commercial air carrier operations, and the traveling public. Includes FAA regulations and directives governing airport operations, air carrier safety, and aviation security. Three hours of lecture per week.
- AVST 371** **Airport Management** **(3)**
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 an airline. Three hours of lecture per week.
- AVST 352** **Aviation Business Organization Management** **(3)**
A study of the role of business operations and techniques at small and large airports. Three hours of lecture per week. Prerequisite: AVST 371

AVST 380	Certified Flight Instructor - Airplane A study of the fundamentals of air plane flight instruction involving educational principles of the learning and teaching process, communication, teaching methods, critiquing, evaluating, and planning instruction activity. Pre-requisite: AVST 315.	(3)
AVST 380L	Certified Flight Instructor – Airplane Lab Provides the student with the flight time & instruction to demonstrate, teach, and evaluate their performance in all maneuvers and operations required to earn the Private Pilot and Commercial Pilot Certificates.	(1)
AVST 381	Air Carrier Management Historical development of U.S. trunk carrier operations and regulatory interfaces 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	Certified Flight Instructor – Instrument Academic studies in preparation for the FAA written and oral examinations for the CFI Instruments Certificate. Information covered includes a review of aeronautical skill and the body of knowledge required of an Instrument rated pilot, and methods of imparting this knowledge to students. Pre-requisite: AVST 315. Co-requisite AVST 400L	(3)
AVST 400L	Certified Flight Instructor – Instrument Lab Flight time and instruction to demonstrate, teach, and evaluate performance of students in all maneuvers and operations required to earn the FAA Instrument Rating. The student will be prepared for the administration of the oral and practical examinations administered by the FAA. Pre-requisite: AVST 315. Co-requisite AVST 400	(1)
AVST 401	Advanced Aerodynamics Advanced theories of flight and flight factors, including airfoil shape, 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 fulfill team-building roles with government and non-government agencies during times of aviation disasters. Three hours of lecture per week. Prerequisite or Co-requisite: AVST310	(3)
AVST 403	Turboprop Familiarization This course studies Turboprop and turbojet 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 within t h e framework of the FAA. Three hours of lecture per week. Prerequisite: AVST 312	(3)
AVST 406	The National Airspace System Overview of the proposed NAS Plan, including 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 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	(3)
AVST 408	Multi Engine CERTIFIED Flight Instructor Provides instruction needed to demonstrate, teach and evaluate performance of students in all maneuvers and operations required to earn the FAA Multiengine Rating. Prerequisites: AVST380, 400, 400L, 401,	(3)
AVST 408L	Multi Engine –CFI Lab Provides the flight time and instruction needed to demonstrate, teach and evaluate performance of students in all maneuvers and operations required to earn the FAA Multiengine Rating. Co-requisite: AVST 408	(1)
AVST 409	General Aviation Management (Fixed Based Ops) A study of fixed based operations and its functions 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	(3)
AVST415	Aeronautical Charts and Publications The student will become familiar with VFR Charts, FAA publications, en-route IFR Charts, SI Ds & STARS, approach plates, and emergency rescue procedures. Three hours of lecture per week. Prerequisite: AVST 312	(3)
AVST 425	Flight Physiology A study of the causes, symptoms, treatment, and prevention of medical issues associated with flight. Three hours of lecture per week. Prerequisite: AVST 105, AVST105L, AVST 315	(3)
AVST 444	Aviation Project System Management 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	(3)
AVST 444L	Aviation Project System Management Lab Laboratory training of the role of project managers using software programs and systems analysis techniques. Prerequisite: AVST 371, Co-requisite: AWS 444	(1)
AVST495	Field Work Practicum in Aviation Science Directed study involving field placement which provide 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.	(3-6)

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE AND TECHNOLOGY
AVIATION SCIENCE MANAGEMENT TRACK
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (AVIATION SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
42 credits		36 credits	42 credits	21 credits
<u>Communication:</u>		AVST 101 (3)	ACCT 231 (3)	AVST 101 (3)
ENG 131 (3) **	ENGL 1301	AVST 102 (3)	BADM 230 (3)	AVST 102 (3)
ENG 132 (3)	ENGL 1302	AVST 120 (3)	MATH 136 (3)	AVST 351 (3)
<u>Mathematics:</u>		AVST 201 (3)	MATH 241 (3)	AWS 371 (3)
MATH 133 (3)	MATH 1314	AVST 321 (3)	MGMT 300 (3)	AWS 381 (3)
<u>Life and physical sciences:</u>		AVST 321L (1)	MGMT 301 (3)	AVST 404 (3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	AVST 351 (3)	MGMT 330 (3)	AVST 409 (3)
BIOL 143 or CHEM 131 (3)	BIOL 1308 or CHEM 1312	AVST 371 (3)	MGSC 239 (3)	
<u>Language, philosophy, and culture:</u>		AVST 381 (3)	ECON 231 (3)	
ENG 131 (3) * ENG 132 (3)		AVST 404 (3)	ELECTIVES (15) **	
<u>Creative arts:</u>		AVST 409 (3)		
MUSI 239 or	HUMA 1315	AVST 495 (5)		
<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>				
PSY 131 (3)				
<u>Institutional Options:</u>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 120 (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.

* 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.

BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE MANAGEMENT
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/Chem 131 Survey Life Sci/Gen Chem	3	
	AVST 101 Introduction to Aviation	3	AVST 102 Aviation History	3	
	SC 135/136*** Pub Addr/Bus Prof Comm3	3	Music 239 Fine Arts	3	
	CS 120 Intro to Computers and Prob. Solving	3	Math 136 Pre-Calculus	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ENG 2XX Any 200 level English	3	Pols 236 American Political System II	3	
	Phys 101 Principles of Physical Science	3	Hist 232 US Soc&pol History II from 1877	3	
	Pols 235 American Political System I	3	Econ 231 Principles of Econ I	3	
	PSY 131 General Psychology	3	BADM 230 Adv. Communications 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	AVST Elective **	3	
	AVST 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	5	
	AVST 404 Flight Safety	3	Mgmt 301 Personnel & Human Resource Dev	3	
	AVST 409 General Aviation Management	3	Mgmt 330 Organizational Behavior	3	
	AVST Elective **	3	AVST Elective **	3	
	AVST Elective **	3			
		15 hrs		14 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.

* Pending English and Math examinations

**Approved Electives

***SC 135/136 Public Address or Business & Professional Communications

Any 15 semester hours from the following: Any AVST course other than required courses
The required Advanced Comp. Progr. Prescribed elective Any MATH, MGMT, MKTG, MGSC, BADM, MSCI, ACCT course, other than required courses

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN AVIATION SCIENCE MANAGEMENT
PROFESSIONAL PILOT CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (AVST)	OTHER REQUIREMENTS
42 credits		51 credits	27 credits
<u>Communication:</u>		AVST 103 (3)	AVST 201 (3)
ENG 131 (3) **	ENGL 1301	AVST 105 (3)	ACCT 231 (3)
ENG 132 (3)	ENGL 1302	AVST 105L (3)	BADM 230 (3)
<u>Mathematics:</u>		AVST 218 (3)	MATH 134 (3)
MATH 133 (3)	MATH 1314	AVST 218L (1)	MATH 241 (4)
<u>Life and physical sciences:</u>		AVST 305 (3)	MGMT 300 (3)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 or BIOL 1308	AVST 311 (3) AVST 312 (3)	MGMT 330 (3)
PHYS 237 (3)	PHYS 2325	AVST 312L (1)	PHYS 213 (1)
<u>Language, philosophy, and culture:</u>		AVST 313 (3)	PHYS 238 (3)
ENG 2xx (3) ***	ENG 2XXX	AVST 315 (3)	PHYS 214 (1)
<u>Creative arts:</u>		AVST 315L (1)	
MUSI 239 (3) or	HUMA 1315	AVST 380 (3)	
<u>American history:</u>		AVST 380L (1)	
HIST 231 (3)	HIST 1301	AVST 400 (3)	
HIST 232 (3)	HIST 1302	AVST 400L (1)	
<u>Government/political science:</u>		AVST 401 (3)	
POLS 235 (3)	GOVT 2305	AVST 403(3)	
POLS 236 (3)	GOVT 2306	AVST 408 (3)	
<u>Social and behavioral sciences:</u>		AVST 408L (1)	
ECON 231 (3)	ECON 2301	AVST 425 (3)	
<u>Institutional Options:</u>			
SC 135 (3) 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.

**BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE MANAGEMENT
PROFESSIONAL PILOT CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	English 131 English I	3	English 132 English II
Math 133 College Algebra		3	MATH 134 Trigonometry	3
AVST 103 Private Pilot Ground		3	AVST 218 Instrument Ground	3
AVST 105 Private Pilot Flight		3	AVST 218L Instrument Ground Flight Lab	1
AVST 105L Private Pilot Flight Lab		3	CS 116 Intro. To Computer Science	3
			SC 135 Business and Professional Communication	3
		15 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 131 General Chemistry	3	PHYS 238 College Physics II
AVST 312 Commercial Pilot Certificate		1	PHYS 214 College Physics II Lab	1
AVST 312L Commercial Pilot Certificate Lab		3	AVST 311 Intermediate Flight	3
PHYS 237 College Physics I		3	AVST 201 Flight Meteorology	3
PHYS 213 College Physics I Lab		1	POLS 236 American Political Systems II	3
MATH 241 Calculus		4	ENG 2xx Upper Level English	3
POL 235 American Political System I		3		
		18 hrs		16 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	HIST 231 Soc. Political History US 1	3	HIST 232 Soc. Political History of US II
AVST 315 Multi Engine Rating		3	MUSIC 239 Fine Arts and Daily Living	3
AVST 315L Multi-Engine Rating Lab		1	AVST 380 CFI Airplane	3
MGMT 300 Principles of Management		3	AVST 380LCFI Airplane Lab	1
AVST 305 Fundamentals of Avionics		3	ECON 231 Principles of Economics I	3
BADM 230 Advance Communication Skills		3		
		16 hrs		13 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	AVST 400 CFI Instrument	3	AVST 425 Flight Physiology
AVST 400L CFI Instrument Lab		1	ACCT 231 Principles of Accounting I	3
AVST 313 International Flight Theory		3	AVST 401 Advance Aerodynamics	3
MGMT 330 Organizational Behavior		3	AVST 408 Multi Engine CFI	3
AVST 403 Turbo Prop Familiarization		3	AVST 408L Multi Engine CFI Lab	1
	13 hrs		13 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.

* Pending English and Math examinations

**Approved Electives

***SC 135/136 Public Address or Business & Professional Communications

Any 15 semester hours from the following: Any AVST course other than required coursesThe required Advanced Comp. Progr. Prescribed elective

Any MATH, MGMT, MKTG, MGSC, BADM, MSCI, ACCT course, other than required courses

DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY
TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE	COURSE NAME	CREDITS	FALL	SPRING	SUM	PREREQUISITES	COREQUISITES
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
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
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	
AVST 312L	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
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 CARRIER MGMT	3	X				
AVST 400	FLIGHT INSTRUCTOR INSTRUMENT	3	As Required			AVST 315	
AVST 401	ADV AERODYNAMICS	3	As Required			AVST 312	
AVST 402	EFFECTIVE HSEM CM & LEADERSHIP	3	As Required			AVST 310	
AVST 403	TUROPROP FAMILIARIZATION	3	As Required			AVST 315	

AVST 404	FLIGHT SAFETY	3	As Required		AVST312		
AVST 406	NATL AIRSPACE SYSTEM	3		X		AVST218	
AVST 407	AVIATION SERVICES OPERS	3	As Required			AVST371	
AVST 409	GENERAL AVIATION MANAGEMENT	3	X			AVST 371	
AVST 415	AERONAUTICAL CHARTS & PUBS	3	As Required			AVST312	
AVST 425	FLIGHT PHYSIOLOGY	3	As Required			AVST 105, AVST 106L, AVST315	
AVST 444	AVIATION PROJ. SYSTEM MGMT.	3		X		AVST371	AVST 444L
AVST 444L	AVIATION PROJ. SYSTEM MGMT. LAB	1	As Required			AVST371	AVST 444
AVST 495	FLD. WORK PRACT IN AVST	5	X	X	X	Chair Approval	

DEPARTMENT OF BIOLOGY

As the largest instructional unit in the College of Science, Engineering & Technology (COSET), the Department of Biology offers courses in Biology (BIOL) to the general student population, 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. This is a non-degree program designed to prepare students for admission into a Bachelor of Science (B.S.) Degree in nursing program. The teaching, research, and office facilities for faculty members are housed on the second and third floors of the TSU Science Center with the Department Office located in Room 203Z.

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 Concentration is designed to prepare students to enter the workforce or for additional study at the graduate level, while the Pre-Health Professional Concentration 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 said 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 gain admission to the University, 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 their program of study and mentoring them in achieving 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 students following the Comprehensive Concentration will be required to maintain a GPA of 2.75 with respect to courses in the following cognate areas: Biology, Chemistry, Mathematics, and Physics. All students following the Pre-Health Professional Concentration will be required to maintain an overall GPA of 3.5.** 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. Additionally, 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

Abdel-Rahman, Fawzia Professor B.Sc., University of Cairo, Egypt M.S., Ph.D., University of California at Davis	Olufemi, Shodimu-Emmanuel Assistant Professor B.S., M.S., Texas Southern University Ph.D., Howard University
Cassimere, Erica Visiting Assistant Professor B.S., University of Maryland Eastern Shore Ph.D., Purdue University	Player, Audrey Assistant Professor B.S., University of North Texas Ph.D., Wright State University
Fadulu, Sunday O. Professor Emeritus B.S, Oklahoma Baptist University M.S., Ph. D., University of Oklahoma	Rosenzweig, Jason A. Associate Professor B.S., Florida Atlantic University Ph.D., University of Miami (Miller School of Medicine)
Gardiner, Linda M. Visiting Assistant Professor B.S., Ph.D., Texas Southern University	Shishodia, Shishir Associate Professor B. S., Ranchi University, Ranchi, India. M.S., Ph.D., Banaras Hindu University, Varanasi, India
Hillar, Marian Professor M.D., Ph.D., University Medical School at Gdansk, Poland	Sodipe, Ayodotun Assistant Professor B.S., Ph.D., Texas Southern University
Hollomon, Mario G. Assistant Professor B.S., Prairie View A&M University M.S., Ph.D., Texas Southern University	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
Jackson, Desirée Associate Professor B.S., State University of New York College at Brockport Ph.D., Meharry Medical College	Williams, Warren Associate Professor B.S., M.S., Texas Southern University Ph.D., University of Illinois
Miranda, Hector Associate Professor B.S., M.S., University of the Philippines at Los Baos Ph.D., University of Cincinnati	

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, BIOL112, 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 re- search to undergraduates. Three hours of laboratory per week. Prerequisite: Consent of the instructor.	(1)
BIOL 431	Radiation Biology Course covers physical and chemical principles of radiation; use of radioactive nuclides in Biochemical and biological research; biological effects of low and high levels of radiation; acute and chronic effects of radiation; safety measures and regulations in the use of radioactive nuclides in research and medicine; technical aspects of the generation of energy by nuclear power stations; and social, moral and medical aspects of the use of atomic weapons. Three hours of lecture per week. Prerequisite: Junior or Senior standing in Biology.	(3)
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	(3)
	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.	
BIOL 441	Histology	(4)
	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.	
BIOL 443	Molecular Biology	(4)
	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.	
BIOL 446	Human Physiology Laboratory	(1)
	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.	
BIOL 447	Human Physiology	(3)
	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.	
BIOL 448	Molecular Physiology and Biophysics	(3)
	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.	
BIOL 450	Molecular Genetics	(3)
	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.	
BIOL 451	Parasitology	(4)
	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.	
BIOL 452	Intermediary and Cellular Metabolism	(3)
	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.	
BIOL 454	Immunology	(3)
	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.	
BIOL 460	Biostatistics	(3)
	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.	
BIOL 461	Environmental Sampling and Analysis	(3)
	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.	

BIOL 499

Biology Seminar

(1)

Consideration of various biological problems and recent research. One hour of lecture per week.
Prerequisite: Junior or Senior standing in Biology.

**CURRICULUM SUMMARY FOR BACHELOR OF SCIENCE DEGREE IN BIOLOGY
COMPREHENSIVE CONCENTRATION
TOTAL CREDITS REQUIRED: 122 – 138 (depends on minor selected)**

CORE CURRICULUM * (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
42 Credits	EQUIVALENT	50 Credits	25 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	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)	PHYS 213 (1)	
ENG 2xx (3)		BIOL 340 (3)	PHYS 214 (1)	
Creative Arts:		BIOL 341 (4)	PHYS 237 (3)	
MUSI 131 or	MUSI 1301	BIOL 347 (4)	PHYS 238 (3)	
AR T 131 (3)	ARTS 1316	BIOL 443 (4)		
American History:		BIOL 450 (3)		
HIST 231 (3)	HIST 1301	BIOL 454 (3)		
HIST 232 (3)	HIS T 1302	BIOL 460 (3)		
Government/Political Science		BIOL 499 (1)		
POLS 235 (3)	GOVT 2305	Plus 6 Upper Level BIOL credits selected from the following:		
POLS 236 (3)	GOVT 2306			
Social and Behavioral Sciences:		BIOL 300 (1), BIOL 332 (3),		
PS Y 131 or	PSYC 2301	BIOL 334 (3), BIOL 343 (3),		
SOC 157 or	SOCI 1301	BIOL 344 (4), BIOL 345 (1),		
SOC 158 (3)	SOCI 1306	BIOL 348 (4), BIOL 349 (3),		
Institutional Options:		BIOL 401 (1), BIOL 431 (3),		
CS 116 (3)	COSC 1300	BIOL 434 (3), BIOL 435 (3),		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	BIOL 438 (3), BIOL 439 (3),		
		BIOL 441 (4), BIOL 446 (1),		
		BIOL 447 (3), BIOL 448 (3),		
		BIOL 451 (4), BIOL 452 (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: 122**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BIOL 131 Biological Science I Lec.	3	BIOL 132 Biological Science II Lec.
BIOL 111 Biological Science I Lab		1	BIOL 112 Biological Science II Lab	1
CHEM 131 Chemistry I Lec.		3	CHEM 132 Chemistry II Lec.	3
CHEM 111 Chemistry I Lab		1	CHEM 111 Chemistry II Lab	1
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
MATH 133 College Algebra		3	MATH 136 Precalculus	3
SC 135 OR 136 Business and Professional Communication or Public Address		3	MUSIC 131 OR art 131 Intro to Music or Drawing and Comp	3
		17 hrs		17 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	BIOL 231 Cell Biology Lec.	3	BIOL 232 Developmental Biology
BIOL 211 Cell Biology Lab		1	BIOL 212 Developmental Biology Lab	1
CHEM 231 Organic Chemistry I Lec.		3	CHEM 232 Organic Chemistry II Lec.	3
CHEM 211 Organic Chemistry I Lab		1	CHEM 212 Organic Chemistry II Lab	1
ENG 2XX Upper Level English Literature		3	CS 116 Computer Science I Lecture	3
MATH 241 Calculus and Analytic Geometry I		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		
		18 hrs		14 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	BIOL 338 Genetics	3	BIOL 347 Microbiology
BIOL 340 Biochemistry of Biological Cmpd		3	PHYS 214 College Physics Lab II	1
BIOL 341 Organismic Biology		4	PHYS 238 College Physics II	3
PHYS 213 College Physics Lab I		1	POLS 236 - American Political System III	3
PHYS 237 College Physics I		3	PSY 131 or SOC 157 or SOC 158	3
POLS 235 - American Political Systems I		3	Intro to Psychology or Sociology or Contemporary Social Issues	
		17 hrs		14 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	BIOL 443 Molecular Biology	4	BIOL 450 Molecular Genetics
BIOL 460 Biostatistics		3	BIOL 454 Immunology	3
BIOL 499 Seminar		1	BIOL ELECTIVES	6
CHEM 322 Quantitative Chemistry Lab		2		
CHEM 332 Quantitative Chemistry Lec.		3		
	13 hrs		12 hrs	

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

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

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.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE
IN BIOLOGY PRE-HEALTH PROFESSIONAL CONCENTRATION TOTAL CREDITS REQUIRED: 122 – 138
(depends on minor selected)**

CORE CURRICULUM * (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR CONCENTRATION
42 Credits	EQUIVALENT	50 Credits	25 Credits	21 Credits
<u>Communication:</u>		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	BIOL 112 (1)	CHEM 112 (1)	
ENG 132 (3)	ENGL 1302	BIOL 131 (3)	CHEM 211 (1)	
<u>Mathematics:</u>		BIOL 132 (3)	CHEM 212 (1)	
MATH 133 (3)	MATH 1314	BIOL 211 (1)	CHEM 231 (3)	
<u>Life and Physical Sciences:</u>		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)	
<u>Language, philosophy, and culture:</u>		BIOL 338 (3)	PHYS 213 (1)	
ENG 2xx (3)		BIOL 340 (3)	PHYS 214 (1)	
<u>Creative Arts:</u>		BIOL 341 (4)	PHYS 237 (3)	
MUSI 131 or	MUSI 1301	BIOL 347 (4)	PHYS 238 (3)	
ART 131 (3)	ARTS 1316	BIOL 441 (4)		
<u>American History:</u>		BIOL 443 (4)		
HIST 231 (3)	HIST 1301	BIOL 447 (3)		
HIST 232 (3)	HIST 1302	BIOL 452 (3)		
<u>Government/Political Science</u>		BIOL 454 (3)		
POLS 235 (3)	GOVT 2305	BIOL 460 (3)		
POLS 236 (3)	GOVT 2306			
<u>Social and Behavioral Sciences:</u>				
PSY 131 or	PSYC 2301			
SOC 157 or	SOCI 1301			
SOC 158 (3)	SOCI 1306			
<u>Institutional Options:</u>				
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.

**BACHELOR OF SCIENCE DEGREE IN PRE-HEALTH PROFESSIONAL
CONCENTRATION
(WITH CHEMISTRY MINOR)
DEGREE PLAN - TOTAL CREDITS: 122**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	BIOL 131 Biological Science I Lec.	3	BIOL 132 Biological Science II Lec.
BIOL 111 Biological Science I Lab		1	BIOL 112 Biological Science II Lab	1
CHEM 131 Chemistry I Lec.		3	CHEM 132 Chemistry II Lec.	3
CHEM 111 Chemistry I Lab		1	CHEM 111 Chemistry II Lab	1
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
MATH 133 College Algebra		3	MATH 136 Precalculus	3
SC 135 OR 136 Business and Professional Communication or Public Address		3	MUSIC 131 OR art 131 Intro to Music or Drawing and Comp	3
		17 hrs		17 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	BIOL 231 Cell Biology Lecture	3	BIOL 232 Developmental Biology Lecture
BIOL 211 Cell Biology Lab		1	BIOL 212 Developmental Biology Lab	1
CHEM 231 Organic Chemistry I Lec.		3	CHEM 232 Organic Chemistry II Lec.	3
CHEM 211 Organic Chemistry I Lab		1	CHEM 212 Organic Chemistry II Lab	1
ENG 2XX Upper Level English Literature		3	CS 116 Computer Science I Lecture/Lab	3
MATH 241 Calculus and Analytic Geometry I		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		
		18 hrs		14 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	BIOL 338 Genetics	3	BIOL 347 Microbiology Lecture/Lab
BIOL 340 Biochemistry of Biological Cmpd		3	PHYS 214 College Physics Lab II	1
BIOL 341 Organismic Biology Lecture/Lab		4	PHYS 238 College Physics II	3
PHYS 213 College Physics Lab I		1	POLS 236 - American Political System III	3
PHYS 237 College Physics I		3	PSY 131 or SOC 157 or SOC 158	3
POLS 235 - American Political Systems I		3	Intro to Psychology or Sociology or Contemporary Social Issues	
		17 hrs		14 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	BIOL 443 Molecular Biology Lecture/Lab	4	BIOL 441 Histology Lecture/Lab
BIOL 460 Biostatistics		3	BIOL 447 Human Physiology	3
CHEM 322 Quantitative Chemistry Lab		2	BIOL 452 Intermediary and Cellular Metabolism	3
CHEM 332 Quantitative Chemistry Lec.		3	BIOL 454 Immunology Lecture/Lab	3
	12 hrs		13 hrs	

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

**CURRICULUM SUMMARY FOR
2-YEAR PRE-NURSING CURRICULUM TOTAL CREDITS REQUIRED: 64**

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.

**2-YEAR PRE-NURSING CURRICULUM
DEGREE PLAN - TOTAL CREDITS: 64**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II
BIOL 135 Human Anatomy and Physiology I		3	BIOL 136 Human Anatomy and Physiology II	3
BIOL 135L Human Anatomy and Physiology I Lab		1	BIOL 136L Human Anatomy and Physiology II Lab	1
MATH 133 College Algebra		3	BIOL 246 Microbiology	4
SOC 157 Introduction to Sociology		3	CHEM 131 General Chemistry I Lec	3
			CHEM 111 General Chemistry I Lab	1
	13 hrs		15 hrs	
	FIRST SUMMER SESSION		SECOND SUMMER SESSION	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
First Summer	POLS 235 - American Political Systems I	3	POLS 236 - American Political Systems II	3
		6 hrs		6 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	PSY 131 General Psychology	3	PSY 234 Elementary Statistics	3
Second Year	NUTR 235 Introduction to Nutrition	3	CS 116 Introduction to Computer Science	3
	PHIL 231 Introduction to Philosophy	3	SC 135 Business and Professional Comm. or	3
	SOCW 345 Human Behavior in Social Envir. I	3	SC 136 Public Address	3
			Visual & Performing Arts	
		12 hrs		12 hrs

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

COURSE ROTATION SCHEDULE

Course	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	
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 431	Radiation Biology	Junior or Senior Standing in biology			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 (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 whose 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. All Chemistry majors are required to pass the Major Field test prior to conferral of their degree. It is recommended that all enrolled Chemistry majors to take the Major Field test during the spring semester of the junior year. The test date will be announced during the first week of the spring semester. Students who do not pass the Major Field test may take a remedial course CHEM 480 (Selected Topics in Chemistry). NOTE: if a student fails the Major Field test and takes CHEM 480, these credits will not be applicable to the total chemistry hours required for the student’s specific curriculum.**

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. Major 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>Saleh, Mahmoud Professor B.S., M.S., University of Cairo Ph.D., University of California at Davis</p>
<p>Deng, Yuanjian Professor B.S., Wuhan University M.S., Chinese Academy of Sciences Ph.D., University of Houston</p>	<p>Sapp, John B Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>
<p>Good, Sonya L. Associate Professor B.S., Jackson State University Ph.D., Louisiana State University</p>	<p>Wei, Jacob X. Professor B.S., Nanjing University Ph.D. Nanjing University</p>
<p>Phan, Tuan Visiting Assistant Professor B.S., Houston Baptist University Ph.D., University of Houston</p>	<p>Wilkerson, Daryl F. Instructor/Laboratory Coordinator B.S., Texas Southern University M.S., Texas Southern University</p>
<p>Prince, Bruce M. Visiting Assistant Professor B.S., California State University Ph.D., University of North Texas</p>	<p>Wilson, Bobby L. Professor B.S., Alabama State University M.S., Southern University Ph.D., Michigan State University</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, period 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 stoichiometry), 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, homogenous 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	(4)
	Courses for human services/consumer science 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.	
CHEM 411	Physical Chemistry Laboratory I	(1)
	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.	
CHEM 412	Physical Chemistry Laboratory II	(1)
	Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.	
CHEM 431	Physical Chemistry I	(3)
	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.	
CHEM 432	Physical Chemistry II	(3)
	Continuation of CHEM 431. Three hours of lecture per week. Prerequisites: CHEM 431 and previous credit for or concurrent enrollment in MATH 242.	
CHEM 445	Biochemistry	(4)
	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.	
CHEM 450	Inorganic Chemistry I	(3)
	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.	
CHEM 451	Inorganic Chemistry II	(3)
	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.	
CHEM 453	Instrumental Methods	(3)
	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.	

CHEM 454	Research	(3)
	Upper-level chemical 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.	
CHEM 476	Organic Mechanism	(3)
	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.	
CHEM 477	Environmental Chemistry	(3)
	Principles of air, water, and soil chemistry. The fate and assessment of toxicants, pesticides, and water pollutants, including phytotoxins, mycotoxins, and heavy metals. Three hours of lecture per week. Prerequisite: CHEM 232.	
CHEM 478	Polymer Chemistry	(3)
	This course focuses on the fundamental knowledge of polymer chemistry, especially chemical synthesis, macromolecular behaviors, physical properties and characterizations of polymeric systems. Prerequisites: CHEM 231 and CHEM 232.	
CHEM 479	Biological Inorganic Chemistry	(3)
	Senior level course with topics in metal ion and proteins, transport and storage of metal ion and electron transfer in biological system. Prerequisites: CHEM 231, CHEM 232 and CHEM 445.	
CHEM 480	Selected Topics in Chemistry	(1)
	This course reviews selected topics in undergraduate chemistry education. Topics to be reviewed include important concepts and principles in general chemistry, analytical chemistry, and organic chemistry. Instrumentations for chemical analysis and characterization will also be discussed. Two hours of lecture per week. Prerequisites: CHEM 212, CHEM 232, CHEM 322 and CHEM 332.	
CHEM 499	Seminar	(1)
	Attendance and participation in weekly seminars required. Recent research developments in a wide variety of fields discussed. Students must give at least one seminar during the semester(s) that they are enrolled. May be repeated for credit up to four (4) credits maximum. Prerequisite: Consent of the Faculty Chair.	

**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
<u>Communication:</u>		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)
<u>Mathematics:</u>		CHEM 212, 232 (4)	BIOL 132 (3)
MATH 136 (3)	MATH 2312	CHEM 322, 332 (5)	CHEM 4XX (3)
<u>Life and Physical Sciences:</u>		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)
<u>Language, Philosophy, and Culture:</u>		CHEM 450 (3)	MATH 243 (4)
ENG 2xx (3) ***		CHEM 451 (3)	MATH 251 (3)
<u>Creative Arts:</u>		CHEM 453 (3)	PHYS 217, 251 (4)
MUSIC 131 or ART 131 or THEA 130 (3)	MUSI 1301 or ARTS 1316 or DRAM 1310	CHEM 454 (3)	PHYS 218, 252 (4)
<u>American history:</u>		CHEM 499 (1)	ELECTIVE xxx (3)
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>			
PSY 131 or SOC 157 (3)	PSYC 2301 or SOCI 1301		
<u>Institutional Options:</u>			
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 SEMESTER		SECOND SEMESTER	
	First Year	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec
CHEM 111 General Chemistry I Lab		1	CHEM 112 General Chemistry II Lab	1
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
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
MATH 136 Precalculus Mathematics		3	MATH 241 Calculus & Analytic Geometry I	4
		14 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec
Chem 211 Organic Chemistry I Lab		1	Chem 212 Organic Chemistry II Lab	1
ENG 2XX Upper Level English		3		
MATH 242 Calculus & Analytic Geometry, II		4	MATH 243 Calculus & Analytic Geometry, III	4
CS 116 Computer Science I Lec		3	CS 117 Computer Science II Lec	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	3
	17 hrs		17 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CHEM 332 Quantitative Analysis Lec	3	CHEM 445 Biochemistry Lec
CHEM 322 Quantitative Analysis Lab		2	CHEM 445 Biochemistry Lab	1
MATH 251 Differential Equations		3		
POLS 235 American Government		3	POLS 236 Texas Government	3
PHYS 251 University Physics I Lec		3	PHYS 252 University Physics II Lec	3
PHYS 217 University Physics I Lab		1	PHYS 218 University Physics II Lab	3
			PSY 131 or SOC 157 Intro to Psychology or MUSI 131 or ART 131 or THEA 130 Intro to Music	3
	15 hrs		17 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec
CHEM 411 Physical Chemistry I Lab		1	CHEM 412 Physical Chemistry II Lab	1
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		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
<u>Communication:</u>		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)
<u>Mathematics:</u>		CHEM 212, 232 (4)	BIOL 245 (4)
MATH 136 (3)	MATH 2312	CHEM 322, 332 (5)	BIOL 460 (3)
<u>Life and Physical Sciences:</u>		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)
<u>Language, Philosophy, and Culture:</u>		CHEM 450 (3)	PHYS 213, 237 (4)
ENG 2xx (3) ***		CHEM 451 (3)	PHYS 214, 238 (4)
<u>Creative Arts:</u>		CHEM 453 (3)	ELECTIVE xxx (3)
MUSIC 131 or ART 131 or THEA 130 (3)	MUSI 1301 or ARTS 1316 or DRAM 1310	CHEM 499 (1)	
<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>			
PSY 131 or SOC 157 (3)	PSYC 2301 or SOCI 1301		
<u>Institutional Options:</u>			
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
APPROVED CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec
CHEM 111 General Chemistry I Lab		1	CHEM 112 General Chemistry II Lab	1
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
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
MATH 136 Precalculus Mathematics		3	MATH 241 Calculus & Analytic Geometry I	4
		14 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec
Chem 211 Organic Chemistry I Lab		1	Chem 212 Organic Chemistry II Lab	1
ENG 2XX Upper Level English		3	Elective XXX	3
MATH 242 Calculus & Analytic Geometry, II		4		
CS 116 Computer Science I Lec		3	CS 117 Computer Science II Lec	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 131 or ART 131 or THEA 130 Intro to Music or Drawing & Comp I or Introduction to Theatre	3
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CHEM 332 Quantitative Analysis Lec	3	CHEM 445 Biochemistry Lec
CHEM 322 Quantitative Analysis Lab		2	CHEM 445 Biochemistry Lab	1
POLS 235 American Government		3	POLS 236 Texas Government	3
PHYS 213 College Physics I Lab		1	PHYS 214 College Physics II Lab	1
PHYS 237 College Physics I Lec		3	PHYS 238 College Physics II Lec	3
PSY 131 or SOC 157 Intro to Psychology or		3		
			BIOL 211 Cell Biology Lab	1
			BIOL 231 Cell Biology Lec	3
			CHEM 499 Seminar	1
	15 hrs		16 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec
CHEM 411 Physical Chemistry I Lab		1	CHEM 412 Physical Chemistry II Lab	1
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		3		
		14 hrs		13 hrs

* Pending acceptable scores on English and Math Placement Exams.

** MUSI 131, MUSI 136, MUSI 239, THEA 130, 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 a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
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	

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
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	
			*Physics 237, 238 required for pre-med, pre-dental track							
			* Physics 251, 252 required for ACS track							

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 involving 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.
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 in Computer Science degree and the Master of Science 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.
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 concentrations to the Bachelor's degree in Computer Science.

Concentration 1: The Bachelor of Science in Computer Science with General CS Concentration is designed for students who plan to focus on software development have 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 the 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 in Computer Science with Computer Networks 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 the students with the same breadth of computer science knowledge as the other concentration 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 in Computer Science are summarized at the end of this section along with the sequence in which major courses must be taken for each track. **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. 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 General CS 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, CS 140, 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's earned. Preference will be given to students earning the highest overall GPAs 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 individual GPA's fall 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 ASSET responsibility; and finally, must apply for admission to the Department once prerequisites and ASSET 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>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>Javadian, Mohsen Associate Professor M.S., University of Houston-Clear Lake B.S., Texas Southern University</p>	<p>Talusani, Pratap Reddy Visiting Instructor M.S., University of Houston B.S., Osmania 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>Abrar, Max Visiting Instructor M.S., University of Houston at Clear Lake B.S., Texas Southern 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 (COSC 1300)** **(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 (COST 1301)** **(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 (COSC 1315)** **(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. Development of customized software products with applications to subject matter area studied by students. Two hours of lecture and one hour of lab per week. Prerequisite: CS 216.
- CS 241** **Object Oriented Programming Using C++ (COSC 2320)** **(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 (COSC 2325) (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 (COSC 2330) (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, file processing techniques are presented. Required for computer science majors and Concentration I minors. Three hours of lecture per week. Prerequisites: CS243, CS 241.
- CS 248 Introduction to Theory of Computation (COST 2315) (3)**
Introduction to graph theory, automata and languages, computability and complexity of algorithms is given. This course covers partial order relations, scheduling PERT, CPM, introduction to graph theory and Euler, Hamiltonian and Djikistra algorithms, finite state automata, regular expressions, grammars, and algorithm definition. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH 241, 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. Prerequisites: 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. Prerequisites: 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, 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, 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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 the 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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. Prerequisite: 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 1311or 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	3	SC 135 or 136 Business & Professional Communication or Public Address	3	
	Intro to Music or Drawing and Comp. I				
		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	

NOTE:* 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)

**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
<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 1311 or BIOL 1308	CS 250 (3)	PHYS 238 (3)
PHYS 237 (3)	PHYS 1301	CS 251 (3)	
<u>Language, philosophy, and culture:</u>		CS 342 (3)	
ENG 2xx (3) ***		CS 343 (3)	
<u>Creative arts:</u>		CS 346 (3)	
MUSIC 131 or ART 131 (3)	MUSI 1301 or ARTS 1316	CS 350 (3)	
<u>American history:</u>		CS 351 (3)	
HIST 231 (3)	HIST 1301	CS 415 (3)	
HIST 232 (3)	HIST 1302	CS 444 (3)	
<u>Government/political science:</u>		CS 450 (3)	
POLS 235 (3)	GOVT 2305	CS 451 (3)	
POLS 236 (3)	GOVT 2306	CS 456 (3)	
<u>Social and behavioral sciences:</u>		CS 499 (3)	
ECON 231 (3)	ECON 2301	CS 3xx or 4xx or 5xx (3)	
<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
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	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	Intro to Music or Drawing and Comp. I			
	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	

NOTE:* 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)

Department of Computer Science

Rotation Table

COURSE #	COURSE NAME	CREDIT HOURS	EVEN YEAR	ODD YEAR	ODD YEAR	ODD YEAR	EVEN YEAR		EVEN YEAR	PREREQUISITES	CO-REQUISITES
			FALL	SPRING	SUM	FALL	SPRING		SUM		
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				CS 117	
CS 217	Advanced Applications II	3		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	
CS 343	Programming Lang and Design	3	X			X				CS 243	
CS 344	Compiler Design and Construction	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	

COURSE #	COURSE NAME	CREDIT HOURS	FALL	SPRING	SUM	FALL	SPRING	SUM	PREREQUISITES	COREQUISITES
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 434	Wireless Programming	3	X			X				
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	X	X	X	X		
CS 698	Master's Thesis Research I	1-3	X	X	X	X	X	X		
CS 699	Master's Thesis Research II	1-3	X	X	X	X	X	X		

DEPARTMENT OF ENGINEERING

The mission of the Department of Engineering is to provide an overall high quality, application-oriented curriculum in **Engineering and Engineering Technology**. These curricula are designed to prepare students for careers as engineers and engineering technologist who have the ability to understand new developments, adapt to change, embrace professional development opportunities, and assume professional roles in their respective fields.

Through this instructional unit, courses are offered in the following disciplines: Civil Engineering (CIVE), Electrical and Computer Engineering (ECE), Civil Engineering Technology (CIVT), Computer Engineering Technology (CMET) and Electronics Engineering Technology (ELET). The Bachelor of Science degree (B.S.) in the aforementioned areas is offered at the undergraduate level. No graduate degrees are offered through this unit. The Electronics Engineering Technology program in the College of Science, Engineering and Technology (COSET) is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET). **Members of the Department** are housed on the first floor of the Leonard H.O. Spearman Technology Building with the **Department office located in Suite 101**.

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. Finally they must contact the Department for admission after TSI Assessment requirements or equivalent has been completed and deficiencies remedied. Students within this Department are not required to declare a minor in another academic discipline. Students wishing to declare a minor in Engineering or 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.

Additional department requirements for the CIVE and ECE programs are as follows:

- Transfer students: A minimum overall GPA of 2.75 and all courses completed with grades of “C” or better (grades of “C-” are unacceptable).
- Existing Texas Southern University students: A minimum overall grade point average (GPA) of 2.50 and all courses completed with grades of “C” or better (grades of “C-” are unacceptable).

Each major in the department is assigned a **Faculty Advisor**, and this advisor must approve the schedule of courses prior to registration each semester. In addition to academic course work, a student pursuing the B.S. in Civil Engineering must undertake a six (6) semester credit hours practicum (internship) (CIVE 430) to meet the degree requirements. In the event that a suitable internship cannot be located prior to graduation, the student may then take six credit hours (6) of the senior project (CIVE 400) to fulfill this requirement.

Prior to graduation, majors must pass an exit examination during their senior year. Students within the ECE, ELET and CMET program who received an “unsatisfactory” grade in the exit exam will register for the Special Topics course in their discipline to fulfill this requirement for graduation. These requirements give the student an opportunity to master a particular aspect of the discipline in depth.

Students within the CIVE and CIVT program will be exempted from taking the exit exam after presenting documented proof of registration for the next upcoming engineering board exam.

For students majoring in other academic disciplines who wish to pursue a minor in Engineering or Engineering Technology, twenty-one (21) semester credit hours are required. Minor options are available in ECE, CIVT, CMET, and ELET. **Students are cautioned that grades of “C-” and below are not accepted for the twenty-one (21) semester credit hours referenced.**

- For the minor in Electrical and Computer Engineering (ECE), completion of the following 21 semester credit hours is required: ECE130, ECE131, ECE231, ECE 235, ECE331, ECE332, and one ECE4XX.

- For the minor in Electronics Engineering Technology (ELET), completion of the following 21 semester credit hours is required: ELET131, ELET133, ELET134, ELET235, ELET333, ELET431, and ELET434.
- For the minor in Computer Engineering Technology (CMET), completion of the following 21 semester credit hours is required: ELET131, ELET133, ELET134, ELET235, CMET331, CMET436, and CMET437.
- For the minor in Civil Engineering Technology (CIVT), completion of the following 21 semester credit hours is required: CIVT141, CIVT224, CIVT231, CIVT232, CIVT233, CIVT332, and Technical Elective.

To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all Engineering and Engineering **Technology** minors. The minor in Engineering programs are also required to complete the following three mathematics courses in conjunction with the designated twenty-one (21) semester credit hours: MATH 241 (4 Credits), Math 242 (4 credits), MATH 243 (4 credits), and MATH 251 (3 credits). The minor in Engineering Technology programs are also required to complete the following three mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours: MATH 133 (3 Credits), Math 134 or MATH 136 (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 five (5) programs leading to B.S. in Engineering or Engineering Technology, including the sequence of courses that must be taken are shown below. **As is the case for a major or minor in Engineering and Engineering Technology, grades below “C” including “C-“, are unacceptable in course 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>Thomas, Graham Associate Professor B.S., New Mexico State University M.S., New Mexico State University Ph.D., New Mexico State University</p>
<p>Chen, Xuemin Associate Professor B.Eng., Nanjin University of Science and Technology, China M.Eng., Nanjing University of Science and Technology, China Ph.D., Nanjing University of Science and Technology, China</p>	<p>Wanyan, Yachi, P.E. 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>Darayan, Shahryar Professor B.S., Tabriz University, Iran M.S.E.E., University of Houston Ph.D., University of Houston</p>	<p>Wolde-Kirkos, Abate, P.E. Assistant Professor B.S., University of Calicut, India M.S., Indian Institute of Technology, India Ph.D., University of Roorkee, India</p>
<p>Olowokere, David, P.E. 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>
<p>Saneifard, Rasoul, P.E. Professor B.S.E.E., Prairie View A&M University M.S.E.E., Prairie View A&M University Ph.D., New Mexico State University</p>	<p>Ajofoyinbo, Abayomi Visiting Assistant Professor M.S., University of Lagos, Nigeria M.S., University of Lagos, Nigeria Ph.D., University of Lagos, Nigeria</p>
<p>Amjadi, Zahra Visiting Assistant Professor B.S., Azad University, Iran M.Eng., Concordia University, Canada Ph.D., Concordia University, Canada</p>	<p>Robin-Stoute, Marcia Visiting Instructor B.S., Texas Southern University M.S., Texas Southern University</p>

CIVIL ENGINEERING COURSES

- CIVE 110** **Introduction to Civil Engineering** **(1)**
Overview of the various fields of civil engineering and career opportunities in Civil engineering. Path to professional licensure. Introduction to fundamental engineering concepts, engineering design, engineering ethics, and professional societies. Course required for freshmen and transfer students during their first fall semester enrollment in civil engineering.
- CIVE 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. Three hours of lecture per week. Co-requisite: CIVE 141L.
- CIVE 141L** **Civil Engineering Materials Lab** **(1)**
Laboratory testing of properties of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Co-requisite: CIVE 141.
- CIVE 223** **Hydrology & 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. Three hours of lecture and two hours of laboratory per week. Prerequisite: MATH 241.
- CIVE 224** **Geotechnical Engineering** **(3)**
Engineering properties of soil, application of science and engineering principles, methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Three hours of lecture per week. Prerequisites: MATH 241 and CIVE 141. Co-requisite: CIVE 224L.
- CIVE 224L** **Geotechnical Engineering Lab** **(1)**
Laboratory testing of geotechnical material, and its classification using ASTM and AASHTO laboratory methods.. Two hours of laboratory per week. Prerequisite: CIVE 141L Co-requisite: CIVE 224.
- CIVE 231** **Plane Surveying** **(3)**
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. Prerequisite: MATH 241. **Listed as ENGR 1407 in the Texas Common Course Numbering System.**
- CIVE 232** **Statics** **(3)**
Introduction to applications of equilibrium of rigid bodies, including moments, couples, and moments of inertia. Three hours of lecture per week. Prerequisites: MATH 241 and PHYS 251. **Listed as ENGR 2301 in the Texas Common Course Numbering System.**
- CIVE 233** **Dynamics** **(3)**
Principles of kinetics, kinematics, Newton's laws of motion, vectors, simple harmonic motion, and energy. Two hours of lecture per week. Prerequisites: CIVE 232 and MATH 241. **Listed as ENGR 2302 in the Texas Common Course Numbering System.**
- CIVE 301** **Environmental Engineering** **(3)**
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. Prerequisites: CHEM 111, CHEM 131 and CIVE 223.

CIVE 301L	Environmental Engineering Lab	(1)
	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 laboratory per week. Co-requisite: CIVE 301.	
CIVE 332	Applied Fluid Mechanics	(3)
	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 241 and CIVE 232.	
CIVE 333	Hydraulics Engineering	(3)
	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. Prerequisites: CIVE 332 and MATH 251.	
CIVE 334	Transportation Engineering	(3)
	Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisite: CIVE 231.	
CIVE 335	Geometric Design of Highways	(3)
	Theory and application of the parameters that impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVE 334.	
CIVE 336	Strength of Materials	(3)
	Physical properties of engineering materials; concepts of stress and loading; shear force and bending moments of structural materials subjected to axial, torsional and bending loads. Three hours of lecture per week. Prerequisites: MATH 242, CIVE 232, and PHYS 251.	
CIVE 338	Structural Analysis	(3)
	Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisite: CIVE 336.	
CIVE 339	Reinforced Concrete Design	(3)
	Concrete materials and properties, mixing and placement, concrete tests, design of concrete structures, elastic theory, stresses, beams, foundations, columns, and floor slabs. Three hours of lecture per week. Prerequisite: CIVE 338.	
CIVE 340	Structural Steel Design	(3)
	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 Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVE 338.	
CIVE 400	Civil Engineering Project	(3-6)
	Design of Civil Engineering related projects, application of criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Senior standing and consent of the instructor.	

- CIVE 430** **Engineering Practicum** **(6)**
Work experience with approved employer. Emphasis is on integrating classroom learning with related work experience. Upon completion, students are able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite: Senior standing and instructor approval.
- CIVE 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. Prerequisites: CIVE 301 and CIVE 333.
- CIVE 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 per week. Prerequisites: CIVE 339 and CIVE 340.
- CIVE 490** **Introduction to Bridge Engineering** **(3)**
Study of basic bridge design, loadings, structural analysis, and AASHTO design procedures. Design examples that illustrate the Load and Resistance Factor Design (LRFD) procedures. Practical applications on small- and medium-span bridges. Examples of steel beams, concrete slabs, pre-stress members, and piers will illustrate the AASHTO procedures. Three hours of lecture per week. Prerequisites: CIVE 338, CIVE 339 and CIVE 340.

ELECTRICAL AND COMPUTER ENGINEERING COURSES

- ECE 110** **Introduction to Electrical and Computer Engineering** **(1)**
This course provides an integrated introduction to electrical engineering and computer engineering. It covers the principles of electrical and computer engineering including sinusoidal wave forms, electrical measurements, digital circuits, and applications of electrical and computer engineering. One hour of lecture per week. Prerequisite: course required for freshmen and transfer students during their first fall semester enrollment in electrical and computer engineering.
- ECE 130** **Programming for Engr. Applications** **(3)**
Use of the C++ language as a problem-solving tool is emphasized, including algorithm approaches to problem and computer program design for engineers. Three hours of lecture per week.
- ECE 111** **Circuit Analysis Lab I** **(1)**
Laboratory activities on electronic circuits, Ohm's law, voltage, current, resistance, and basic test instruments are emphasized. Two hours of laboratory per week. Co-requisite: ECE 131.
- ECE 131** **Circuit Analysis I** **(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. Prerequisite: MATH 241. Co-requisite: ECE 111.
- ECE 211** **Circuit Analysis Lab II** **(1)**
Practical experiences in the measurement and analysis of alternating current with voltage, impedance, and phasor experiments are studied. Two hours of laboratory per week. Co-requisite: ECE 231.
- ECE 215** **Digital System Lab** **(1)**
Laboratory experiments on implementation of basic digital logic and hardware, combinational circuits, flip-flops, registers, and sequential circuits. Two hours of laboratory per week. Co-requisite: ECE 235.
- ECE 231** **Circuit Analysis II** **(3)**
Continuation of ECE 131 with studies of alternating current circuits, impedance concepts, network theorems, transformers, passive filters, and response curves are emphasized. Three hours of lecture per week. Prerequisites: ECE 131 and MATH 242. Co-requisite: ECE 211.
- ECE 235** **Digital System** **(3)**
Overview of digital computer systems, Boolean algebra, number systems, codes, combinational and sequential logic device, programmable logic devices, and study of digital hardware with emphasis on digital circuits such as A/D and D/A converter, memory circuits. Three hours of lecture per week. Prerequisite: ECE 231. Co-requisite: ECE 215.
- ECE 236** **Java Programming** **(3)**
High-level, object-oriented language programming using JAVA is emphasized. The course includes inheritance and polymorphism, implementing, hiding, and the creation of JAVA applets for internet usage. Three hours of lecture per week. Prerequisite: ECE 130.
- ECE 239** **Electromechanical Energy Conversions** **(3)**
Energy storage and conversion, force and emf production, coupled circuit analysis of systems with both electrical and mechanical inputs, applications to electric motors and generators and other electromechanical transducers are emphasized. Three hours of lecture per week. Prerequisites: ECE 231 and PHYS 251. Co-requisite: PHYS 252.

ECE 311	Electronic Circuits Lab	(1)
	Laboratory experiments on the application, analysis, and measurement of semiconductor devices in amplifier circuits. Two hours of laboratory per week. Co-requisite: ECE 331.	
ECE 312	Microprocessor Architecture Lab	(1)
	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: ECE 332.	
ECE 315	Control System Lab	(1)
	A series of control system experiments including process control using a PID controller experiments, closed loop control systems, and transient response design topics. Two hours of laboratory per week. Co-requisite: ECE 335.	
ECE 319	Real-Time Embedded Systems Lab	(1)
	Laboratory Experiments utilizing hardware and software in the design of a real-time embedded system. Two hours of laboratory per week. Co-requisite: ECE 339.	
ECE 330	Engineering Mathematical Analysis	(3)
	Learn how to use mathematics to formulate, solve, and analyze physical problems which includes systems and series solutions of ordinary differential equations, Fourier analysis, partial differential equations, linear algebra, vector calculus, special functions, unconstrained and combinatorial optimization, and applied probability and statistics. Three hours of lecture per week. Prerequisite: MATH 251.	
ECE 331	Electronic Circuits	(3)
	Study of the operation and characteristics of semiconductor devices such as introduction to electronic systems, linear circuits, diodes, field effect transistors, bipolar transistors, amplifiers and nonlinear circuits, and operational amplifiers and applications are emphasized. Three hours of lecture per week. Prerequisites: ECE 231 and Math 242. Co-requisite: ECE 311.	
ECE 332	Microprocessor Architecture	(3)
	Introduction to microprocessor hardware and software, including: microprocessor principles, organization, machine language programming, and input/output functions. Three hours of lecture per week. Prerequisite: ECE 235. Co-requisite: ECE 312.	
ECE 333	Software Engineering	(3)
	Software engineering is the study and an application of engineering to the design, development, and maintenance of software. Three hours of lecture per week. Prerequisite: ECE 236.	
ECE 334	Signal and System	(3)
	Signals and Systems is an introduction to analog and digital signal processing. It presents and integrates the basic concepts for both continuous-time and discrete-time signals and systems. Three hours of lecture per week. Prerequisite: Math 242.	
ECE 335	Control Systems	(3)
	Study of feedback control systems with the emphasis on the Linear Servomechanism theory and design principles, Pole-zero analysis, stability of feedback systems by root locus and real-frequency response methods, design methods of Bode and Nichols, introduction to advanced topics in automatic control theory, and state variable methods. Three hours of lecture per week. Prerequisites: ECE 330 and ECE 331. Co-requisite: ECE 315.	

- ECE 336** **Introductory VLSI Design** **(3)**
This course aims to convey knowledge of circuit design for digital VLSI components in state of the art MOS and BiCMOS technologies. Emphasis is on the circuit design, optimization, and layout for use in applications such as micro-processors, signal and multimedia processors, memory and periphery. Three hours of lecture per week. Prerequisites: ECE 331 and ECE 332.
- ECE 337** **Operating System** **(3)**
The fundamental principles of artificial intelligence and expert systems are introduced and their application in various areas of science and engineering. Three hours of lecture per week. Prerequisites: ECE 332 and junior standing.
- ECE 338** **Computer and Wireless Networks** **(3)**
This course introduces the fundamental problems of computer networking, from sending bits over wires to running distributed applications. Some advanced wireless networks will be included such as wireless sensor networks and Internet of things. Three hours of lecture per week. Prerequisite: ECE 332.
- ECE 339** **Real-Time Embedded Systems** **(3)**
In this course, students will design and build a microprocessor-based embedded system application requiring integration of sensor/actuator devices, A/D and D/A I/O interfaces, single and multi-core microprocessors, commercial real-time operating system, and multi-tasking application software. Three hours of lecture per week. Prerequisite: ECE 332. Co-requisite: ECE319.
- ECE 412** **Communication System Lab** **(1)**
Experiments on oscillator, filter, noise, amplitude, frequency and phase modulation, mixers, IF amplifiers, pulse modulation, sampling, optimum receivers, and amplitude-, frequency-, and phase-shift keying. Two hours of laboratory per week. Co-requisite: ECE 432.
- ECE 414** **Data Communications Lab** **(1)**
Laboratory experiments in data communication devices is emphasized including modems, multiplexers, concentrators, front-end processor, error-checking, simple/duplex transmission, and telecommunications. Two hours of laboratory per week. Co-requisite: ECE 434.
- ECE 430** **Applied Electromagnetics** **(3)**
It is an introductory subject on electromagnetics, emphasizing fundamental concepts and applications of Maxwell equations. Topics covered include: polarization, dipole antennas, wireless communications, forces and energy, phase matching, dielectric waveguides and optical fibers, transmission line theory and circuit concepts, antennas, and equivalent principle. Three hours of lecture per week. Prerequisite: ECE 330.
- ECE 431** **Special Topics** **(3)**
In this course, students who received “unsatisfactory” grade in ECE-ECX will use the method of the Face-to-face study and independent study to fulfill the requirement for the graduation. These requirements give the student an opportunity to master a particular aspect of the discipline in depth. Prerequisite: Consent of the department chair is required.
- ECE 432** **Communication Systems** **(3)**
Study of communication systems with emphasis on the application of frequency domain and time domain response of linear systems, analog modulation methods including amplitude modulation, frequency modulation and phase modulation, signal and noise modeling using probabilistic descriptions, narrowband random processes and the performance of analog modulation techniques in the presence of noise. Three hours of lecture per week. Prerequisites: ECE 330 and ECE 331. Co-requisite: ECE 412.

ECE 433	Microwave Engineering Analysis and design of transmission lines and matching circuits, Loss in transmission lines, Mode structures in metallic and dielectric waveguides, Microwave resonators and magnetic devices, Smith chart and matching techniques. Three hours of lecture per week. Prerequisite: ECE 430.	(3)
ECE 434	Data Communications Study of data communication devices and software, their functional and operational aspects; including modems, control units, multiplexers, concentrators, front-end processors, and etc. Three hours of lecture per week. Prerequisite: ECE 338. Co-requisite: ECE 414.	(3)
ECE 435	Network Programming The design and implementation of software applications in a networked environment are emphasized. Topics include a broad overview of network technology, the OSI model, socket programming, multithreading, and web programming. Three hours of lecture per week. Prerequisite: ECE 338.	(3)
ECE 436	Artificial Intelligence The fundamental principles of artificial intelligence and expert systems are introduced and their application in various areas of science and engineering. Three hours of lecture per week. Prerequisite: Senior standing.	(3)
ECE 437	Digital Signal Processing Application of learned theories/algorithms and available computer technologies to modern image and speech processing problems are emphasized. Characteristics of speech signals, linear predictive coding (LPC) of speech, pitch detection, and LPC speech synthesis, speech recognition, hardware designs for signal processing. Three hours of lecture per week. Prerequisites: Math 243 and ECE 235.	(3)
ECE 438	Power System Analysis This course is an introduction to power systems engineering. Topics include complex power, phaser, balanced three phases, transformers and per-unit system, transmission line, power flow problem, symmetrical faults and power system controls. Three hours of lecture per week. Prerequisites: ECE 331, MATH 243, and PHYS 252.	(3)
ECE 439	Applied Cyber Security This course addresses information security, ethical and legal practices, and mitigating cyber vulnerabilities. Students will also learn about the cryptography, hardware security, and software security. The content is targeted at ensuring the privacy, reliability, and integrity of information systems. Three hours of lecture per week. Prerequisite: ECE 338.	(3)
ECE 441	Senior Project Opportunity for seniors to engage in a team project in applied electrical and computer engineering field where integration of knowledge obtained throughout the program is possible. Students are formed into small design groups (typically three students) and assigned a project. In addition to carrying out the design project, students are required to keep a design notebook, write progress reports, write the first and second design passes, and a final report, and make an oral presentation of the design effort. Prerequisite: Senior standing and consent of the department chair.	(4)
ECE-ECX ECE	Comprehensive Exam A Senior Comprehensive examination for the graduating senior majoring in Electrical and Computer Engineering (ECE) is required. Students who do not score "Satisfactory" are required to register in ECE 431 in order to complete the requirements for the course. Prerequisite: Senior standing and consent of department chair is required.	(0)

ENGINEERING COURSES

- ENGR 131** **Engineering Graphics** **(3)**
A freshman level course which provides the undergraduate engineering student with a background in descriptive geometry, orthographic projection, engineering drawing standards and annotation, and computer-aided engineering graphics.
- ENGR 310** **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. Prerequisite: Junior standing and consent of advisor is required.
- ENGR 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 per week. Prerequisite: MATH 242.
- ENGR 433** **Alternative Energy** **(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. Three hours of lecture per week. Prerequisite: Senior standing.
- ENGR 480** **Construction Management** **(3)**
Principles common to construction management processes; planning estimating, contracts and specification, quantity surveying and bid preparations. Three hours of lecture per week. Prerequisite: Senior standing.

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 Engineering** **(3)**
Engineering properties of soil, 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** **Surveying** **(3)**
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. MATH 134. **Listed as ENGR 1407 in the Texas Common Course Numbering System.**
- CIVT 232** **Engineering Statics** **(3)**
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 237. **Listed as ENGR 2301 in the Texas Common Course Numbering System.**
- CIVT 233** **Dynamics** **(3)**
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. Prerequisites: MATH 241 and CIVT 232. **Listed as ENGR 2302 in the Texas Common Course Numbering System.**
- CIVT 301** **Environmental Engineering** **(3)**
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. Prerequisites: CIVT 223, CHEM 111 and CHEM 131.
- CIVT 332** **Applied Fluid Mechanics** **(3)**
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 241 and CIVT 232.
- CIVT 333** **Hydraulics Engineering** **(3)**
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.
- CIVT 334** **Transportation Engineering** **(3)**
Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisite: CIVT 231.

- CIVT 335** **Geometric Designs of Highways** **(3)**
Theory and application of the parameters that impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVT 334.
- CIVT 336** **Structural Analysis** **(3)**
Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisite: CIVT 338 and MATH 241.
- CIVT 337** **Reinforced Concrete Design** **(3)**
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.
- CIVT 338** **Strength of Materials** **(3)**
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 242, CIVT 232, and PHYS 237.
- CIVT 340** **Structural Steel Design** **(3)**
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.
- CIVT 400** **Civil Engineering Tech Project** **(3)**
Design of civil engineering related projects, application of criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Senior standing.
- 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** **Civil Engineering Construction Methods** **(3)**
Job planning and management, fundamentals of earth work, setting out of construction work, piling, blasting, roads, culverts, foundations, wallings, concrete work, formworks, roofing structures, plumbing and drainages, bridges, commercial and industrial buildings, and estimating. Three hours of lecture per week. Prerequisites: CIVT 337 and CIVT 340.

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 130.
- CMET 412** **Senior Project I** **(1)**
A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Prerequisite: Senior standing.
- 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. Co-requisite: CMET 435.
- 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, frontend processor, error-checking, simplex/duplex transmission, and telecommunications. Two hours of laboratory per week. Co-requisite: CMET 437.
- 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. Co-requisite: CMET 439.
- CMET 432** **Senior Project II** **(3)**
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: CMET 412, senior standing, and consent of department 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. Prerequisite: ELET 333. 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 and MATH 345.
- CMET 441** **Computer Engineering Technology Comprehensive Exam** **(0)**
Comprehensive examination for graduating seniors majoring in Computer Engineering Technology. Prerequisite: Consent of the department chair.

ELET 212	Electronics II Laboratory Application, design, and evaluation of 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. 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. 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 333.	(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 235.	(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 235.	(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	(3)
	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.	
ELET 333	Microprocessor Architecture	(3)
	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 235. Co-requisite: ELET 313.	
ELET 410	Computer Control Systems Laboratory	(3)
	Experiments on computer control systems with emphasis on the practical aspects of control principles. Two hours of laboratory per week. Co-requisite: ELET 430.	
ELET 411	Microcomputer Networks Laboratory	(1)
	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.	
ELET 413	Microprocessor Interfacing Laboratory	(1)
	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.	
ELET 422	Advanced Structured Programming with C++	(3)
	Study of object oriented programming in C++ on workstations with Microsoft C/C++. Three hours of lecture per week. Prerequisite: ELET 130.	
ELET 430	Computer Control Systems	(3)
	Analysis and design of control systems with emphasis on control software, programmable controllers, and data acquisitions. Three hours of lecture per week. Prerequisites: ELET 235 and ELET 332. Co-requisite: ELET 410.	
ELET 431	Microprocessor Interfacing	(3)
	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 333. Co-requisite: ELET 413.	
ELET 440	Senior Electronics Project	(4)
	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 department chair.	
ELET 434	Microcomputer Networks	(3)
	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 235. Co-requisite: ELET 411.	
ELET 441	Electronics Senior Comprehensive	(0)
	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 department chair.	

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN CIVIL ENGINEERING
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (CIVIL ENGINEERING)	OTHER REQUIREMENTS
43 credits	TCCNS	61 credits	21 credits
<u>Communication:</u>		CIVE 110 (1)	CHEM 111 (1)
ENG 131 (3) **	ENGL 1301	CIVE 141 (3)	ENGR 310 (1)
ENG 132 (3)	ENGL 1302	CIVE 141L (1)	MATH 242 (4)
<u>Mathematics:</u>		CIVE 223 (3)	MATH 243 (4)
MATH 241 (4)	MATH 2312	CIVE 224 (3)	MATH 251 (3)
<u>Life and physical sciences:</u>		CIVE 224L (1)	MATH 345 (3)
CHEM 131 (3)	CHEM 1311	CIVE 231 (3)	PHYS 217 (1)
PHYS 251 (3)	PHYS 2325	CIVE 232 (3)	PHYS 218 (1)
<u>Language, philosophy, and culture:</u>		CIVE 233 (3)	PHYS 252 (3)
ENG 2xx (3) ***		CIVE 301 (3)	
<u>Creative arts:</u>		CIVE 301L (1)	
MUSIC 239 (3)	HUMA 1315	CIVE 332 (3)	
<u>American history:</u>		CIVE 333 (3)	
HIST 231 (3)	HIST 1301	CIVE 334 (3)	
HIST 232 (3)	HIST 1302	CIVE 336 (3)	
<u>Government/political science:</u>		CIVE 338 (3)	
POLS 235 (3)	GOVT 2305	CIVE 339 (3)	
POLS 236 (3)	GOVT 2306	CIVE 340 (3)	
<u>Social and behavioral sciences:</u>		CIVE 430 (6)****	
ECON 231 (3)	ECON 2301	CIVE 434 (3)	
<u>Institutional Options:</u>		Technical Elective (3)^	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	Technical Elective (3)^	
ENGR 131 (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)

****Non co-op track will allow students to satisfy internship requirement with completion of 6 credit hours in CIVE 400 Problems in Civil Engineering

^ Technical Electives may be selected from CIVE 335 (3), CIVE 435 (3), ENGR 433(3), CIVE 490 (3), & ENGR 480 (3)

BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING
DEGREE PLAN – TOTAL CREDITS: 125

FIRST SEMESTER		SECOND SEMESTER		
First Year	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
	CHEM 131 General Chemistry I	3	MUSIC 239 Fine Arts in Daily Living	3
	CHEM 111 General Chemistry I Lab	1	ENGR 131 Engineering Graphics	3
	CIVE 141 Civil Engineering Materials	3	CIVE 223 Hydrology and Water Resources	3
	CIVE 141L Civil Engr. Materials Lab	1		
	CIVE 110 Intro to Civil Engineering	1		
	16 hrs		16 hrs	
THIRD SEMESTER		FOURTH SEMESTER		
Second Year	ENG 2xx Upper Level English	3	MATH 251 Differential Equations	3
	MATH 243 Calculus&Analytic Geometry III	4	MATH 345 Applied Math and Statistics	3
	CIVE 231 Plane Surveying	3	CIVE 224 Geotechnical Engineering	3
	CIVE 232 Statics	3	CIVE 224L Geotechnical Engineering Lab	1
	PHYS 251 University Physics I	3	CIVE 233 Dynamics	3
	PHYS 217 University Physics I Lab	1	PHYS 252 University Physics II	3
			PHYS 218 University Physics II Lab	1
	17 hrs		17 hrs	
FIFTH SEMESTER		SIXTH SEMESTER		
Third Year	CIVE 301 Environmental Engineering	3	CIVE 333 Hydraulics Engineering	3
	CIVE 301L Environmental Engineering Lab	1	CIVE 338 Structural Analysis	3
	CIVE 332 Applied Fluid Mechanics	3	CIVE 434 Water and Wastewater Engineering	3
	CIVE 334 Transportation Engineering	3	ENGR 310 Intro to Project Management	1
	CIVE 336 Strength of Materials	3	HIST 231 Social & Political History of U.S. I	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
	16 hrs		16 hrs	
SEVENTH SEMESTER		EIGHTH SEMESTER		
Fourth Year	CIVE 339 Reinforced Concrete Design	3	CIVE 430 Engr Practicum or **CIVE 400	6
	CIVE 340 Structural Steel Design	3	***Technical Elective 3xx or 4xx	3
	*ECON 231 Principles of Economics I	3		
	HIST 232 Social & Political History of U.S. II	3		
	SC 135 Business and Prof. Communication	3		
	***Technical Elective 3xx or 4xx	3		
	18 hrs		9 hrs	

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

* ENGR 331 may be taken in lieu of ECON 231 to satisfy this option of the core requirement. Please see an advisor.

**Non co-op track will allow students to satisfy internship requirement with completion of 6 credit hours in CIVE 400 Problems in Civil Engineering

***The Technical Elective should be selected from one of the following three-credit courses:

- CIVE 335 Geometric Design of Highways
- CIVE 435 Civil Engr. Construction Methods
- CIVE 490 Introduction to Bridge Engineering
- ENGR 433 Alternative Energy
- ENGR 480 Construction Management

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN CIVIL ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 126**

CORE CURRICULUM (STANDARD)*		MAJOR (CIVIL ENGINEERING TECHNOLOGY)	OTHER REQUIREMENTS
42 credits	TCCNS	57 credits	27 credits
<u>Communication:</u>		CIVT 141 (3)	CHEM 111 (1)
ENG 131 (3) **	ENGL 1301	CIVT 223 (3)	DRFT 336 (3)
ENG 132 (3)	ENGL 1302	CIVT 224 (3)	ENGR 310 (1)
<u>Mathematics:</u>		CIVT 231 (3)	ENGT 331 (3)
MATH 133 (3)	MATH 1314	CIVT 232 (3)	ITEC 331 (3)
<u>Life and physical sciences:</u>		CIVT 233 (3)	MATH 134 (3)
CHEM 131 (3)	CHEM 1311	CIVT 301 (3)	MATH 241 (4)
PHYS 237 (3)	PHYS 1301	CIVT 332 (3)	MATH 242 (4)
<u>Language, philosophy, and culture:</u>		CIVT 333 (3)	PHYS 215 (1)
ENG 2xx (3) ***		CIVT 334 (3)	PHYS 216 (1)
<u>Creative arts:</u>		CIVT 335 (3)	PHYS 238 (3)
MUSIC 239 (3)	HUMA 1315	CIVT 336 (3)	
<u>American history:</u>		CIVT 337 (3)	
HIST 231 (3)	HIST 1301	CIVT 338 (3)	
HIST 232 (3)	HIST 1302	CIVT 340 (3)	
<u>Government/political science:</u>		CIVT 400 (3)	
POLS 235 (3)	GOVT 2305	CIVT 434 (3)	
POLS 236 (3)	GOVT 2306	CIVT 435 (3)	
<u>Social and behavioral sciences:</u>		Technical Elective (3)^	
SOC 157 (3)	SOCI 1301		
<u>Institutional Options:</u>			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
ENGR 131 (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)

^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	CHEM 111 General Chemistry I lab	1	SC 135 Business and Prof. Comm.
CHEM 131 General Chemistry I		3	CIVT 224 Geotechnical Engineering	3
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
ENGR 131 Engineering Graphics		3	MATH 134 Plane Trig. or MATH 136 Precal.	3
MATH 133 College Algebra		3	PHYS 237 College Physics I	3
CIVT 141 Civil Engineering Materials		3	PHYS 215 College Physics I Lab	1
		16 hrs		16 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 2xx Upper Level English	3	CIVT 223 Hydrology and Water Resources
MATH 241 Calculus & Analytic Geometry I		4	CIVT 233 Dynamics	3
PHYS 238 College Physics II		3	SOC 157 Introduction to Sociology	3
PHYS 216 College Physics II Lab		1	MUSIC 239/ART 131 Intro to Music or Art	3
CIVT 231 Plane Surveying		3	MATH 242 Calculus & Analytic Geometry II	4
CIVT 232 Statics		3		
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	HIST 231 Social & Political History of U.S. I	3	HIST 232 Social & Political History of US. II
CIVT 301 Environmental Engineering		3	CIVT 335 Geometric Design of Highway	3
CIVT 332 Applied Fluid Mechanics		3	CIVT 333 Hydraulics Engineering	3
CIVT 334 Transportation Engineering		3	CIVT 336 Structural Analysis	3
CIVT 338 Strength of Materials		3	CIVT 434 Water and Wastewater Engineering	3
	15 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	DRAFT 336 Computer Aided Drafting	3	ITEC 331 Technical Writing
POLS 235 American Political System I		3	POLS 236 American Political System II	3
CIVT 340 Structural Steel Design		3	CIVT 400 Problem in Civil Engineering Tech	3
CIVT 337 Reinforced Concrete Design		3	CIVT 435 Civil Engr. Construction Methods	3
ENGT 331 Engineering Economy		3	*Technical Elective 3xx or 4xx	3
ENGR 310 Intro to Project Management		1		
	16 hrs		15 hrs	

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

*The Technical Elective should be selected from one of the following three-credit courses:

MATH 345 Applied Mathematics and Statistics for Technology

MATH 474 Probability and Statistics II

ENGT 433 Alternative Energy Technology

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN ELECTRICAL AND COMPUTER ENGINEERING
COMPUTER ENGINEERING CONCENTRATION
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS
43 credits	TCCNS	60 credits	21 credits
<u>Communication:</u>		ECE 110 (1)	CHEM 111 (1)
ENG 131 (3) **	ENGL 1301	ECE 111 (1)	ENGR 131 (3)
ENG 132 (3)	ENGL 1302	ECE 131 (3)	ENGR 310 (1)
<u>Mathematics:</u>		ECE 211(1)	MATH 242 (4)
MATH 241 (4)	MATH 2312	ECE 215 (1)	MATH 243 (4)
<u>Life and physical sciences:</u>		ECE 231 (3)	MATH 251 (3)
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)
PHYS 251 (3)	PHYS 2325	ECE 236 (3)	PHYS 218 (1)
<u>Language, philosophy, and culture:</u>		ECE 311 (1)	PHYS 252 (3)
ENG 2xx (3) ***		ECE 312 (1)	
<u>Creative arts:</u>		ECE 319 (1)	
MUSIC 239 (3)	HUMA 1315	ECE 330 (3)	
<u>American history:</u>		ECE 331 (3)	
HIST 231 (3)	HIST 1301	ECE 332 (3)	
HIST 232 (3)	HIST 1302	ECE 336 (3)	
<u>Government/political science:</u>		ECE 337 (3)	
POLS 235 (3)	GOVT 2305	ECE 338 (3)	
POLS 236 (3)	GOVT 2306	ECE 339 (3)	
<u>Social and behavioral sciences:</u>		ECE 414 (1)	
ECON 231 (3)	ECON 2301	ECE 434 (3)	
<u>Institutional Options:</u>		ECE 436 (3)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 437 (3)	
ECE 130 (3)***	ENGR 2304	ECE 439(3)	
		ECE 441 (4)	
		ECE-ECX (0)	
		Technical Elective (3)^	

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

**MATH 241 will be taken in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

***ECE 130 will be taken in lieu of CS116 to satisfy the institutional option of core requirement.

^ Technical Electives may be selected from ECE 333 (3), ECE 435 (3), & ECE 239(3).

**BACHELOR OF SCIENCE DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING
COMPUTER ENGINEERING CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 124**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ECE 110 Introduction to Engineering	1	ECE 131 Circuit Analysis I	3
	ECE 130 Programming for Engr. Applications	3	ECE 111 Circuit Analysis Lab I	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	ENGR 131 Engineering Graphics	3	CHEM 131 General Chemistry I	3
	MATH 241 Calculus & Analytic Geometry I	4	CHEM 111 General Chemistry I Lab	1
	MUSIC 239/ART 131 Intro to Music or Art	3	MATH 242 Calculus & Analytic Geometry II	4
	17 hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	SC 135 Business and Prof. Communication	3	MATH 251 Differential Equation	3
	MATH 243 Calculus & Analytic Geometry III	4	PHYS 252 University Physics II	3
	PHYS 251 University Physics I	3	PHYS 218 University Physics II Lab	1
	PHYS 217 University Physics I Lab	1	ECE 235 Digital System	3
	ECE 231 Circuit Analysis II	3	ECE 215 Digital System Lab	1
	ECE 211 Circuit Analysis Lab II	1	ECE 236 Java Programming	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
	18 hrs		17 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ECE 330 Engineering Mathematical Analysis	3	ECE 336 Introductory to VLSI Design	3
	ECE 331 Electronic Circuits	3	ECE 337 Operating System	3
	ECE 311 Electronic Circuits Lab	1	ECE 338 Computer and Wireless Networks	3
	ECE 332 Microprocessor Architecture	3	ECE 339 Real-time Embedded Systems	3
	ECE 312 Microprocessor Architecture Lab	1	ECE 319 Real-time Embedded Syst. Lab	1
	HIST 231 Social & Political History of U.S. I	3	HIST 232 Social & Political History of US. II	3
	14 hrs		16 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ECE 434 Data Communications	3	ECE 437 Digital Signal Processing	3
	ECE 414 Data Communications Lab	1	ECE 439 Applied Cyber Security	3
	ECE 436 Artificial Intelligence	3	**Technical Elective	3
	*ECON 231 Principles of Economics I	3	ECE 441 Senior Project	4
	ENG 2xx Upper level English	3	ECE-ECX ECE Comprehensive Exam	0
	ENGR 310 Inro to Project Management	1		
	14 hrs		13 hrs	

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

*ENGR 331 may be taken in lieu of ECON 231 to satisfy this option of the core requirement.

**The Technical Elective should be selected from one of the following three-credit courses:

- ECE 239 Electromechanical Energy Conversions
- ECE 333 Software Engineering
- ECE 435 Network Programming

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN ELECTRICAL AND COMPUTER ENGINEERING
ELECTRICAL ENGINEERING CONCENTRATION
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS
43 credits	TCCNS	61 credits	21 credits
<u>Communication:</u>		ECE 110 (1)	CHEM 111 (1)
ENG 131 (3) **	ENGL 1301	ECE 111 (1)	ENGR 131 (3)
ENG 132 (3)	ENGL 1302	ECE 131 (3)	ENGR 310 (1)
<u>Mathematics:</u>		ECE 211(1)	MATH 242 (4)
MATH 241 (4)	MATH 2312	ECE 215 (1)	MATH 243 (4)
<u>Life and physical sciences:</u>		ECE 231 (3)	MATH 251 (3)
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)
PHYS 251 (3)	PHYS 2325	ECE 311 (1)	PHYS 218 (1)
<u>Language, philosophy, and culture:</u>		ECE 312 (1)	PHYS 252 (3)
ENG 2xx (3) ***		ECE 315 (1)	
<u>Creative arts:</u>		ECE 319 (1)	
MUSIC 239 (3)	HUMA 1315	ECE 330 (3)	
<u>American history:</u>		ECE 331 (3)	
HIST 231 (3)	HIST 1301	ECE 332 (3)	
HIST 232 (3)	HIST 1302	ECE 334 (3)	
<u>Government/political science:</u>		ECE 335 (3)	
POLS 235 (3)	GOVT 2305	ECE 338 (3)	
POLS 236 (3)	GOVT 2306	ECE 339 (3)	
<u>Social and behavioral sciences:</u>		ECE 412 (1)	
ECON 231 (3)	ECON 2301	ECE 432 (3)	
<u>Institutional Options:</u>		ECE 430 (3)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 433 (3)	
ECE 130 (3)***	ENGR 2304	ECE 437 (3)	
		ECE 438 (3)	
		ECE 441 (4)	
		ECE-ECX (0)	
		Technical Elective (3)^	

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

**MATH 241 will be taken in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

***ECE 130 will be taken in lieu of CS116 to satisfy the institutional option of core requirement.

^ Technical Electives may be selected from ECE 336 (3), ECE 435 (3), ECE 430 (3), ECE 333, & ECE 239(3)

**BACHELOR OF SCIENCE DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING
ELECTRICAL ENGINEERING CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 125**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ECE 110 Introduction to Engineering	1	ECE 131 Circuit Analysis I
ECE 130 Programming for Engr. Applications		3	ECE 111 Circuit Analysis Lab I	1
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
ENGR 131 Engineering Graphics		3	CHEM 131 General Chemistry I	3
MATH 241 Calculus & Analytic Geometry I		4	CHEM 111 General Chemistry I Lab	1
MUSIC 239/ART 131 Intro to Music or Art		3	MATH 242 Calculus & Analytic Geometry II	4
		17 hrs		15 hrs
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	SC 135 Business and Prof. Communication	3	MATH 251 Differential Equation
MATH 243 Calculus & Analytic Geometry III		4	PHYS 252 University Physics II	3
PHYS 251 University Physics I		3	PHYS 218 University Physics II Lab	1
PHYS 217 University Physics I Lab		1	ECE 235 Digital System	3
ECE 231 Circuit Analysis II		3	ECE 215 Digital System Lab	1
ECE 211 Circuit Analysis Lab II		1	ENG 2xx Upper level English	3
POLS 235 American Political System I		3	POLS 236 American Political System II	3
		18 hrs		17 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ECE 330 Engineering Mathematical Analysis	3	ECE 334 Signal and System
ECE 331 Electronic Circuits		3	ECE 335 Control Systems	3
ECE 311 Electronic Circuits Lab		1	ECE 315 Control System Lab	1
ECE 332 Microprocessor Architecture		3	ECE 338 Computer and Wireless Networks	3
ECE 312 Microprocessor Architecture Lab		1	ECE 339 Real-time Embedded System	3
HIST 231 Social & Political History of U.S. I		3	ECE 319 Real-time Embedded System Lab	1
			HIST 232 Social & Political History of US. II	3
		14 hrs		17 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ECE 430 Applied Electromagnetics	3	ECE 433 Microwave Engineering
ECE 432 Communication Systems		3	ECE 437 Digital Signal Processing	3
ECE 412 Communication System Lab		1	ECE 438 Power System Analysis	3
*ECON 231 Principles of Economics I		3	ECE 441 Senior Project	4
**Technical Elective		3	ECE-ECX ECE Comprehensive Exam	0
ENGR 310 Intro to Project Management		1		
		14 hrs		13 hrs

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

ENGR 331 may be taken in lieu of ECON 231 to satisfy this option of the core requirement.

**The Technical Elective should be selected from one of the following three-credit courses:

- ECE 239 Electromechanical Energy Conversions
- ECE 333 Software Engineering
- ECE 336 Introductory to VLSI Design
- ECE 435 Network Programming

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN COMPUTER ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER ENGINEERING TECHNOLOGY)	OTHER REQUIREMENTS	
42 credits	TCCNS	52 credits	30 credits	
<u>Communication:</u>		ELET 111 (1)	CHEM 111 (1)	
ENG 131 (3) **	ENGL 1301	ELET 113 (1)	DRFT 233 (3)	
ENG 132 (3)	ENGL 1302	ELET 114 (1)	ENGT 331 (3)	
<u>Mathematics:</u>		ELET 131 (3)	ENGR 310 (1)	
MATH 133 (3)	MATH 1314	ELET 133 (3)	ITEC 331 (3)	
<u>Life and physical sciences:</u>		ELET 134 (3)	MATH 134 (3)	
CHEM 131 (3)	CHEM 1311	ELET 215 (1)	MATH 241 (4)	
PHYS 237 (3)	PHYS 1301	ELET 235 (3)	MATH 242 (4)	
<u>Language, philosophy, and culture:</u>		ELET 313 (1)	MATH 345 (3)	
ENG 2xx (3) ***		ELET 333 (3)	PHYS 215 (1)	
<u>Creative arts:</u>		ELET 411 (1)	PHYS 216 (1)	
MUSIC 239 (3)	HUMA 1315	ELET 422 (3)	PHYS 238 (3)	
<u>American history:</u>		ELET 434 (3)		
HIST 231 (3)	HIST 1301	CMET 331 (3)		
HIST 232 (3)	HIST 1302	CMET 412 (1)		
<u>Government/political science:</u>		CMET 415 (1)		
POLS 235 (3)	GOVT 2305	CMET 416 (1)		
POLS 236 (3)	GOVT 2306	CMET 417 (1)		
<u>Social and behavioral sciences:</u>		CMET 431 (3)		
SOC 157 (3)	SOCI 1301	CMET 435 (3)		
<u>Institutional Options:</u>		CMET 436 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	CMET 437 (3)		
ELET 130 (3)	ENGR 2304	CMET 438 (3)		
		CMET 441 (0)		
		CMET 470 (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)

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 Trig. or MATH 136 Precal.	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 331 Engineering Economy	3
ELET 215 Digital Systems Lab		1	MUSIC 239 Fine Arts in Daily Living	3
ELET 235 Digital Systems		3	SC 135 Business & Prof. Comm.	3
MATH 241 Calculus & Geometry I		4	POLSC 232 America Pol System II	3
POLSC 231 America Pol System I		3		
ENG 2xx Upper level English		3		
		18 hrs		16 hrs
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	ELET 313 Microprocessor Architecture Lab	1	ELET 422 Advanced Stru. Prog. With C++
ELET 333 Microprocessor Architecture		3	ITEC 331 Technical Writing	3
CMET 331 MicroComputer Operating Syst.		3	PHYS 238 College Physics II	3
MATH 345 Applied Math & Stat. for Tech.		3	PHYS 216 Phys for Eng. II 1	1
PHYS 237 College Physics I		3	HIST 232 Soc. Pol. His. of U.S.II	3
PHYS 215 Physics for Eng.Lab I		1	ENGR 310 Intro to Project Management	1
HIST 231 Soc. Pol. His. of U.S.I		3		
		17 hrs		14 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	ELET 411 Micro Computer Networks Lab.	1	CMET 415 Adv. MicroCom. Networks Lab 1
ELET 434 Micro Computer Networks		3	CMET 435 Advanced MicroCom. Networks	3
CMET 412 Senior Project I		1	CMET 417 Data Commun. Methods Lab	1
CMET 416 Applied Microprocessor Soft. Lab		1	CMET 437 Data Communication Methods	3
CMET 436 Applied Microprocessor Soft		3	CMET 432 Senior Project II	3
SOC 157 Into to Sociology		3	CMET 438 Artificial Intelligence	3
			CMET 441 Computer Eng. Tech. Comp.Exam	0
			CMET 470 Java Programming	3
		12 hrs		17 hrs

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

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN ELECTRONICS ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRONICS ENGINEERING TECHNOLOGY)	OTHER REQUIREMENTS	
42 credits	TCCNS	51 credits	31 credits	
<u>Communication:</u>		ELET 111(1)	CHEM 111 (1)	
ENG 131 (3) **	ENGL 1301	ELET 113(1)	DRFT 233 (3)	
ENG 132 (3)	ENGL 1302	ELET 114(1)	ENGT 331 (3)	
<u>Mathematics:</u>		ELET 131(3)	ENGR 310 (1)	
MATH 133 (3)	MATH 1314	ELET 133(3)	ITEC 331 (3)	
<u>Life and physical sciences:</u>		ELET 134 (3)	MATH 134 (3)	
CHEM 131 (3)	CHEM 1311	ELET 212(1)	MATH 241 (4)	
PHYS 237 (3)	PHYS 1301	ELET 215 (1)	MATH 242 (4)	
<u>Language, philosophy, and culture:</u>		ELET 232(3)	MATH 345 (3)	
ENG 2xx (3) ***		ELET 235 (3)	PHYS 215 (1)	
<u>Creative arts:</u>		ELET 311 (1)	PHYS 216 (1)	
MUSIC 239 (3)	HUMA 1315	ELET 312 (1)	PHYS 238 (3)	
<u>American history:</u>		ELET 313(1)		
HIST 231 (3)	HIST 1301	ELET 331(3)		
HIST 232 (3)	HIST 1302	ELET 332(3)		
<u>Government/political science:</u>		ELET 333(3)		
POLS 235 (3)	GOVT 2305	ELET 410 (1)		
POLS 236 (3)	GOVT 2306	ELET 411(1)		
<u>Social and behavioral sciences:</u>		ELET413 (1)		
SOC 157 (3)	SOCI 1301	ELET 422 (3)		
<u>Institutional Options:</u>		ELET 430(3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ELET 431 (3)		
ELET 130 (3)	ENGR 2304	ELET 434(3)		
		ELET 440 (4)		
		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)

^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 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
MATH 133 College Algebra		3	MATH 134 Plane Trig. or Math 136 Precal.	3
ELET 111 DC Circuit Lab		1	ELET 113 AC 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
			SC 135 Business & Prof. Comm.	3
	16 hrs		17 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	ENG 2xx Upper level English	3	MATH 242 Calculus & Anal. Geometry
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
ELET 333 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
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
ENGR 310 Intro to Project Management		1	ELET 440 Senior Electronics Project	4
MUSIC 239 Fine Arts in Daily Living		3	ELET 441 Electronics SR. Comp	0
ENGT 333 Ethics in Prof. Engr. Practice		1	ELET 422 Advanced Stru. Prog. With C++	3
	13 hrs		15 hrs	

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

MASTER COURSE SCHEDULE FOR FALL 2016 TO SUMMER 2018 ENGINEERING

COURSE NUMBER	COURSE NAME	CR HRS	FALL	SPR	SUM	FALL	SPR	SUM	PREREQUISITES	COREQS
CIVE 110	Introduction to Civil Engineering	1	x	x		x	x		NONE	NONE
CIVE 141	Civil Engineering. Materials	3	x	x		x	x		NONE	CIVE 141L
CIVE 141 Lab	Civil Engineering. Materials Lab	3	x	x		x	x		NONE	CIVE 141
CIVE 223	Water Resource Engineering	3		x			x		NONE	NONE
CIVE 224	Geotechnical Engineering	3		x			x		MATH 241 & CIVE 141	CIVE 224L
CIVT 224 Lab	Geotechnical Engineering Lab	1		x			x		CIVE 141L	CIVE 224
CIVE 231	Plane Surveying I	3	x			x			MATH 241	NONE
CIVE 232	Statics	3	x			x			MATH 241 & PHYS 251	NONE
CIVE 233	Dynamics	3		x			x		CIVE 232	NONE
CIVE 301	Environmental Engineering	3	x			x			CHEM 131 & CHEM 11	CIVE 310L
CIVE 301 Lab	Environmental Engineering Lab	1	x			x			NONE	CIVE 301
CIVE 332	Applied Fluid Mechanics	3	x			x			CIVE 232 & MATH 241	NONE
CIVE 333	Hydraulics Engineering	3		x			x		CIVE 332	NONE
CIVE 334	Transportation Engineering	3	x			x			CIVE 231	NONE
CIVE 335	Geometric Des of Highways	3		x			x		MATH 241& CIVE 334	NONE
CIVE 336	Structural Material	3	x			x			MATH 242, CIVE232 & PHYS 251	NONE
CIVE 338	Strength of Analysis	3		x			x		CIVT 336	NONE
CIVE 339	Reinforced Concrete Design	3	x			x			CIVE 336 & CIVE 141	NONE
CIVE 340	Structural Steel Design	3	x			x			CIVE 338	NONE
CIVE 400	Civil Engineering Project	3							NONE	CIVE 340
CIVE 430	Engineering Practicum	6							NONE	NONE
CIVE 434	Water and Wastewater Engineering	3		x			x		CIVE 301& CIVE 333	NONE
CIVE 435	Building Construction	3		x			x		CIVE 339 & CIVE 340	NONE
CIVE 490	Introduction to Bridge Engineering	3	x			x			CIVE 338	NONE
ECE 110	Introduction to Electrical and Computer Engineering	1	x	x		x	x		NONE	NONE
ECE 111	Circuit Analysis I Lab	1	x			x			NONE	ECE 131
ECE 130	Programming for Engineering Application	3	x	x		x	x		NONE	NONE
ECE 131	Circuit Analysis I	3	x			x			MATH 241	ECE 111
ECE 211	Circuit Analysis II Lab	1		x			x		NONE	ECE 231
ECE 215	Digital Systems Lab	1	x			x			MATH 241 & PHYS 251	ECE 235
ECE 231	Circuit Analysis II	3		x			x		ECE 131 & MATH 241	ECE 211
ECE 235	Digital Systems	3	x			x			ECE 231	ECE 215
ECE 236	Java Programming	3		x			x		ECE 130	NONE
ECE 239	Electromechanical Energy Conversions	3	x			x			ECE 231&PHYS 251	PHYS 252
ECE 311	Electronic Circuits Lab	1	x			x			NONE	ECE 331
ECE 312	Microprocessor Architecture Lab	1	x	x		x			NONE	ECE 332

ECE 315	Control System Lab	1	x	x		x	x		NONE	ECE 335
ECE 319	Real-Time Embedded Systems Lab	1							NONE	ECE 339
ECE 330	Engineering Mathematical Analysis	3	x			x			MATH 251	NONE
ECE 331	Electronic Circuits	3	x			x			ECE 231 & MATH 242	ECE 311
ECE 332	Microprocessor Architecture	3	x	x		x			ECE 235	ECE 312
ECE 333	Software Engineering	3		x			x		ECE 236	NONE
ECE 334	Signal and System	3	x	x					MATH 242	NONE
ECE 335	Control System	3	x	x		x	x		ECE 330 & ECE 331	ECE 315
ECE 336	Introduction to VLSI Design	3		x			x		ECE 331 & ECE 332	NONE
ECE 337	Operating System	3	x			x			ECE 332 & Junior Standing	NONE
ECE 338	Computer and Wireless Networks	3	x	x		x	x		ECE 332	NONE
ECE 339	Real-Time Embedded Systems	3	x	x		x	x		ECE 332	ECE 319
ECE 412	Communication Systems Lab	1	x	x		x	x		NONE	ECE 432
ECE 414	Data Communications Lab	1		x		x			NONE	ECE 434
ECE 430	Applied Electromagnetics	3	x						ECE 330	NONE
ECE 431	Special Topics	3	x	x		x	x		Consent of Faculty Chair	NONE
ECE 432	Communication Systems	3				x			ECE 330 and ECE 331	ECE 412
ECE 433	Microwave Engineering	3	x	x		x	x		ECE 430	NONE
ECE 434	Data Communications	3	x			x			ECE 338	ECE 414
ECE 435	Network Programming	3		x			x		ECE 338	NONE
ECE 436	Artificial Intelligence	3		x			x		Senior Standing	NONE
ECE 437	Digital Signal Processing	3	x			x			ECE 235 and Math 243	NONE
ECE 438	Power System Analysis	3	x			x			ECE 331 , MATH 243 & PHYS 252	NONE
ECE 439	Applied Cyber Security	3		x			x		ECE 338	NONE
ECE 441	Senior Project	4	x	x		x	x		Senior Standing	NONE
ECE - ECX	ECE comprehensive Exam	0	x	x	x	x	x	x	Senior Standing	NONE
ENGR 131	Engineering Graphics	3	x	x		x	x		NONE	NONE
ENGR 310	Introduction to Project Management	1	x	x		x	x		NONE	NONE
ENGR 33	Engineering Economy	3	x	x		x	x		MATH 242	NONE
ENGR 333	Ethics in Prof Eng Practice	1	x	x		x	x		NONE	NONE
ENGR 433	Alternative Energy	1	x	x		x	x		NONE	NONE
ENGR 480	Construction Management	3	x	x		x	x		NONE	NONE

MASTER COURSE SCHEDULE FOR FALL 2016 TO SUMMER 2018 TECHNOLOGY

COURSE NUMBER	COURSE NAME	CR HRS	FALL	SPR	SUM	FALL	SPR	SUM	PREREQUISITES	COREQS
CIVT 141	Civil Engineering. Materials	3	x	x		x	x		NONE	NONE
CIVT 223	Hydrology and Water Resources	3		x			x		MATH 134	NONE
CIVT 224	Geotechnical Engineering	3		x			x		MATH 134 & CIVT 141	NONE
CIVT 231	Plane Surveying	3	x			x			NONE	NONE
CIVT 232	Statics	3	x			x			MATH 134 & PHYS 237	NONE
CIVT 233	Dynamics	3		x			x		MATH 241 & CIVT 232	NONE
CIVT 301	Environmental Engineering	3	x			x			CHEM 111 & CHEM 131	NONE
CIVT 332	Applied Fluid Mechanics	3	x			x			CIVT 232 & MATH 242	NONE
CIVT 333	Hydraulic Engineering	3		x			x		CIVT 332	NONE
CIVT 334	Transportation Engineering	3	x			x			CIVT 231	NONE
CIVT 335	Geometric Des of Highways	3		x			x		MATH 241 & CIVT 334	NONE
CIVT 336	Structural Analysis	3					x		CIVT 338	NONE
CIVT 337	Reinforced Concrete Design	3		x			x		CIVT 336	NONE
CIVT 338	Strength of Material	3	x			x			CIVT 232, Math 241 & PHYS 237	NONE
CIVT 340	Structural Steel Design	3	x			x			CIVT 336	NONE
CIVT 400	Civil Engineering Tech Project	3	x			x			NONE	CIVT 340
CIVT 434	Sanitary Engineering	3		x			x		CIVT 301	NONE
CIVT 435	Building Construction	3		x			x		CIVT 337 & CIVT 340	NONE
CIVT 436	Civil Engineering Construction Methods	3		x			x		CIVT 337	NONE
CMET 331	Microcomputer Operating System	3		x			x		ELET 130	NONE
CMET 412	Senior Project I	1		x			x		Senior Status	NONE
CMET 415	Advanced Microcomp Network Lab	1		x			x		NONE	CMET 435
CMET 416	Appl of Microproc Software Lab	1	x			x	x		NONE	CMET436
CMET 417	Data Communication Methods Lab			x			x		NONE	CMET 437
CMET 419	Peripheral Hardware Lab			x			x		NONE	CMET 439
CMET 432	Senior Project II	3					x		CMET 412 & Senior Standing	NONE
CMET 435	Advanced Microcomp Networks	3		x			x		ELET 434	NONE
CMET 436	Appl of Microproc Software	3	x			x			ELET 333	CMET 416
CMET 437	Data Communication Methods	3	x			x			NONE	CMET417 & MATH 345
CMET 438	Artificial Intelligence	3		x			x		ELET 422	NONE

CMET 441	Computer Engr Tech Comp Exam	0	x	x		x	x		Senior	NONE
CMET 470	Java Programming	3	x			x			ELET 422 & Senior Standing	NONE
ELET 111	Direct Current Circuits Lab	1	x	x		x	x		NONE	ELET 131
ELET 113	Alternating Current Circuits Lab	1	x	x	x	x	x	x	NONE	ELET133
ELET 114	Electronics I Lab	3	x			x			NONE	ELET 134
ELET 130	Intro to Structured Prog with C++	3	x	x		x	x		NONE	NONE
ELET 131	Direct Current Circuits	3	x	x		x	x		NONE	ELET 111
ELET 133	Alternating Current Circuit	3		x			x		ELET 131	ELET 113
ELET 134	Electronics I	3	x	x		x	x		ELET 133	ELET 114
ELET 212	Electronics II Lab	1	x	x		x	x		ELET 133	ELET 232
ELET 215	Digital System Lab	1		x			x		NONE	ELET 235
ELET 223	Electric Machines	3	x			x			ELET 134	NONE
ELET 232	Electronics II	3	x			x			ELET 134	ELET 212
ELET 235	Digital Systems	3	x			x			ELET 133	ELET 215
ELET 311	Communications Systems Lab	1	x			x			NONE	ELET 331
ELET 312	Control System Lab	1		x			x		NONE	ELET 332
ELET 313	Microprocessor Architecture Lab	1	x			x			NONE	ELET 333
ELET 322	Integrated Circuits	3		x			x		ELET 235	ELET 235
ELET 323	Digital Signal Processing	3		x			x		MATH 242 & ELET 235	NONE
ELET 331	Communications Systems	3		x			x		MATH 242 & ELET 232	ELET 311
ELET 332	Control System	3	x			x			ELET232	ELET 312 & MATH 345
ELET 333	Microprocessor Architecture	3	x			x			ELET 235	ELET 313
ELET 410	Computer Control Systems Lab	1	x			x			NONE	ELET 430
ELET 411	Microcomputer Networks Lab	1	x			x			NONE	ELET 434
ELET 413	Microprocessor Interfacing Lab	1	x	x		x	x		NONE	ELET 431
ELET 422	Advanced Structured Prog. With C++	3	x	x		x	x		ELET 130	NONE
ELET 430	Computer Control Systems	3		x			x		ELET 235 & ELET 332	ELET 410
ELET 431	Microprocessor Interfacing	3		x	x		x	x	ELET 333	ELET 413
ELET 440	Senior Electronics Project	3	x	x		x	x		Senior Standing	NONE
ELET 434	Microcomputer Networks	3	x			x			ELET 235	ELET411
ELET 441	Electronics Senior Comprehensive	0	x	x		x	x		Senior Standing	NONE
ELET 442	Special Topics	3	x	x	x	x	x	x	CONSENT OF THE CHAIR	NONE
ENGT 111	Introduction to Project Management	1	x	x		x	x		NONE	NONE
ENGT 331	Engineering Economy	3	x	x		x	x		NONE	NONE
ENGT 333	Ethics in Prof Eng Practice	1	x	x		x	x		NONE	NONE
ENGT 433	Alternative Energy Tech	3		x			x		NONE	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 and Director of the Environmental Toxicology Program 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>Shishodia, Shishir Associate Professor of Biology, Interim Chair and Interim Associate Dean for Academic Affairs Ph.D. Banaras Hindu University M.S. Banaras Hindu University B.S. Ranchi University</p>

ENVIRONMENTAL AND INTERDISCIPLINARY SCIENCES COURSES

GEOLOGY 141

INTRODUCTION TO 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 GEOLOGY 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. All transfer students and those students requesting a minor in Industrial Technology must have a GPA of 2.5 or better.**

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 Methods	(2)
	Sources, properties, acceptable and recommended applications of industrial materials in the construction industry. Two hours of lecture week and two per week.	
CONS 141L	Materials and Applications Lab	(1)
	Laboratory exercises on applications of industrial materials. Two hours of laboratory per week. Corequisite: 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. Corequisite: 242; 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. Corequisite: 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. Corequisite: 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. Corequisite: CONS 243.	
CONS 244	Construction Safety	(3)
	Examination of specialized procedures in health, safety, and environmental protection and lost 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. Corequisite: CONS 331; 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. Corequisite: 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. Corequisite: 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. Corequisite: CONS 333.	
CONS 334	Concrete Technology	(1)
	Methods for forming concrete, concrete elements and handling, and reinforced concrete. One hour of lecture per week. Corequisite: 334L; Prerequisites: CONS 242 and DRFT 133.	
CONS 334L	Concrete Technology Lab	(2)
	Exercises in forming, elements, and handling of concrete. Four hours of laboratory per week. Corequisite: CONS 334.	
CONS 341	MEPFI Systems	(2)
	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. Corequisite: 341L; Prerequisites: CONS 242 and DRFT 232 or the equivalents.	
CONS 341L	MEPFI Systems Lab	(1)
	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. Corequisite: CONS 341.	
CONS 344	Construction Management I	(1)
	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. Corequisite: CONS 344L; Prerequisite: CONS 334.	
CONS 344L	Construction Management I Lab	(2)
	Exercises in the stages of construction, management information systems, and operations management. Four hours of laboratory per week. Corequisite: CONS 344.	
CONS 433	Estimating	(2)
	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.	

CONS 433L	Estimating Lab	(1)
	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. Corequisite: CONS 433	
CONS 435	Contracts and Specifications	(3)
	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.	
CONS 436	Construction Management II	(2)
	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. Corequisite: CONS 436L; Prerequisite: Senior standing or consent of the instructor.	
CONS 436L	Construction Management II Lab	(1)
	Exercises in the management functions of construction projects. Two hours of laboratory per week. Corequisite: CONS 436.	
CONS 437	Construction Problems	(3)
	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.	
CONS 451	Mechanical Systems	(1)
	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. Corequisite: CONS 451L; Prerequisite: Consent of the instructor.	
CONS 451L	Mechanical Systems Lab	(2)
	Laboratory exercises covering principles of air conditioning and heating systems used in commercial and residential buildings. Four hours of laboratory per week. Corequisite: CONS 451.	
CONS 475	Facilities Management	(2)
	Techniques in the overall management and maintenance of facilities such as schools, housing projects, and municipal buildings. Organization, supervision, and life cycle costing using computer applications emphasized. Two hours of lecture per week. Corequisite: CONS 475L; Prerequisite: Senior level or consent of the instructor.	
CONS 475L	Facilities Management Lab	(1)
	Laboratory exercises on sketching, costing, and computer applications of facilities. Two hours of laboratory per week. Corequisite: CONS 475.	

DRAFTING AND DESIGN TECHNOLOGY COURSES

DRFT 131	Fundamentals of Drafting	(1)
	Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. One hour of lecture per week. Corequisite: DRFT 131L.	
DRFT 131L	Fundamentals of Drafting Lab	(2)
	Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. Four hours of laboratory per week. Corequisite: DRFT 131.	
DRFT 132	Descriptive Geometry	(1)
	Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. One hour of lecture and four hours of laboratory per week. Corequisite: DRFT 132L; Prerequisite: DRFT 131.	
DRFT 132L	Descriptive Geometry Lab	(2)
	Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. Four hours of laboratory per week. Corequisite: DRFT 132.	
DRFT 133	Architectural Drafting	(1)
	Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Space planning and design in buildings with code requirements. One hour of lecture per week. Corequisite: DRFT 133L; Prerequisite: DRFT 131.	
DRFT 133L	Architectural Drafting Lab	(2)
	Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Four hours of laboratory per week. Corequisite: DRFT 133.	
DRFT 134	Mechanical Drawing	(2)
	Machine components (threads, pulleys, gears, etc.) modeling and drafting with orthographic and supplementary projections. General tolerances and GD&T, detail and assembly machine drawings. Two hours of lecture per week. Corequisite: DRFT 134L; Prerequisite: DRFT 131.	
DRFT 134L	Mechanical Drawing Lab	(1)
	Orthographic and Supplementary projections, threads and fasteners, tolerances including GD&T, detail and assembly machine drawings. Two hours of laboratory per week. Corequisite: DRFT 134.	
DRFT 136	Architectural Rendering	(1)
	Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. One hour of lecture per week. Corequisite: DRFT 136L; Prerequisite: DRFT 133.	
DRFT 136L	Architectural Rendering Lab	(2)
	Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. Four hours of laboratory per week. Corequisite: DRFT 136.	

DRFT 231	Pipe Drafting	(2)
	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. Corequisite: DRFT 231L; Prerequisite: DRFT 131.	
DRFT 231L	Pipe Drafting Lab	(1)
	Piping terminology, equipments, valves, pipe fittings and instruments; PFDs and P&ID, piping isometric drawings. Two hours of laboratory per week. Corequisite: DRFT 231.	
DRFT 232	Architectural Design	(2)
	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. Corequisite: DRFT 232L; Prerequisite: DRFT 133.	
DRFT 232L	Architectural Design Lab	(1)
	Graphic modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of laboratory per week. Corequisite: DRFT 232.	
DRFT 233	Introduction to Computer-Aided Design	(1)
	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. Corequisite: DRFT 233L; Prerequisite: DRFT 131 or Permission from Instructor.	
DRFT 233L	Introduction to Computer-Aided Design Lab	(2)
	Basic concepts, operations, and procedures necessary for producing solid models and engineering drawings on the computer. Four hours of laboratory per week. Corequisite: DRFT 233.	
DRFT 331	Pipe System Design	(2)
	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. Corequisite: DRFT 331L; Prerequisite: DRFT 231.	
DRFT 331L	Pipe System Design Lab	(1)
	Piping system layout considerations, solid modeling of piping units and systems using industry standard software. Two hours of laboratory per week. Corequisite: DRFT 331.	
DRFT 333	Machine Design	(2)
	Machine diagrams. Theory and practice of design of shafts, gears, cams, assembly modeling and drawings of machine. Two hours of Lecture per week. Corequisite: DRFT 333L; Prerequisite: DRFT134 or DRFT 233.	

DRFT 333L	Machine Design Lab	(1)
	Design practice of shafts, gears, cams, etc.; assembly modeling and drawings of machine. Two hours of laboratory per week. Corequisite: DRFT 333.	
DRFT 336	Computer Aided Design	(2)
	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 per week. Corequisite: DRFT 336L; Prerequisite: DRFT 134 or DRFT 233.	
DRFT 336L	Computer Aided Design Lab	(1)
	Advanced and parametric modeling of components and assemblies. Design sizing and analysis. CAD and rapid prototyping. Two hours of laboratory per week. Corequisite: DRFT 336; Prerequisite: DRFT 134 or DRFT 233.	
DRFT 430	Advanced Computer-Aided Design	(2)
	Continuation of DRFT 233 with emphasis on advanced solid modeling such as parametric modeling and detailed assembly drawings. Two hours of lecture per week. Corequisite: DRFT 430L; Prerequisite: DRFT 233.	
DRFT 430L	Advanced Computer-Aided Design Lab	(1)
	Continuation of DRFT 233 with emphasis on advanced solid modeling and detailed assembly. Two hours of laboratory per week. Corequisite: DRFT 430.	
DRFT 431	Structural Design	(2)
	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. Corequisite: DRFT 431L Prerequisites: DRFT 232 or the consent of the instructor.	
DRFT 431L	Structural Design Lab	(1)
	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. Corequisite: DRFT 431.	
DRFT 432	Senior Design Project	(1)
	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.	
DRFT 432L	Senior Design Project Lab	(2)
	Integration of previous knowledge in the development of a design project. Four hours of laboratory per week. Corequisite: DRFT 432.	

INDUSTRIAL TECHNOLOGY COURSES

ITEC 111	Orientation	(1)
	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.	
ITEC 131	Introduction to Community Development	(3)
	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.	
ITEC 331	Technical Writing	(3)
	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.	
ITEC 333	Industrial Supervision and Management	(3)
	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.	
ITEC 335	Community Development Finance	(3)
	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.	
ITEC 412	Senior Seminar	(1)
	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.	
ITEC 439	Industrial Safety	(3)
	Study of safety management and enforcement techniques in an industrial environment with emphasis on personal safety. Three hours of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.	

AUTOMATED MANUFACTURING TECHNOLOGY COURSES

MFG 131	Manufacturing Technology I	(1)
	Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. One hour of lecture per week. Corequisite: MFG 131L.	
MFG 131L	Manufacturing Technology I Lab	(2)
	Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. Four hours of laboratory per week. Corequisite: MFG 131.	
MFG 231	Manufacturing Processes	(2)
	Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of lecture per week. Corequisite: MFG 231L.	
MFG 231L	Manufacturing Processes Lab	(1)
	Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of laboratory per week. Corequisite: MFG 231.	
MFG 232	Manufacturing Technology II	(1)
	Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. One hour of lecture per week. Corequisite: MFG 232L; Prerequisite: MFG 131.	
MFG 232L	Manufacturing Technology II Lab	(2)
	Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. Four hours of laboratory per week. Corequisite: MFG 232.	
MFG 331	CNC Computer Programming	(1)
	Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. One hour of lecture per week. Corequisite: MFG 331L; Prerequisite: Consent of the instructor.	
MFG 331L	CNC Computer Programming Lab	(2)
	Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. Four hours of laboratory per week. Corequisite: MFG 331.	

MFG 332	Robotics Technology	(1)
	Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. One hour of lecture per week. Corequisite: MFG 332L; Prerequisite: MFG 331.	
MFG 332L	Robotics Technology Lab	(2)
	Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. Four hours of laboratory per week. Corequisite: MFG 332.	
MFG 333	Strength of Materials	(2)
	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. Corequisite: MFG 333L; Prerequisites: Math 134 and Physics 237 or permission from instructor.	
MFG 333L	Strength of Materials Lab	(1)
	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. Corequisite: MFG 333.	
MFG 432	Flexible Manufacturing Systems	(1)
	Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture per week. Corequisite: MFG 432L; Prerequisite: MFG 331.	
MFG 432L	Flexible Manufacturing Systems Lab	(2)
	Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. Four hours of laboratory per week. Corequisite: MFG 432.	
MFG 433	Manufacturing Technology Problems	(1)
	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. Corequisite: MFG 433L; Prerequisites: Senior standing and consent of the instructor.	
MFG 433L	Manufacturing Technology Problems Lab	(2)
	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. Corequisite: MFG 433.	

COOPERATIVE EDUCATION COURSES

COE 233

Cooperative Education I

(3)

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.

COE 235

Cooperative Education II

(3)

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.

COE 333

Cooperative Education III

(3)

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.

COE 433

Cooperative Education IV

(3)

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.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY CONCENTRATION
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM* (STANDARD)	TCCNS	MAJOR (CONSTRUCTION TECH)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	36 credits	44 credits	
<u>Communication:</u>				
ENG 131 (3)**	ENGL 1301	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 333 (3)	DRFT 133 (3)	
<u>Life and physical science:</u>				
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CONS 341 (3)	DRFT 431 (3)	
PHYS 237 (3)	PHYS 1301	CONS 344 (3)	ELET 131 (3)	
<u>Language, philosophy, and culture:</u>				
ENG 2xx (3)***		CONS 435 (3)	ITEC 331 (3)	
<u>Creative arts:</u>				
ART 131 (3)	ARTS 1316	CONS 437 (3)	ITEC 412 (1)	
<u>American history:</u>				
HIST 231 (3)	HIST 1301		MATH 138 (3)	
HIST 232 (3)	HIST 1302		MFG 333 (3)	
<u>Government/political science:</u>				
POLS 235 (3)	GOVT 2305		ELECTIVES (6)****	
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 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, OR ENGL 2326)

^Math 138 - prerequisite for ACCT 231

**** ELECTIVES should be selected from the following courses: CIVT 232, CONS 244, CONS 243, COE

**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 122**

	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 Analysis 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		1	CONS 334L Concrete Technology Lab	2
CONS 242L Framing Principles Lab		2	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	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		1	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	1
CONS 344 Construction Management I		1	CONS 433 Estimating	2
CONS 344L Construction Management I Lab		2	CONS 433L Estimating Lab	1
ITEC 331 Technical Writing		3	MFG 333 Strength of Materials	2
ITEC 333 Supervision and Management		3	MFG 333L Strength of Materials Lab	1
ITEC 439 Industrial Safety		3	SC 135 or 136 Business & Professional	3
	18 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CONS 436 Construction Management II	1	CONS 437 Construction Problems
CONS 436L Construction Management II Lab		2	ITEC 412 Senior Seminar	1
CONS 435 Contracts and Specifications		3	CONS 475 Facilities Management	2
DRFT 431 Structural Design		1	CONS 475L Facilities Management Lab	1
DRFT 431L Structural Design Lab		2	ELECTIVE	3
ELECTIVE		3	Comprehensive Examination	0
	12 hrs		10 hrs	

***Pending acceptable score on English and Mathematics Placement Examination.**

Name _____ T# _____

Address _____ Telephone # _____

Academic Advisor _____

Chair _____ Date _____

Dean _____ Date _____

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM* (STANDARD)	TCCNS	MAJOR (CONSTRUCTION TECH)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	33 credits	45 credits	
<u>Communication:</u>				
ENG 131 (3)**	ENGL 1301	DRFT 131 (3)	ACCT 231 (3)^	
ENG 132 (3)	ENGL 1302	DRFT 133 (3)	CONS 141 (3)	
<u>Mathematics:</u>		DRFT 134 (3)	CONS 333 (3)	
MATH 133 (3)	MATH 1314	DRFT 231 (3)	CIVT 232 (3)	
<u>Life and physical science:</u>		DRFT 232 (3)	ELET 131 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	DRFT 233 (3)	ITEC 111 (1)	
PHYS 237 (3)	PHYS 1301	DRFT 331 (3)	ITEC 331 (3)	
<u>Language, philosophy, and culture:</u>		DRFT 333 (3)	ITEC 333 (3)	
ENG 2xx (3)***		DRFT 430 (3)	ITEC 412 (1)	
<u>Creative arts:</u>		DRFT 431 (3)	ITEC 439 (3)	
ART 131 (3)	ARTS 1316	DRFT 432 (3)	MATH 134 (3)	
<u>American history:</u>			MATH 138 (3)	
HIST 231 (3)	HIST 1301		MFG 231 (3)	
HIST 232 (3)	HIST 1302		MFG 333 (3)	
<u>Government/political science:</u>			PHYS 213 (1)	
POLS 235 (3)	GOVT 2305		ELECTIVES (6)****	
POLS 236 (3)	GOVT 2306			
<u>Social and behavioral sciences:</u>				
PSY (3)	PSYC 2301			
<u>Institutional Options:</u>				
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

**** ELECTIVES should be selected from the following courses: DRFT 132, CONS 341

**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY CONCENTRATION
DEGREE PLAN – TOTAL CREDITS: 120**

	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 134 Mechanical Drafting	2
DRFT 131L Fundamentals of Drafting Lab		2	DRFT 134L Mechanical Drafting Lab	1
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
ENG 2xx Upper level English		3	DRFT 232L Architectural Design Lab	1
MFG 231 Manufacturing Processes		2	MATH 138 Math for Business & Econ Analysis II	3
MFG 231L Manufacturing Processes Lab		1	PHYS 237 College Physics I Lec	3
ACCT 231 Principles of Accounting		3	PHYS 213 College Physics I Lab	1
		SC 135 Business & Professional Communication	3	
	15 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CIVT 232 Engineering Statics	3	PSY 131 Introduction to Psychology
DRFT 233 Basic Computer Drafting		1	DRFT 331 Piping System Design	2
DRFT 233L Basic Computer Drafting Lab		2	DRFT 331L Piping System Design Lab	1
DRFT 333L Machine Design Lab		1	ITEC 331 Technical Writing	3
DRFT 333L Machine Design Lab		2	MFG 333 Strength of Material	1
ITEC 333 Supervision and Management		3	MFG 333L Strength of Material	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
POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3	
	18 hrs		18 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	DRFT 431 Structural Design	2	DRFT 430 Advance Computer-Aided Design
DRFT 431L Structural Design Lab		1	DRFT 430L Advance CAD Design Lab	1
CONS 333 Quantity Surveying		2	DRFT 432 Senior Design Project	1
CONS 333L Quantity Surveying Lab		1	DRFT 432L Senior Design Project	2
ITEC 439 Industrial Safety		3	ITEC 412 Senior Seminar	1
ELECTIVE		3	ELECTIVE	3
			Comprehensive Exam	0
	12 hrs		10 hrs	

*Pending acceptable score on English and Mathematics Placement Examination.

Name _____ T# _____

Address _____ Telephone # _____

Academic Advisor _____

Chair _____ Date _____

Dean _____ Date _____

Master Course Schedule for Fall 2016 to Summer 2018

EVEN ODD ODD ODD EVEN
YEAR YEAR YEAR YEAR YEAR EVEN YEAR

COURSE NUMBER	COURSE NAME	CREDIT HOURS	FALL	SPRING	SUM	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
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-Aided Design Lab	1	x	x		x	x			DRFT 336
DRFT 430	Advanced Computer-Aided Design	1		x			x		DRFT 233	DRFT 430L
DRFT 430L	Advanced Computer-Aided 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		ENG 131 & Eng 132	
ITEC 333	Industrial Supervision and Management	3	x			x			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		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.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Crockett, Cher Visiting Instructor B.S., Southern University M.S., Southern University Ph.D., Southern university</p>	<p>Kazakos, Demetrios Professor Diploma, Technical Univ. of Greece M.A. Princeton University Ph.D., University of South California</p>	<p>Travare, Papa Visiting Instructor B.A., Texas Southern University M.S., Texas Southern University</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>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>Evans, Joan Instructor B.S., Texas Southern University M.S., Texas Southern University Ed.D., Texas Southern 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>Griesinger, Nancy Associate Professor B.S. in Math, University of South Carolina B.S. in Stat, University of South Carolina Ph.D., Rice 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 & Tech. University M.S., Harbin Institute of Tech. 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>Holmes, Roderick Assistant Professor B.S., Texas Southern University M.S., Texas Southern University Ph.D., University of Houston</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>Jones, Bobby Visiting Instructor B.S., Texas Southern University M.B.A., Texas Southern University</p>	<p>Taylor, Willie E. Professor B.S., Prairie View A&M M.S., Prairie View A&M University Ph.D., University of Houston</p>	

- MATH 137** **Contemporary Mathematics II** **(3)**
 Contemporary Mathematics II is a course designed for liberal and fine arts, non-mathematics, non-science, and non-business majors. It will provide 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 will be given to methods and models utilizing these topics in real world applications. Three hours of lecture per week. Prerequisite: MATH 132, MATH 133 or by department consent. **Listed as MATH 1333 in the Texas Common Course Numbering System.**
- MATH 138** **Mathematics and Business Economic Analysis II** **(3)**
 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.**
- MATH 231** **Elementary Statistics** **(3)**
 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.**
- MATH 235** **Structure and Application of the Number System** **(3)**
 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.
- MATH 236** **Foundations of Geometry, Statistics, and Probability** **(3)**
 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.
- MATH 241** **Calculus and Analytic Geometry I** **(4)**
 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.**
- MATH 242** **Calculus and Analytic Geometry II** **(4)**
 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.**
- MATH 243** **Calculus and Analytic Geometry III** **(4)**
 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.
- MATH 250** **Linear Algebra** **(3)**
 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.

**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
<u>Communication:</u>		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 217 (1)	
<u>Mathematics:</u>		MATH 250 (3)	PHYS 251 (3)	
MATH 136 (3)	MATH 2312	MATH 251 (3)	PHYS 218(1)	
<u>Life and physical sciences:</u>		MATH 331 (3)	PHYS 252 (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)		
<u>Language, philosophy, and culture:</u>		MATH 473 (3)		
ENG 2xx (3) ***		MATH 3xx or 4xx (3)		
<u>Creative arts:</u>		MATH 3xx or 4xx (3)		
MUSI xxx, ART xxx or THEA xxx (3)****		MATH 3xx or 4xx (3)		
<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>				
PSY xxx, SOC xxx or ECON xxx (3)*****				
<u>Institutional Options:</u>				
HIST 281 (3), 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)

**** MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, ART 137 (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 217, 251 and PHYS 218, 252.

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 Mathematics	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 Earth	3	
	HIST 281 Introduction to African American History SC 135 or SC 136 Business & Professional Communication or Public Address	3	Social & Behavioral Sciences Area***	3	
	Creative Arts**	3	HED 233 History and Principles of Health	2	
	15 hrs		15 hrs		
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	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	
	ENG 2XX Any 200 Level ENG may be selected	3	Course in Minor/Second Major Field	3	
	MATH 242 Calculus & Analytic Geometry II	4	MATH 243 Calculus & Analytic Geometry III	4	
	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 Languages or CS Elective	3	Foreign Languages or CS Elective	3	
	PHYS 217 University Physics I Lab	1	PHYS 218 University Physics II Lab	1	
	PHYS 251 University Physics I	3	PHYS 252 University Physics I Lab I	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 Elective (3hrs. upper division course)	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 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 Year	Fall Odd Year	Spring Even Year	Sum Even Year	PREREQUISITES	CO-REQUISITE
MATH 132	Contemporary Mathematics 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	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	Contemporary Mathematics II	3	x	x		x	x		MATH 132, MATH 133 or by department consent	
MATH 138	Mathematics and Business Economic Analysis II	3	x	x		x	x		MATH 133, MATH 135, MATH 137 or by department consent	
MATH 231	Elementary Statistics	3	x	x	x	x	x	x	MATH 133, MATH 135 or by department consent	
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 or departmental consent	
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		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			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 DEGREE IN PHYSICS**

**AVAILABLE CONCENTRATIONS:
PHYSICS, MEDICAL-HEALTH PHYSICS,
ASTROPHYSICS, & COMPUTATIONAL PHYSICS**

The Physics Department, within the College of Science, Engineering, and Technology (COSET), offers the Bachelor of Science (B.S.) Degree in Physics through four concentrations:

- (1) General Physics Concentration
- (2) Medical-Health-Physics Concentration
- (3) Astrophysics Concentration
- (4) Computational Physics Concentration

Each of these areas requires the basic core classes in physics combined with elective classes in other departments such as Biology, Chemistry, Computer Science, Engineering, Environmental Sciences, and Mathematics. In addition, students must take at least two Advanced Physics Elective courses related to the chosen area of concentration.

The B.S. Degree in Physics is conferred through the Texas A&M University System. The corresponding Diploma bears the seal of the Texas A&M University System, in addition to the seal from Texas Southern University and the other participating campuses that comprise the governing authority: The Texas Physics Consortium (TPC). The diploma also bears the seals from Prairie View A&M University, Tarleton State University, Texas A & M Kingsville, Texas A & M Corpus Christi, Midwestern State University, and West Texas A& M University. This is an affirmation that our graduates have been taught (through 3rd and 4th year courses) by the collective faculty at these institutions, representing a diverse intellectual physics perspective and capability.

The TSU Physics Department has significant, on site, research laboratories to assist students in any of the aforementioned concentrations. Additionally, through its association with the Texas Physics Consortium, it can offer expanded courses in many areas including nuclear engineering, astrophysics, nuclear physics, etc. Interested students should contact the Chair of the Department : Dr. C. R. Handy, handycr@tsu.edu, 713-313-1850; or the Administrative Assistant, Ms. G. Florent, florentgt@tsu.edu, 713-313-7980.

The Medical-Health-Physics concentration is on a cohort basis wherein every two years ten or more competitive students are accepted into the program. Admission requires approval by the Director of this Program, Dr. Mark Harvey, harveymc@tsu.edu. No student will be accepted into the Medical-Health-Physics concentration without explicit confirmation from the department's chairperson. The first cohort of students (graduating 2016), took classes in Introductory Atomic and Radiation Physics (PHYS 361), Environmental Radioactivity (PHYS 365), Radiation Detection I & II (PHYS 374 & 475), and Radiation Protection and Dosimetry (PHYS 477). The availability of these types of courses is dependent on the formation of the proper cohort of students.

Students pursuing the Astrophysics (i.e. Radio Astronomy) concentration will be expected to take elective courses within the electrical engineering department, with particular emphasis on circuits and signal processing. They will also be required to take prescribed electives in computer science (i.e. advance programming, etc.) and advanced mathematics (i.e. advanced calculus, complex analysis, etc.).

Students pursuing the Computational Physics concentration will select prescribed electives in advanced mathematics and in the computational sciences, as offered through the Computer Science 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 four physics concentrations. Interested students should consult with University policy in this regard, which usually requires an undergraduate degree in any area different from physics, and the pursuit of at least 30 credit hours in physics courses. The interested student must consult official University policy in this regard, at the time of application.

The Physics Department's website is accessed through the College's link: <http://www.coset.tsu.edu>. There are scholarship opportunities for competitive students. Students can also create a study plan around the General Physics concentration with guidance from an appropriate faculty advisor in the Physics Department, 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, Engineering, Environmental Sciences, Mathematics, Transportation, etc.

Physics majors can also explore non-science areas through the Free Electives flexibility.

Students will be required to identify their areas of interest, before being allowed to pursue their studies, so that the advisor can identify appropriate Prescribed Electives. This is to better coordinate the order in which courses are taken.

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++, Mathematica, etc., programming languages.

Students 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, particularly at conferences, etc.

Physics, 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 currently consists of a core of four faculty scholars, and two Visiting Faculty in emerging areas. The academic pedigree of our faculty is significantly high, since they are graduates of some of the most prestigious institutions nationally and internationally. Their total research publications, in refereed journals, exceeds 400 papers, in addition to conference presentations, etc. The Physics Department is one of the most active departments in the University emphasizing basic research.

The represented specialties within the TSU Physics department include medical and environmental health physics, mathematical physics, nuclear physics, atomic physics, theoretical physics, computational physics, quantum chemistry, astrophysics, and radio astronomy. The latter two are the most recent capabilities. 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. It also has a radio telescope facility on the roof of the Technology Building both for educational and research purposes.

More recently, TSU-Physics became a member of the Texas Physics Consortium (TPC) (please consult the department's website for more information on this) 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. At the time of this publication, Tarleton State University served as the Coordinator for the TPC. You may consult the following website for more information <http://www.tarleton.edu/tpc/>. Dr. Daniel Marble is the current Chair of 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 and opportunities (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) during their first freshman semester.

For students who are not “calculus ready”, we require that they take the Pre-University Physics courses PHYS 116 (Lab) and PHYS 152 (Lecture), concurrently with Pre-Calculus courses in the Mathematics Department. The physics courses, PHYS 116/152, emphasize an intuitive immersion in calculus, using mathematical experimentation assisted by computer visualization, within the context of basic physics concepts. This will enable the prospective physics major to perform better in University Physics courses as well as Calculus courses. Please remember that Isaac Newton (the “father of classical physics”) developed calculus as the “natural language” of physics. It is essential that physics majors develop strong competency in calculus. Without this capability, students will find the introductory physics courses, calculus based, very difficult (i.e. University Physics I & II: PHYS 251,252,217, and 218).

Placement of Past Graduates: Since 2010, TSU-Physics has produced over 20 recipients of the B.S. Degree in Physics. Some of our more successful graduates continued onto graduate school at Texas A&M University, UT-Austin, University of Houston, Rutgers University, etc.. They now occupy important positions at MD Anderson Cancer Center in Houston, TX, and the Nuclear Regulatory Commission in Washington D.C. Other students have been accepted into medical schools (Tulane, etc.). Some have found lucrative professional employment within the energy companies in the greater Houston area. Another alumnus became a Secondary School Science Teacher in the Dallas area, and then used her health physics background to secure a position within the Radiation Safety Department at the UT Southwestern Medical Center in Dallas. Additionally, one of our most recent graduates was the first commissioned NAVY officer graduate through the Rice/TSU University 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 with Chair’s office 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 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> , as well as the TSU Health physics website at <http://physics.tsu.edu/Academics/HealthPhysicsProgram.php>.

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.

All 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 their degree requirements in Physics. These credits may or may not be acceptable.

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 their course of study.

The Minor in Physics:

Potential Minors must be approved by the Chair.

A Minor in Physics is offered requiring 21 credit hours in the following essential courses:

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 an approved Advanced Physics Elective course.

The student should be mindful of the prerequisites required for these courses which include University Physics I & II and particular mathematics courses, as stated in the Catalog.

The Major in Physics:

The total required credit hours for the B.S. Degree in Physics is 120. It involves 42 General Education Core credit hours. Please consult the University Catalog to ascertain the allowed courses. University Physics I (PHYS 251) can be used to fulfill this requirement. In addition there are 37 credit hours of required courses and 41 credit hours of electives, some of them requiring departmental approval.

The required TPC courses (based on the prefixes given at TSU)		
Prefix and Number (TSU)	Required Courses	Semester Credit Hours
MATH 242	Calculus II	4
MATH 243	Calculus III	4
MATH 251	Differential Equations	3
PHYS 332	Intro. To Modern Physics	3
PHYS 333	Electricity and Magnetism I	3
PHYS 336	Thermo. & Statistical Physics	3
PHYS 338	Mathematical Methods I	3
PHYS 341	Mechanics I	3
PHYS 360	Advanced Undergraduate Lab.	3
PHYS 415	Senior Thesis I	1
PHYS 416	Senior Thesis II	1
PHYS 432	Quantum Mechanics I	3
PHYS 437	Nuclear Physics I	3
TOTAL Credit Hours		37

Prescribed Electives Requiring Departmental Approval	
Required Courses	Semester Credit Hours
An Advanced Computer Programming Course	3
Advanced Physics Electives	6
Support Field Electives*	18
Total	27
Free Electives**	14
Total All Types of Electives	41

*Support field electives refers to approved courses within the full range of STEM courses available. Students would select those courses consistent with their concentration area, as approved by the department.

**Free electives refers to courses requiring no departmental approval.

Listing of Faculty in the Department

<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. Professor B.S., Pennsylvania State University M.S., Clemson University Ph.D., Texas A&M University</p>
<p>Vrinceanu, Daniel Associate Professor B. S., University of Bucharest, Romania Ph.D., Georgia Institute of Technology</p>	<p>Harvey, Mark C. Assistant Professor B. S., Virginia State University M. S., Hampton University Ph. D., Hampton University</p>
<p>Perotti, Luca Visiting Professor Laurea, Universita' degli Studi di Milano M.S., University of Pittsburgh Ph.D., University of Pittsburgh</p>	<p>Migenes, Victor Visiting Professor B.S., University of Puerto Rico, Rio Piedras Campus M.S. University of Pennsylvania Ph.D. University of Pennsylvania</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	(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 339	Mathematical Methods II	(3)
	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.	
PHYS 340	Computational Physics I	(3)
	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.	
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 344	Electronics	(4)
	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.	
PHYS 360	Advanced Undergraduate Laboratory	(3)
	Exposure to the fundamental experiments that shaped modern physics. One three hour laboratory per week. Prerequisite: PHYS 332.	
PHYS 361	Introduction to Atomic and Radiation Physics	(3)
	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.	
PHYS 365	Environmental Radioactivity Seminar	(1)
	Focus on natural and manmade environmental radionuclide sources, radiation biology, protection, and pathways for environmental contamination. Ninety minute lecture and demonstration per week.	
PHYS 370	Nuclear Physics Laboratory	(1)
	Basic nuclear physics experiments indispensable to radiation detection and measurement. Three hour lab per week.	
PHYS 374	Radiation Detection I	(4)
	Comprehensive study of varying types of nuclear detection and measurement equipment, counting statistics and error prediction, etc. Four hours lecture-demonstration per week.	
PHYS 390	Engineering Physics: Intro. to Nanoscience and Nanotechnology	(3)
	Introduction to the basic physics principles and techniques governing nanostructures and their applications. Three lecture hours per week.	
PHYS 411	Senior Seminar/Workshop I	(1)
	Student led, faculty supervised, seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	

PHYS 412	Senior Seminar/Workshop II	(1)
	Continuation of student led seminars developed in a workshop format reviewing recent research developments. One three hour session per week. Prerequisite: Advanced Standing.	
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.	
PHYS 419	Nuclear Physics for Life Sciences Laboratory	(1)
	Introduction to basic experiments in nuclear detection and radiation monitoring for Life Science students. Three hour laboratory per week. Prerequisites: PHYS 361 and 365.	
PHYS 421	Nuclear Magnetic Resonance for Life Sciences Laboratory	(1)
	Nuclear magnetic resonance based experiments for life sciences students. Three hour laboratory per week. Prerequisites: PHYS 361 and 365.	
PHYS 423	Nuclear Magnetic Resonance Laboratory	(1)
	Comprehensive experiments in nuclear magnetic resonance. Three hour laboratory per week.	
PHYS 424	Radiation Biology and Nuclear Medicine for Life Sciences Laboratory	(1)
	Experiments (for non-physics majors) measuring the effect of radiation on living cells. Three hour laboratory per week. Co-requisite: PHYS 452.	
PHYS 426	Radiation Biology and Nuclear Medicine Laboratory	(1)
	Experiments measuring the effect of radiation on living cells. Three hour laboratory per week. Co-requisite: PHYS 454.	
PHYS 431	Mechanics II	(3)
	Lagrangian -Hamiltonian formulations of classical mechanics. Three lecture hours. Prerequisites: PHYS 338, PHYS 341, and MATH 242.	
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 433	Quantum Mechanics II	(3)
	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.	
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 451	Computational Physics II	(3)
	Introduction to advanced (parallel) computer methods for many body physics, quantum chemistry, nanophysics, and materials science problems. Three lecture hours per week.	

- PHYS 452** **Radiation Biology for Life Sciences Students** **(3)**
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.
- PHYS 454** **Radiation Biology (similar course offered within Biology)** **(3)**
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.
- PHYS 458** **Medical Imaging** **(3)**
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.
- PHYS 467** **Nuclear Physics II** **(2)**
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.
- PHYS 471** **Intermediate Nuclear Physics Laboratory** **(1)**
Health physics applications and spectroscopy. Three hour session per week. Co-requisite: PHYS 475.
- PHYS 472** **Nuclear Electronics Laboratory** **(1)**
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.
- PHYS 475** **Radiation Detection II** **(4)**
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.
- PHYS 477** **Radiation Protection and Dosimetry I** **(4)**
Radiation biology, dosimetry, radiation sources of exposure, health physics instrumentation, standards and regulations. Four lecture hours per week. Prerequisite: PHYS 361.
- PHYS 478** **Radiation Protection and Dosimetry II** **(4)**
Continuation of PHYS 477 focusing on radiation protection, practice, environmental monitoring and specialty health physics areas. Four lecture hours per week. Prerequisite: PHYS 477.
- PHYS 481** **Engineering Physics: Material Science** **(3)**
Study of the theoretical and computational formulations for studying quantum materials. Three lecture hours per week. Corequisite: PHYS 451.
- PHYS 482** **Engineering Physics: Nanobiophysics** **(3)**
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.
- PHYS 483** **Independent Study** **(1-4)**
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

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN PHYSICS
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (PHYSICS)	OTHER REQUIREMENTS	MAJOR REQUIREMENTS
42 credits		31 credits	15 credits	32 credits
<u>Communication:</u>		PHYS 217 (1) TCCNS 2125	MATH 241 (4) TCCNS 2413	(a) Adv. Phys. Electives (6 SCH)
ENG 131 (3) **	ENGL 1301	PHYS 218 (1) TCCNS 2126	MATH 242 (4) TCCNS 2414	(b) Adv.Comp. Programming (3 SCH)
ENG 132 (3)	ENGL 1302	PHYS 252 (3) TCCNS 2326	MATH 243 (4) TCCNS 2415	(c) Prescribed Electives (13 SCH)
<u>Mathematics:</u>		PHYS 332 (3)	MATH 251 (3) TCCNS 2320	(d) Free Electives (10 SCH), which can be applied to concentration
MATH 136 (3)	MATH 2312	PHYS 333 (3)	MATH 243 (4) TCCNS 2415	
<u>Life and physical sciences:</u>		PHYS 336 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	PHYS 338 (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 341 (3)		
<u>Language, philosophy, and culture:</u>		PHYS 360 (3)		
ENG 2xx (3) ***		PHYS 415 (1)		
<u>Creative arts:</u>		PHYS 416 (1)		
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	PHYS 432 (3)		
<u>American history:</u>		PHYS 437		
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 African American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

(a) Courses offered by the department, selected from the inventory of all PHYS 300 and 400 level courses.

(b) Any approved course in Advanced Programming as offered within the Physics, Computer Science, or Engineering departments

(c) Courses Requiring Departmental Approval as offered by any STEM department other than physics.

(d) Any course, at any level, selected by the student.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN PHYSICS
MEDICAL HEALTH PHYSICS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (PHYSICS)	OTHER REQUIREMENTS	MAJOR REQUIREMENTS
42 credits		31 credits	15 credits	32 credits
<u>Communication:</u>		PHYS 217 (1) TCCNS 2125	MATH 241 (4) TCCNS 2413	(a) Adv. Phys. Electives (6 SCH)
ENG 131 (3) **	ENGL 1301	PHYS 218 (1) TCCNS 2126	MATH 242 (4) TCCNS 2414	(b) Adv.Comp. Programming (3 SCH)
ENG 132 (3)	ENGL 1302	PHYS 252 (3) TCCNS 2326	MATH 243 (4) TCCNS 2415	(c) Prescribed Electives (17 SCH) PHYS 365 (1) PHYS 374 (4) PHYS 475 (4) PHYS 477 (4) PHYS 478 (4)
<u>Mathematics:</u>		PHYS 332 (3)	MATH 251 (3) TCCNS 2320	(d) Free Electives (6 SCH), which can be applied to concentration
MATH 136 (3)	MATH 2312	PHYS 333 (3)		
<u>Life and physical sciences:</u>		PHYS 336 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	PHYS 338 (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 341 (3)		
<u>Language, philosophy, and culture:</u>		PHYS 360 (3)		
ENG 2xx (3) ***		PHYS 415 (1)		
<u>Creative arts:</u>		PHYS 416 (1)		
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	PHYS 432 (3)		
<u>American history:</u>		PHYS 437		
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 African American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

(a) Courses offered by the department, selected from the inventory of all PHYS 300 and 400 level courses.

- (b) Any approved course in Advanced Programming as offered within the Physics, Computer Science, or Engineering departments
- (c) TEXAS PHYSICS CONSORTIUM APPROVAL REQUIRED. ONLY OFFERED IF A MINIMUM COHORT OF STUDENTS IS AVAILABLE AT TEXAS SOUTHERN UNIVERSITY.
- (d) Any course, at any level, selected by the student.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN PHYSICS
ASTROPHYSICS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (PHYSICS)	OTHER REQUIREMENTS	MAJOR REQUIREMENTS
42 credits		31 credits	15 credits	32 credits
<u>Communication:</u>		PHYS 217 (1) TCCNS 2125	MATH 241 (4) TCCNS 2413	^(a) Adv. Phys. Electives (6 SCH)
ENG 131 (3) **	ENGL 1301	PHYS 218 (1) TCCNS 2126	MATH 242 (4) TCCNS 2414	^(b) Adv. Comp. Programming (3 SCH)
ENG 132 (3)	ENGL 1302	PHYS 252 (3) TCCNS 2326	MATH 243 (4) TCCNS 2415	^(c) MATH 250 (3 SCH) MATH 376 (3 SCH) MATH 460 (3 SCH) ELET (4 SCH)
<u>Mathematics:</u>		PHYS 332 (3)	MATH 251 (3) TCCNS 2320	^(d) Free Electives (10 SCH), which can be applied to concentration
MATH 136 (3)	MATH 2312	PHYS 333 (3)		
<u>Life and physical sciences:</u>		PHYS 336 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	PHYS 338 (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 341 (3)		
<u>Language, philosophy, and culture:</u>		PHYS 360 (3)		
ENG 2xx (3) ***		PHYS 415 (1)		
<u>Creative arts:</u>		PHYS 416 (1)		
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	PHYS 432 (3)		
<u>American history:</u>		PHYS 437		
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 African American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

- (a) Courses offered by the department, selected from the inventory of all PHYS 300 and 400 level courses.
- (b) Any approved course in Advanced Programming as offered within the Physics, Computer Science, or Engineering departments
- (c) Courses Requiring Departmental Approval as offered by any STEM department other than physics.
- (d) Any course, at any level, selected by the student.

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE IN PHYSICS
COMPUTATIONAL PHYSICS CONCENTRATION
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS EQUIVALENT	MAJOR (PHYSICS)	OTHER REQUIREMENTS	MAJOR REQUIREMENTS
42 credits		31 credits	15 credits	32 credits
<u>Communication:</u>		PHYS 217 (1) TCCNS 2125	MATH 241 (4) TCCNS 2413	(a) Adv. Phys. Electives (6 SCH)
ENG 131 (3) **	ENGL 1301	PHYS 218 (1) TCCNS 2126	MATH 242 (4) TCCNS 2414	(b) Adv.Comp. Programming (3 SCH)
ENG 132 (3)	ENGL 1302	PHYS 252 (3) TCCNS 2326	MATH 243 (4) TCCNS 2415	(c) MATH 250 (3 SCH) CS 241 (3 SCH) CS 246 (3 SCH) CS 250 (3 SCH) CS 251 (3 SCH)
<u>Mathematics:</u>		PHYS 332 (3)	MATH 251 (3) TCCNS 2320	(d) Free Electives (8 SCH), which can be applied to concentration
MATH 136 (3)	MATH 2312	PHYS 333 (3)		
<u>Life and physical sciences:</u>		PHYS 336 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	PHYS 338 (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 341 (3)		
<u>Language, philosophy, and culture:</u>		PHYS 360 (3)		
ENG 2xx (3) ***		PHYS 415 (1)		
<u>Creative arts:</u>		PHYS 416 (1)		
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	PHYS 432 (3)		
<u>American history:</u>		PHYS 437		
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 African American Studies (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

(a) Courses offered by the department, selected from the inventory of all PHYS 300 and 400 level courses.

(b) Any approved course in Advanced Programming as offered within the Physics, Computer Science, or Engineering departments

(c) Courses Requiring Departmental Approval as offered by any STEM department other than physics.

(d) Any course, at any level, selected by the student.

BACHELOR OF SCIENCE DEGREE IN PHYSICS
 (For different concentrations, choice of electives will require departmental approval)
DEGREE PLAN – TOTAL CREDITS: 120

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	Communication Area*	3	Communication Area*
MATH 136 Precalculus		3	Creative Arts*	3
CHEM 131 or BIOL 143		3	PHYS 251 University Physics I	3
Institutional Options Area*		3	PHYS 217 University Physics I Lab	1
PHYS 152 Pre-University Physics**		3	Social & Behavioral Sciences Area*	3
PHYS 116 Pre-University Physics Lab**		1	MATH 241 Calculus I	4
	16 hrs		17 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	Government/Political Science Area*	3	Government/Political Science Area*
American History Area*		3	American History Area*	3
Language, Philosophy & Culture*		3	Institutional Options Area*	3
PHYS 252 University Physics II		3	MATH 243 Calculus III	4
PHYS 218 University Physics II Lab		1	Advanced Comp. Prog. Prescribed Elective***	3
MATH 242 Calculus II		4		
	17 hrs		16 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	PHYS 332 Modern Physics	3	PHYS 333 Electricity and Magnetism
PHYS 341 Mechanics		3	PHYS 336 Thermo and Statistics	3
MATH 251 Differential Equations		3	PHYS 338 Math Methods	3
Prescribed Electives (Requiring Departmental Approval)		3	PHYS 360 Advanced Undergraduate Lab	3
Free Elective		4		
		16 hrs		12 hrs
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	Prescribed Elective	6	Free Elective
PHYS 415 Senior Thesis I		1	PHYS 416 Senior Thesis II	1
PHYS 432 Quantum Mechanics		3	PHYS 437 Nuclear Physics	3
PHYS 484 Advanced Phys. Elective		3	PHYS 484 Advanced Phys. Elective	3
		13 hrs		13 hrs

* Students must consult the approved General Education Core Classes for each area, as described in the Catalogue.

** Students demonstrating high competency in calculus, may be allowed to choose alternative prescribed electives, based on departmental approval.

*** The required Advanced Comp. Progr. Prescribed elective may be satisfied by taking a higher level CS course as a substitute for Gen. Ed. Class. Students are advised to consult with physics department first. Another substitute may be PHYS 247 : Fundamentals of Scientific Programming.

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 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 degree plan 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,
- (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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), must contact the Department Office while satisfying ASSET requirements for advisement, and must petition the Department for admission once ASSET 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.

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 environmental 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: MARPOL, Resource Conservation and Recovery Act, Clean Water Act, Montreal Protocol, and State Statutes. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 423** **Marine Cargo Operations** **(3)**
This course is an introduction to the objectives and problems with break-bulk cargo handling during loading, discharging, and in-transit carriage. It presents the role of the ship in integrated transportation systems, the methods of cargo loss prevention, and the maximum cargo efficiency with relation to space, cargo gear, crew, and labor costs. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 424** **Containerization and Modern Cargo Storage** **(3)**
This course presents the principles and regulations for transporting special refrigerated and hazardous cargo. It addresses the security of shipments from a regulatory, operational, and global business perspective. Students enrolled in this course will be trained to identify dangerous goods and know that they are to be stowed and separated according to the requirements. Students will also learn the hazards related to bulk cargoes and the precaution to take during their loading and carriage. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 425** **International Intermodal Transportation** **(3)**
This course is designed to examine the modern inter-modal transportation and distribution systems used in the movement of international and domestic cargo. It presents the evolution, development, and use of rail, air, truck, and maritime transportation systems, and their dynamic impacts on international trade. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 443** **Maritime Transportation Security** **(3)**
This course focuses on the International Ship and Port Security Code (ISPS) and domestic maritime security policies. It presents an introduction of port and ship vulnerability assessments, security plan implementation procedures, various levels of shipboard security responsibilities, and security administration. It also explores elements of chemical, biological and radiological defense (CBRD), and crisis management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 444** **Lectures in Contemporary Maritime Security Issues** **(3)**
This course invites prominent experts in maritime and intermodal security to give special lectures on various topical issues of the day in their field of security. Students enrolled in this course are required to submit a term paper that integrates the information from different speakers and their research project experience. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 445** **Maritime Risk Assessment and Management** **(3)**
This course is designed to develop the concepts required for maritime risk-based planning and analysis, and the methods used to conduct vulnerability assessment for natural disaster, technological hazards, and terrorist threats. The topics to be covered included: 1) Introduction and Analysis, such as Process Descriptions, Hazard Identification, Source Models, Consequence Analysis; 2) Assessment, such as Exposure Assessment, Does Response and Risk Characterization, Radiation Risk Assessment, Environmental Assessment; and 3) Management, such as Structural Activity Relationships, Risk Management, ISO 14000. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

- MTMS 462** **Marine Environmental Protection** **(3)**
 This course offers an interdisciplinary approach to ways in which human beings control adverse effects to the marine environment. It presents various environmental situations and the methods of applying scientific knowledge about the coastal areas to the human, economic, and political dimension. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*
- MTMS 463** **Maritime Environmental Law** **(3)**
 This course is designed to familiarize students with the concepts and mechanisms of international and U.S. federal environmental law and policy. It presents the role of the American legal system as it functions to control and remediate maritime environmental problems and evaluates the opportunities to use judicial, administrative, and legislative processes to address those problems. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*
- MTMS 481** **Seminar in International Maritime Business** **(3)**
 This course provides an opportunity for students and the instructor to discuss the effects of multi-national operations on business strategy and decision making by exploring the economic, political, financial, legal, and social nature of the international environment. It examines maritime and transport related formulation, selection, and implementation of multi-national strategies in the context of business environment. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*
- MTMS 482** **Advanced Transportation Management** **(3)**
 This course presents perspectives on carrier organization and management. It examines national transportation policy, regulation, and the changing environment of transportation. Topics to be covered include transportation operations, marketing, financing, purchasing, information systems and maintenance, as well as human resources management and labor relations. Students enrolled in this course are required to involve in original research on problems in transportation management with emphasis on maritime transportation. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*
- MTMS 483** **Maritime Studies Senior Seminar** **(3)**
 This course facilitates discussions between students, the instructor, and invited speakers to discuss topical themes related to diverse aspects of society and commerce in coastal and oceanic zones, the maritime experience, and the political, economical, cultural, and environmental perspectives of maritime management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*
- MTMS 490** **Independent Study** **(3)**
 This course allows students to study independently on selected topics. Prerequisites: students need to have at least average 3.0 GPA with their MTMS classes and be within 30 hours of graduation. Approval of department head and corresponding instructors are needed.
- MTMS 495** **Field Work Practicum in Maritime Transportation** **(3)**
 This course provides students with field work opportunities to gain hands-on experience in various maritime transportation related work. Students enrolled in this course are required to submit a written report of the practicum or project experience, detailing the specific tasks performed. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of “C” or better.*

LISTING OF FACULTY IN THE DEPARTMENT

<p>Azimi, Mehdi Visiting Assistant Professor B.S. University of Sistan & Baluchestan M.S., Tarbiat Modarres University M.S., Texas Southern University Ph.D., Texas A&M University</p>	<p>Qiao, Fengxiang Associate Professor B.S., South East University M.S., South East University Ph.D., Hong Kong University of Science and Technology</p>
<p>Beverly, Parris Visiting Instructor B.S., Merchant Marine Academy M.B.A., University of Rochester</p>	<p>Williams, Ursula A. Visiting Instructor Maritime Program Coordinator B.A., Huston-Tillotson College M.C.R.P., University of Texas at Arlington M.S, Texas Southern University</p>
<p>Hill, Brian Adjunct Instructor B.A., Florida International University M.S., U.S. Naval Postgraduate School J.D., St. Thomas University School of Law</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>Lewis, Carol A. Professor B.S., M.S., University of Iowa Ph.D., University of Houston</p>	
<p>Morgan, Robert Visiting Instructor B.S., Southern University B.S., Panama Canal College M.S., National University 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>	

**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 REQUIREMENTS
42 credits	EQUIVALENT	36 credits	22 credits	21 credits
<u>Communication:</u>		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)	
<u>Mathematics:</u>		MTMS 321 (3)	MGMT 402 (3)	
MATH 133 (3)*	MATH 1314	MTMS 322 (3)	MATH 231 (3)	
<u>Life and physical sciences:</u>		MTMS 341 (3)	CS 116 (3)	
Life and Physical Sci- ences (6)***		MTMS 361 (3)	MKTG 306 (3)	
<u>Language, philosophy, and culture:</u>		MTMS 424 (3)	GEOG 132 (3)	
ENG 2xx (3)	ENG 23xx	MTMS 463 (3)		
<u>Creative arts:</u>		MTMS 481 (3)		
MUSI 239 (3)	HUMA 1315	MTMS 495 (3)		
<u>American history:</u>		MTMS Electives (3)**		
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>				
PSY 131 (3)	PSYC 2301			
<u>Institutional Options:</u>				
SC 135 (3)	SPCH 1321			
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) 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).

**BACHELOR OF SCIENCE DEGREE IN
MARITIME TRANSPORTATION MARITIME MANAGEMENT AND SECURITY (WITH MINOR)
DEGREE PLAN – TOTAL CREDITS: 121**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131 Freshman English I*	3	ENG 132 Freshman English II
MATH 133 College Algebra*		3	POLS 236 Texas Government	3
BIOL 143 Survey of Life Science***		3	GEOL 141 Introduction to the Earth***	3
Major Lab Requirement		0	Major Lab Requirement	0
HIST 281 Intro to African American History		3	PSY 131 General Psychology	3
POLS 235 American Government		3	MTMS 101 Intro to Maritime Transportation	3
	15 hrs		15 hrs	
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	MATH 231 Elementary Statistics I	3	ENG 230 World Literature I
HIST 231 Social and Political History of the U.S. to 1877		3	HIST 232 Social and Political History of the U.S. since 1877	3
MINOR		3	MINOR	3
MTMS 202 Maritime Law		3	GEOG 132 World Regional Geography	3
CS 116 Intro to Computers and Their Applications I		3	MINOR	3
			MUSI 239 Fine Arts and Daily Living	3
	15 hrs		18 hrs	
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.
MTMS 341 Maritime Security Management		3	MKTG 306 Principles of Management	3
MGMT 300 Principles of Management		3	MTMS 322 Port and Term. Oper. Mgmt.	3
ITEC 331 Technical Writing		3	MTMS Elective**	3
MTMS 321 Inter. Business and Ocean Shipping		3	MINOR	3
BADM 230 Advance Communication Skills		3		
	18 hrs		15 hrs	
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	MTMS 424 Contan. And Mo. Cargo Stw.	3	MTMS 463 Maritime Environmental Law
MIS 304 Information Technology		3	MTMS 481 Seminar in International Maritime Business	3
MGMT 402 International Management		3	MINOR	3
MINOR		3	ITEC 412 Senior Seminar	1
MINOR		3	MTMS 495 Practicum	3
	15 hrs		13 hrs	

* Pending acceptable scores on English and Math Placement Exams

** Elective course selected from MTMS 423, 425, 443, 445, 462, 482, and 483.

***Life and Physical Sciences courses should be selected from the following: BIOL 143 or CHEM 131 (3) and one from the following courses: CHEM 132 (3); BIOL 135 (3); GEOL 141 (3); PHYS 101 (3); or PHYS 251 (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
<u>Communication:</u>		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)
<u>Mathematics:</u>		MTMS 321 (3)	MGMT 301 (3)
MATH 133 (3)*	MATH 1314	MTMS 322 (3)	MGMT 402 (3)
<u>Life and physical sciences:</u>		MTMS 341 (3)	SPAN (6)**
Life and Physical Sci- ences (6)****		MTMS 361 (3)	MATH 231 (3)
<u>Language, philosophy, and culture:</u>		MTMS 424 (3)	CS 116 (3)
ENG 2xx (3)	ENG 23xx	MTMS 463 (3)	CS 117 (3)
<u>Creative arts:</u>		MTMS 481 (3)	MKTG 306 (3)
MUSI 239 (3)	HUMA 1315	MTMS 495 (3)	GEOG 132 (3)
<u>American history:</u>		MTMS Electives (12)***	
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>			
PSY 131 (3)	PSYC 2301		
<u>Institutional Options:</u>			
SC 135 (3)	SPCH 1321		
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) 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 MARITIME MANAGEMENT AND SECURITY (WITHOUT MINOR)
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*	3	POLS 236 Texas Government	3	
	BIOL 143 Survey of Life Science***	3	GEOL 141 Introduction to the Earth***	3	
	Major Lab Requirement	0	Major Lab Requirement	0	
	HIST 281 Intro to African American History	3	PSY 131 General Psychology	3	
	POLS 235 American Government	3	MTMS 101 Intro to Maritime Transportation	3	
		15 hrs		15 hrs	
		THIRD SEMESTER		FOURTH SEMESTER	
Second Year	MATH 231 Elementary Statistics I	3	ENG 230 World Literature I	3	
	HIST 231 Social and Political History of the U.S. to 1877	3	HIST 232 Social and Political History of the U.S. since 1877	3	
	SPAN 131 Elementary Spanish****	3	SPAN 132 Elementary Spanish II****	3	
	MTMS 202 Maritime Law	3	GEOG 132 World Regional Geography	3	
	CS 116 Intro to Computers and Their Applications I	3	CS 117 Intro to Computers and Their Applications II	3	
			MUSI 239 Fine Arts and Daily Living	3	
		15 hrs		18 hrs	
		FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.	3	
	MTMS 341 Maritime Security Management	3	MKTG 306 Principles of Management	3	
	MGMT 300 Principles of Management	3	MTMS 322 Port and Term. Oper. Mgmt.	3	
	ITEC 331 Technical Writing	3	MTMS Elective**	3	
	MTMS 321 Inter. Business and Ocean Shipping	3	MGMT 301 Personnel and Manpower Dev	3	
		15 hrs		15 hrs	
		SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	MTMS 424 Contan. And Mo. Cargo Stw.	3	MTMS 463 Maritime Environmental Law	3	
	MIS 304 Information Technology	3	MTMS 481 Seminar in International Maritime Business	3	
	MGMT 402 International Management	3	MTMS Elective**	3	
	MTMS Elective**	3	ITEC 412 Senior Seminar	1	
	MTMS Elective**	3	MTMS 495 Practicum	3	
		15 hrs		13 hrs	

*Pending acceptable scores on English and Math Placement Exams

** Elective course selected from MTMS 423, 425, 443, 445, 462, 482, and 483.

***Life and Physical Sciences courses should be selected from the following: BIOL 143 or CHEM 131 (3) and one from the following courses: CHEM 132 (3); BIOL 135 (3); GEOL 141 (3); PHYS 101 (3); or PHYS 251 (3)

****Can be substituted by any foreign language course including Chinese, Russian, Japanese, French, etc.

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 YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
MTMS 101	Introduction to Maritime Transportation	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		MTM S101	
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 Environmental 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 202	
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					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

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.

MISSION STATEMENT

An Honors College is an undergraduate-serving academic unit that invites the most intellectually gifted students on a campus to form a living and learning community that holds interdisciplinary as its cornerstone. An Honors College is a space for exceptional intelligence, deep thought, high idealism, insightful conversations, unbridled creativity and extraordinary mentorship. The mission of the Thomas F. Freeman Honors College is to educate students broadly and to expose them to experiences outside of their normal environments. The Honors College is dedicated to the following core values: Scholarship, Character, Service, and Leadership.

The main goal of the college is to nurture students—keeping them fully engaged intellectually, academically, and socially—through a timely graduation with high honors.

Finally, the Honors College seeks to help its graduates with their next educational and/or career endeavors.

To achieve the mission of the Thomas F. Freeman Honors College, academic and career counseling is critical to student success. The Thomas F. Freeman Honors College has made a major commitment to meeting monthly with every student—new, transfer, new continuing, and continuing—in the Honors College. The Honors College offers full-service advocacy for students, and the staff is dedicated to graduating students on time and with high honors.

We encourage our students to be proactive and call the Honors College to schedule appointments with our advisor. Alternatively, our advisor will certainly be calling and emailing students throughout the academic year to ensure that Honors students at all levels of their degree programs are attending mandatory monthly advising meetings. Simply put, the Honors College is all about student success!

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, 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.

COLLEGE ACADEMIC PROGRAM

The Thomas F. Freeman Honors College provides the following: a cutting-edge academic program that implements strong institutional foundations via core courses with Honors enhancements; Honors credit for upper division courses through course augmentation proposals (CAPs); access to interdisciplinary minors (Legal Studies, Medical Studies, Creative Arts, and Leadership Studies) housed in the Honors College. The Honors experience is designed to stimulate students' intellectual, personal, and social growth while preparing them for global citizenship and leadership.

Incoming Honors students begin their journey by enrolling in the fall semester in the Introduction to Honors class. In this weekly seminar, Honors students are exposed to Honors Faculty Fellows, some of the most world-renowned faculty on campus. Students are privileged to attend lectures in which the Faculty Fellows provide an overview of the disciplines in which they teach and engage in research. Additionally, Introduction to Honors sensitizes students to the challenges of transitioning from high school to college by providing interactive activities that cover study skills, critical thinking skills, writing skills, financial literacy, technology literacy, effective time management, self-assessment, etc. 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.

General Education “Honors Core” Courses—Honors Enhancements at the Lower Division Level

The institutional foundations come from the general education curriculum of the university. The Honors College makes a special effort to place Honors students with exceptional faculty teaching general education core courses saturated with Honors enhancements in such areas as language, mathematics, science, the arts and humanities, and the social sciences. During the first two years of their undergraduate education, Honors students are fully engaged with award-winning, high profile faculty who work closely with them to negotiate added rigor to the core (lower-division) courses. All Honors students in core courses schedule a special meeting at the beginning of the semester with their professors, inform them of the Honors requirement of added rigor, negotiate a plan to include enhancements, and complete the paper work with appropriate signatures at both the beginning and the end of the semester.

Upper Division Courses: Petitioning for Honors Credit with CAPs

Honors College juniors and seniors are required to complete a total of four (4) course augmentation proposals (CAPs), which means that in each of the four long (excluding summer) last semesters of their curriculum (one in fall of junior year and one in spring of junior year; one in fall of senior year and one in spring of senior year), Honors students will enter into a contractual agreement with TSU professors who agree to design a rigorous plan of study that exceeds the expectations of other non-Honors College students in the class. Courses found in the student’s regular degree plans are modified and serve to fulfill the CAP requirement.

The end-of-program activities include a major public presentation that is inextricably linked to the course augmentation proposal courses (CAPs). The Honors students are required to present their reports, research papers/projects, and creative works, etc., which is designed to help them in their pursuits of career opportunities and in their applications for admission into graduate or professional programs.

Honors College Requirements

In order to earn the distinction of graduating from the Thomas F. Freeman Honors College, students must be admitted into the Honors College and meet its academic and other requirements, including maintaining both a semester and cumulative GPA of 3.25 and complete and pass a minimum of 15 semester credit hours in fall and spring of each year.

Core Course Enhancements (CCEs)

First two (2) years of undergraduate education
Added rigor to the core (lower-division) courses
Negotiate a plan with each instructor to include enhancements

Course Augmentation Proposals (CAPs)

Credit Hours

Two Upper- (300- or 400-) Level Courses within the Major	6
Two Upper- (300- or 400-) Level Course within the Major	6
Total for Upper Division Courses required to complete CAPs Requirement	12

Lectures

All Honors College students are required each semester to attend a minimum of two Honors-College sponsored lectures (or other approved Honors sponsored events), featuring experts at the university as well as renowned local, regional, national or international scholars or creative artists.

Student Organizations

All Honors College students are required to join and remain active each year in one of the four Honors College student organizations: The Honors College Ambassadors (HCA), the Honors Mentors Association (HMA), and Honors Research and Creative Activities Association (HRCA).

Enrichment

Internships

All students who select one of the minors housed in the Honors College will engage in an internship deemed most beneficial to balancing the theory learned in the coursework to real-world practice in the field. Additionally, the College provides internship opportunities to all students in good standing in Honors.

Study Abroad and Study Away

Students engage in “study abroad” and “study away” programs. “Study abroad” often involves receiving credit for participation in traditional programs that take students to other countries. Another program, the “study away,” involves students going on learning adventures outside of Houston, Texas.

Support for Public Presentations

Another type of enrichment that the Honors College supports is undergraduate research/creative activities. Honors College students may petition for support to attend conferences where they are scheduled to present their research or creative projects and, if funded, students must make a presentation on campus that includes other Honors students and the general campus.

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
- an ACT composite score of 26; or
- an SAT combined score of 1200 or above in (Mathematics and Critical Reading).

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 letters of recommendation – from teachers in English, Mathematics and one of the sciences;
- (e) an essay (about 750 to 1,000 words) in which they respond to the question, “Who Am I?”
- (f) undergo an interview with the dean and/or the Honors Scholarship Committee.

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 750 to 1,000 words) in which they respond to the question, “Who Am I?”
- (d) three letters of recommendation – from professors in English, Mathematics and one of the sciences;

Applicants submit all materials to HonorsDean@tsu.edu.

The application deadlines are: for high school seniors, early admission December 1; regular admission March 15; late admission and for continuing and transfer students, June 1.

**MINOR IN LEGAL STUDIES
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	Communication Area	3	Communication Area	3
	Math Area	3	Creative Arts	3
	Natural Science Area	3	Natural Science Area	3
	Major Lab Requirement	0	Major Lab Requirement	0
	Institutional Options Area	3	Social & Behavioral Sciences Area	3
	Concentration/Elective/Major/Other Requirements	3	Concentration/Elective/Major/Other Requirements	3
	15 hrs		15 hrs	
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Government/Political Science Area	3	Government/Political Science Area	3
	American History Area	3	American History Area	3
	Language, Philosophy & Culture	3	Institutional Options Area	3
	Major	3	Major	3
	Legal Studies> LGST 301	3	Legal Studies> LGST 310/385/380	3
	15 hrs		15 hrs	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Major	3	Major	3
	Major	3	Major	3
	Elective/Major/Other Requirements	3	Major	3
	Legal Studies> LGST 410/415/450	3	Legal Studies> LGST 302	3
	Legal Studies> LGST 303	3	Legal Studies> LGST 304	3
	15 hrs		15 hrs	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Concentration/Elective/Major/ Other Requirements	3	Concentration/Elective/Major/Other Requirements	3
	Legal Studies> LGST 410/415/450	3	Elective/Major/Other Requirements	3
	Elective/Major/Other Requirements	3	Major	3
	Major	3	Major	3
	Major	3	Major	3
	15 hrs		15 hrs	



TEXAS SOUTHERN UNIVERSITY

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3100 Cleburne Street, Houston, Texas 77004

Phone: (713) 313-7071 Fax: (713) 313-7471

Email: EnrollmentManagement@tsu.edu

<http://em.tsu.edu/catalog>