

TEXAS SOUTHERN UNIVERSITY

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Houston, Texas 77004
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www.tsu.edu

GUIDE TO COURSE OFFERINGS

PREFIX	ACADEMIC DISCIPLINE	PAGE	PREFIX	ACADEMIC DISCIPLINE	PAGE
ACCT	Accounting	(56)	MUSA	Applied Music	(168)
AD	Art and Design	(211)	MUSI	Music	(168)
AJ	Administration of Justice	(265)	PA	Public Affairs	(256)
ART	Art	(168)	PADM	Pharmacy Administration	(286)
AWS	Airway Science	(398)	PAS	Pharmaceutical Applied Sciences	(280)
BADM	Business Administration	(66)	PE	Human Performance	(113)
BIOL	Biology	(326)	PHAR	Pharmacy	(280,286)
CFDV	Child and Family Development	(211)	PHCH	Pharmaceutical Chemistry	(280)
CHEM	Chemistry	(338)	PHIL	Philosophy	(228)
CIVT	Civil Engineering Technology	(355)	PHYS	Physics	(391)
CM	Communication	(134)	POLS	Political Science	(256)
COE	Cooperative Education	(355,370,398)	PSY	Psychology	(228)
CONS	Construction Technology	(370)	RDG	Reading Education	(81)
CS	Computer Science	(347)	SC	Speech Communication	(134)
CT	Clothing and Textiles	(211)	SOC	Sociology	(242)
DRFT	Drafting and Design Technology	(370)	SOCW	Social Work	(234)
ECON	Economics	(194)	SPAN	Spanish	(154)
EDCI	Curriculum and Instruction	(81)	SPED	Special Education	(81)
ELET	Electronics Engineering Technology	(370)	TC	Telecommunications	(134)
ENG	English	(154)	THC	Theatre	(168)
ENGT	Engineering Technology	(335)			
FIN	Finance	(56)			
FN	Foods and Nutrition	(211)			
FR	French	(154)			
GEOG	Geography	(194)			
HED	Health	(113)			
HIST	History	(194)			
HSCR	Health Sciences Core	(295)			
HSCS	Human Services and Consumer Sciences	(211)			
HSEH	Environmental Health	(211)			
HSHA	Health Administration	(295)			
HSMR	Health Information Management	(295)			
HSMT	Medical Technology	(295)			
HSRT	Respiratory Therapy	(295)			
INS	Insurance	(56)			
ITEC	Industrial Technology	(370)			
JOUR	Journalism	(134)			
MATH	Mathematics	(383)			
MFG	Automated Manufacturing Technology	(370)			
MGMT	Management	(66)			
MGSC	Management Science	(66)			
MKTG	Marketing	(66)			
MSCI	Military Science	(265)			

***Designations in parentheses refer to page numbers in this document where courses offered under the prefixes specified are referenced.**

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SUMMARY OF UNDERGRADUATE DEGREES OFFERED

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
Jesse H. Jones School of Business	Accounting and Finance	Bachelor of Business Administration (B.B.A.) in Accounting 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 Marketing
College of Education	Curriculum and Instruction	Bachelor of Science (B.S.) in Interdisciplinary Studies
	Education Administration and Foundations	None
	Counseling	None
	Health and Kinesiology	Bachelor of Science (B.S.) in Health Bachelor of Science (B.S.) in Human Performance
College of Liberal Arts and Behavioral Sciences	Communications	Bachelor of Arts (B.A.) in Communication Bachelor of Arts (B.A.) in Mass Communications
	English and Foreign Languages	Bachelor of Arts (B.A.) in English Bachelor of Arts (B.A.) in French Bachelor of Arts (B.A.) in Spanish
	Fine Arts	Bachelor of Arts (B.A.) in Art Bachelor of Arts (B.A.) in Music Bachelor of Arts (B.A.) in Theatre
	History, Geography, and Economics	Bachelor of Arts (B.A.) in History Bachelor of Arts (B.A.) in Economics Bachelor of Arts (B.A.) in General Studies
	Human Services and Consumer Sciences	Bachelor of Science (B.S.) in Dietetics Bachelor of Science (B.S.) in Human Services and Consumer Sciences
	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
Barbara Jordan - Mickey Leland School of Public Affairs	Political Science	Bachelor of Science (B.S.) in Public Affairs Bachelor of Arts (B.A.) in Political Science
	Administration of Justice	Bachelor of Science (B.S.) in Administration of Justice
College of Pharmacy And Health Sciences	Pharmaceutical Sciences	Entry Level Doctor of Pharmacy (Pharm.D.)
	Pharmacy Practice	Entry Level Doctor of Pharmacy (Pharm.D.)
	Health Sciences	Bachelor of Science (B.S.) in Environmental Health Bachelor of Science (B.S.) in Health Administration Bachelor of Science (B.S.) in Health Information Management Bachelor of Science (B.S.) in Medical Technology Bachelor of Science (B.S.) in Respiratory Therapy
College of Science And Technology	Biology	Bachelor of Science (B.S.) in Biology
	Chemistry	Bachelor of Science (B.S.) in Chemistry
	Computer Science	Bachelor of Science (B.S.) in Computer Science
	Engineering Technologies	Bachelor of Science (B.S.) in Engineering Technology
	Industrial Technologies	Bachelor of Science (B.S.) in Industrial Technology
	Mathematics	Bachelor of Science (B.S.) in Mathematics
	Physics	Bachelor of Science (B.S.) in Physics
Transportation Studies	Bachelor of Science (B.S.) in Airway Science	

NOTE: Many of the degrees offered have multiple tracks leading toward their completion. Sections of this bulletin related to the various departments and the respective degrees offered should be consulted 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. Students who choose to do this are assigned, like other entering students, to the General University Academic Center (GUAC). The section of this bulletin devoted to that entity should be consulted for more information on the pursuit of a pre-nursing curriculum of study. The General University Academic Center (GUAC) is referenced in the Table of Contents.

ACADEMIC CALENDAR FOR FALL 2005

April 18-May 13	Fall registration period for continuing students
June 22-24, Wednesday-Friday	EarlyStart for first-time freshmen and new transfer students
July 20-22, Wednesday-Friday	
August 22-26, Monday-Friday	Orientation and registration period for first-time freshmen and new transfer students
August 29, Monday	Classes begin
	Last day to pay fees without a late fee
	Last day to apply for fall admission
August 29-September 2	Change of program period
August 29-September 12	Late Registration
September 5, Monday	LABOR DAY HOLIDAY
September 12, Monday	Twelfth class day
	Last day to add classes
	Last day to drop classes without a grade
September 16, Friday	Last day to file for December graduation
September 20, Tuesday	OPENING CONVOCATION
September 21, Wednesday	Purge of all unpaid course selections
	Last day to pay tuition and fees
October 15-21, Saturday-Friday	Mid-semester examinations
November 4, Friday	Last day to drop classes or completely withdraw
November 21-December 9	Spring registration period for continuing students
November 24-26, Thursday-Saturday	THANKSGIVING HOLIDAYS
December 9, Friday	Last day of classes
December 10-16, Saturday-Friday	Final examinations
December 17, Saturday	Semester closes
January 17, 2006, Tuesday	Last day to apply for spring admission

ACADEMIC CALENDAR FOR SPRING 2006

November 21-December 9, 2005	Spring registration period for continuing students
January 9-13, Monday-Friday	Orientation and registration period for first-time freshmen and new transfer students
January 16, Monday	MARTIN LUTHER KING, JR. DAY HOLIDAY
January 17, Tuesday	Classes begin
	Last day to pay fees without a late fee
	Last day to apply for spring admission
January 17-23	Change of program period
January 17-30	Late Registration
January 30, Monday	Twelfth class day
	Last day to add classes
	Last day to drop classes without a grade
February 8, Wednesday	Purge of all unpaid course selections
	Last day to pay tuition and fees
February 10, Friday	Last day to file for May graduation
March 3, Friday	CHARTER DAY
March 11-17, Saturday-Friday	Mid-semester examinations
March 18-24, Saturday-Friday	SPRING VACATION
April 6, Thursday	HONORS DAY
April 7, Friday	Last day to drop classes or completely withdraw
April 14-15, Friday-Saturday	EASTER HOLIDAYS
April 17-28	Registration period for continuing students for summer term I and fall
May 5, Friday	Last day of classes
May 6-12, Saturday-Friday	Final examinations
May 13, Saturday	Semester closes
	Commencement Exercises, 9:30 a.m.
June 1, Thursday	Last day to apply for summer term I admission

ACADEMIC CALENDAR FOR FIRST SUMMER TERM 2006

Classes meet 5 days a week

May 22-24, Monday-Wednesday	Orientation and registration for new students only
May 25-26, Thursday-Friday	Registration period for continuing students for summer term I
May 29, Monday	MEMORIAL DAY HOLIDAY
June 1, Thursday	Classes begin
	Late registration (one day)
	Change of program (one day)
	Last day to pay fees without a late fee
June 2, Friday	Last day to file for August graduation
June 19, Monday	EMANCIPATION DAY HOLIDAY
June 20, Tuesday	Last day to drop classes or completely withdraw
	Last day to apply for summer term II admission
June 30, Friday	Final examinations
	Summer term I closes

ACADEMIC CALENDAR FOR SECOND SUMMER TERM 2006

Classes meet 5 days a week

June 26-28, Monday-Wednesday	Orientation and registration for new students only
June 29-30, Thursday-Friday	Registration period for continuing students for summer term II
July 4, Tuesday	INDEPENDENCE DAY HOLIDAY
July 5, Wednesday	Classes begin
	Late registration (one day)
	Change of program (one day)
	Last day to pay fees without a late fee
	Last day to drop classes or completely withdraw
July 24, Monday	Final examinations
August 4, Friday	Summer term II closes
August 5, Saturday	Commencement Exercises, 9:30 a.m.
August 28, Monday	Last day to apply for fall admission

ACADEMIC CALENDAR FOR FALL 2006

April 17-May 12	Fall registration period for continuing students
June 21-23, Wednesday-Friday & July 19-21, Wednesday-Friday	EarlyStart for first-time freshmen and new transfer students
August 21-25, Monday-Friday	Orientation and registration period for first-time freshmen and new transfer students
August 28, Monday	Classes begin
	Last day to pay fees without a late fee
	Last day to apply for fall admission
August 28-September 1	Change of program period
August 28-September 11	Late registration
September 4, Monday	LABOR DAY HOLIDAY
September 11, Monday	Twelfth class day
	Last day to add classes
	Last day to drop classes without a grade
September 15, Friday	Last day to file for December graduation
September 19, Tuesday	OPENING CONVOCATION
September 20, Wednesday	Purge of all unpaid course selections
	Last day to pay tuition and fees
October 14-20, Saturday-Friday	Mid-semester examinations
November 3, Friday	Last day to drop classes or completely withdraw
November 20-December 15	Spring registration period for continuing students

November 23-25, Thursday-Saturday	THANKSGIVING HOLIDAYS
December 8, Friday	Last day of classes
December 9-15, Saturday-Friday	Final examinations
December 16, Saturday	Semester closes
January 16, 2007, Tuesday	Last day to apply for spring admission

ACADEMIC CALENDAR FOR SPRING 2007

November 20-December 15, 2006	Spring registration period for continuing students
January 8-12, Monday-Friday	Orientation and registration period for first-time freshmen and new transfer students
January 15, Monday	MARTIN LUTHER KING, JR. DAY HOLIDAY
January 16, Tuesday	Classes begin
	Last day to pay fees without a late fee
	Last day to apply for spring admission
January 16-22	Change of program period
January 16-29	Late registration
January 29, Monday	Twelfth class day
	Last day to add classes
	Last day to drop classes without a grade
February 7, Wednesday	Purge of all unpaid course selections
	Last day to pay tuition and fees
February 9, Friday	Last day to file for May graduation
March 2, Friday	CHARTER DAY
March 10-16, Saturday-Friday	Mid-semester examinations
March 17-23, Saturday-Friday	SPRING VACATION
April 5, Thursday	HONORS DAY
April 13, Friday	Last day to drop classes or completely withdraw
April 16-May 4	Registration period for continuing students for summer term I and fall
May 4, Friday	Last day of classes
May 5-11, Saturday-Friday	Final examinations
May 12, Saturday	Semester closes
	Commencement Exercises, 9:30 a.m.
May 29, Tuesday	Last day to apply for summer term I admission
August 27, Monday	Last day to apply for fall admission

ACADEMIC CALENDAR FOR FIRST SUMMER TERM 2007

Classes meet 4 days a week

May 21-23, Monday-Wednesday	Orientation and registration period for new students only
May 24-25, Thursday-Friday	Registration period for continuing students for summer term I
May 28, Monday	MEMORIAL DAY HOLIDAY
May 29, Tuesday	Classes begin
	Late registration (one day)
	Change of program (one day)
	Last day to pay fees without a late fee
May 30, Wednesday	Last day to file for August graduation
June 20, Wednesday	Last day to drop classes or completely withdraw
	Last day to apply for summer term II admission
July 4, Wednesday	INDEPENDENCE DAY HOLIDAY
July 5, Thursday	Final examinations
	Summer term I closes

ACADEMIC CALENDAR FOR SECOND SUMMER TERM 2007
Classes meet 5 days a week

July 2-3, Monday-Tuesday	Orientation and registration period for new students only
July 5-6, Thursday-Friday	Registration period for continuing students for summer term II
July 9, Monday	Classes begin
	Late registration (one day)
	Change of program (one day)
	Last day to pay fees without a late fee
July 27, Friday	Last day to drop classes or completely withdraw
August 8, Wednesday	Final examinations
August 11, Saturday	Summer term II closes
	Commencement Exercises, 9:30 a.m.
August 27, Monday	Last day to apply for fall admission

Some specific dates on the above academic calendars may be adjusted without prior notice.

The Graduate School and the Thurgood Marshall School of Law have separate bulletins that contain academic calendars for these units. The calendar presented in this section was designed to include the most students possible in activities and to limit the time missed from classes. Also, for the purpose of planning, the **definition of an academic year, as provided by the U.S. Department of Education, has been used.** This definition is as follows:

- **An academic year** is a period that begins on the first day of classes and ends on the last day of classes or examinations and that is a minimum of 30 weeks of instructional time during which for an undergraduate educational program a full-time student is expected to complete at least:
 - 24 semester or trimester hours or 36 quarter hours in an educational program whose length is measured in credit hours.
 - 900 clock hours in an educational program whose length is measured in clock hours.
- For purposes of the definition of an academic year, a **week** is a consecutive 7-day period.
- For an educational program using a semester, trimester, or quarter system or clock hours, the Secretary considers a **week of instructional time** to be any week in which at least one day of regularly scheduled instruction, examinations, or preparation for examination occurs.
- For an educational program using credit hours (but not using a semester, trimester, or quarter system), the Secretary considers a week of instruction to be 5 days.
- **Instruction time does not include** periods of orientation, counseling, vacation, or other activity not related to class preparation or examinations.

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GENERAL 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.

While 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, 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 2010.

NOTICE OF NONDISCRIMINATORY POLICIES

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

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

NOTICE OF NO WEAPONS POLICY

Under Texas Penal Code, Section 46.03, citizens may obtain licenses to carry concealed handguns. Although this is the case, firearms, fireworks, and explosives of any kind are NOT PERMITTED on the Texas Southern University Campus or other State-Owned Property, except in the possession of State Law Enforcement Officers. Violators will be dismissed from the University and are subject to legal sanctions.

UNIVERSITY COMMITMENT AND STUDENT RESPONSIBILITIES

University Commitment

On June 17, 1973, the Texas Legislature designated Texas Southern University as a “special purpose institution of higher education for urban programming.” Subsequent to this mandate, the designation and the university motto of “Excellence in Achievement” were welded in order to formulate the institutional mission. Accordingly, the University is committed to the management of a comprehensive educational curriculum that will render the motto creditable.

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. Since enrollment is voluntary, acceptance is voluntary. On this basis, students can not, without great personal liability to their continued association with the University, obstruct, hamper, disrupt, or otherwise interfere with the institution's attainment of its lawful mission. The institution, therefore, has both the right and the obligation to promulgate rules and regulations designed to promote attainment of its purpose.

MISSION OF TEXAS SOUTHERN UNIVERSITY

Texas Southern University is a comprehensive, historically Black institution of higher education dedicated to providing quality instruction, scholarly research, and socially responsible public service. Consistent with its statutory designations as both a statewide general purpose and a special purpose institution for urban programming, the University offers bachelors, masters, doctoral, and professional degrees. Committed to providing access and opportunity, the University enrolls an academically and ethnically diverse student body. Through their teaching and research, the distinguished faculty members produce competent graduates who are poised to make positive contribution to humanity.”

UNIVERSITY VISION AND CORE VALUES

The University’s vision is to achieve preeminence as a comprehensive urban institution of higher learning, preparing students for leadership roles in the communities of our state, nation, and world. The University embraces core values of integrity; excellence and innovation; academic freedom; equality and diversity; and compassion.

ORGANIZATION FOR INSTRUCTION

The University is organized for academic instruction as nine 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 College of Liberal Arts and Behavioral Sciences
The Barbara Jordan - Mickey Leland School of Public Affairs
The College of Pharmacy and Health Sciences
The College of Science and Technology
The Graduate School
The College of Continuing Education

Supporting the Jesse H. Jones School of Business, the College of Education, the College of Liberal Arts and Behavioral Sciences, the Barbara Jordan - Mickey Leland School of Public Affairs, the College of Pharmacy and Health Sciences, and the College of Science and Technology is the General University Academic Center (or GUAC). This center, along with its purpose and the services that it provides to undergraduate students entering Texas Southern University for the first time, is described in detail below.

The Thurgood Marshall School of Law and the Graduate School offer professional level and graduate level degrees, respectively. Further information about these units may be obtained by telephoning (713)-313-4455 and (713)-313-7232, respectively.

ACCREDITED PROGRAMS

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane; Decatur, Georgia 30033-4097; telephone number: 404-679-4501) to award the Bachelor’s, Master’s, and Doctorate degrees. The College of Education is accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the National Council for Accreditation of Teacher Education and is a member of the Association of Colleges for Teacher Education. The College of Education holds membership in the National Council for Accreditation of Teacher Education. The Thurgood Marshall School of Law is approved by the State Board of Law Examiners, accredited by the American Bar Association, and holds membership in the American Association of Law Libraries.

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

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

Four of the programs in the College of Science and Technology hold special Certifications and/or accreditations: the Chemistry Program is certified by the American Chemical Society, the Electronics Engineering Technology Program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET) and the Industrial Technology and Airway Science Programs are accredited by the National Association of Industrial Technology (NAIT).

THE GENERAL UNIVERSITY ACADEMIC CENTER (GUAC)

The General University Academic Center (GUAC) is an academic support unit organized to facilitate student assessment, placement, advisement, and orientation. **All newly admitted students to the University are co-assigned to GUAC, along with a major department, for advisement, registration, and matriculation purposes up to the time that the required placement examination is passed and a major is formally declared.** Through the Center, all freshmen and transfer students with fewer than 30 semester credit hours earned may be required to enroll in selective orientation/personal development courses that are not part of the programs of study for the various undergraduate degrees offered through the University. These courses are focused on preparing students for success at the University and beyond.

Students who are admitted to Texas Southern University and who seek to fulfill prerequisite course requirements for the pursuit of nursing degrees at the undergraduate level elsewhere (since nursing is not offered as a major at Texas Southern University) are also responsible to the Center for both their overall advisement, as well as their overall guidance toward the successful completion of the required placement examination. **Pre-nursing students are advised to complete the following courses in the various academic units:** ENG 131, ENG 132, SC 135, MATH 133, ITEC 331, MUSI 239 or THC 130, HIST 231, HIST 232, POLS 231, POLS 232, SOC 157, CS 116, CHEM 111, CHEM 131, BIOL 135, BIOL 136, BIOL 246, FN 233, PHIL 231, PSY 131, PSY 234, and SOCW 345.

The General University Academic Center is located in the Fairchild Building, and students may request available services in Room 114 of that facility. Further information may also be obtained directly by telephoning (713)-313-7955.

THE DOUGLASS INSTITUTE HONORS PROGRAM

The Frederick Douglass Institute Honors Program is designed to promote undergraduate education for a homogenous group of stellar scholars, known as “Douglass Scholars”. The program currently serves a diverse student body. Scholars can major in any field of studies.

The Honors Program mission is to promote intellectual curiosity through an in-depth study of a distinctive curriculum. The curriculum covers a wide variety of subject areas including classes and seminars specially designed for highly motivate students, as well as honors section of regular undergraduate classes.

Douglass Scholars must demonstrate scholastic excellence by maintaining a semester grade point average of 3.2 or above and a cumulative grade point average of 3.2 or above at the end of each academic semester to remain in good academic standing in the program.

Scholarships are available to first time freshmen who have never attended any institution of higher education following high school graduation. Applicants must submit an official high school transcript and letters of recommendation from their English, Mathematics and Science Teachers. Consideration is also given to applicant’s high school curriculum, demonstrated leadership ability, and community and extracurricular activities.

DESCRIPTION OF AWARDS:

Level I, \$8,000 per year: Criteria - High School grade point average of 3.6; Graduate in the top 5% of the class; SAT score of 1100 or higher or ACT score of 25 or higher.

Level 2, \$7,000 per year: Criteria - High School grade point average of 3.4; Graduate in the top 10% of the class; SAT score of 1000 or higher or ACT score of 23 or higher.

Level 3, \$6,000 per year: Criteria - High School grade point average of 3.2; Graduate in the top 20% of the class; SAT score of 940 or higher or ACT score of 21 or higher.

For detailed information and program applications, contact the Honors Program Coordinator at 713-313-7458 or HonorsScholarship@tsu.edu.

DEVELOPMENTAL STUDIES

The Developmental Education Program is designed to foster the academic and intellectual potential of students that will enable them to persist in their matriculation at Texas Southern University. Working in tandem with the General University Academic Center, the Program provides academic-based opportunities to enhance students’ intellectual growth. The Program, organized to engage faculty, staff, and students in interactive teaching and learning, helps empower students to realize their intellectual capacities to the fullest extent possible.

THE ROBERT JAMES TERRY LIBRARY

The combined facilities of the Robert James Terry Library at Texas Southern University support the curricular and research needs of the University community through the development of pertinent collections and the provision of services designed to facilitate access to information. The principal research collections, numbering over 266,000 volumes, over 1,700 periodical subscriptions, and over 462,000 microforms, are housed in a centrally located facility providing seating for over 1,000 patrons. To augment study, a number of closed study rooms and individual study carrels are provided on most floors. With the exception of the special collections, the entire library has an open stack arrangement.

The Robert James Terry Library is conveniently arranged with three major public-access service areas on the first floor: reference, circulation, and special collections. The fifth floor contains the business and economics collection. The Library has automated circulation, cataloging, acquisitions, and serial control systems. Online public-access catalog terminals are located on each floor and in the College of Pharmacy and Health Sciences Reading Room. Computer based bibliographic search services offer over 200 databases. CDROM access to databases is also provided to students.

The Library provides interlibrary loan via direct link with most major libraries in the U.S. using the computer and telecommunications facilities of the OCLC bibliographic utility. Tours of the Library can be arranged to cover areas from general orientation to in-depth bibliographic instruction in specific fields of study. The campus is being wired to include electronic access to library files.

Equipment has been added to comply with the Americans with Disabilities Act (ADA) requirements. Included are a closed circuit television system (CCTV) which can enlarge the size of printed material up to 60 times the original size and a Kurzweil reader which can scan printed material, convert the text to synthesized speech and read it aloud in seconds. On each floor of the Robert James Terry Library are tables which are designed to accommodate library users in wheelchairs. For users of computers, televisions, etc., there are screen enlargers available to enhance viewing. In the Reference Department, first floor, some reference materials are available in large print editions.

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

FEES AND EXPENSES

Resident Status

Students enrolled at the University can be classified as resident, non-resident, or foreign. All students attending Texas Southern University who are non-residents 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. Non-residents are persons residing in the state of Texas less 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 fourth/twelfth 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 been living in the state of Texas for 12 continuous months prior to registration may be **REQUIRED**:

1. Proof of property ownership (copy of deed)
2. Permanent driver's license (at least one year old)

3. Employer statement of date of employment (at least one year old)
4. Lease agreement which includes student's name (at least one year old)
5. Utility bill showing both student's name and address (at least one year old)
6. Combination of last two year's income tax returns
7. Resident Alien card (if not a citizen of the United States)
8. Marriage license, birth records of child(ren)
9. Statements from parents or guardians who are residents of the state of Texas

Photocopies of the above items are required with the completed application. Students who do not provide required documentation will be charged out-of-state 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 non-resident to evade the non-resident fee will be taken seriously and may lead to expulsion.**

Non-resident students are given official notice of their non-resident classification at the time of admission. A student who is classified as a non-resident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of non-resident status will receive a penalty of loss of credit.

Tuition and Associated Fees

The University reserves the right to adjust fees without prior notice. Tuition and regular fees paid by all students enrolled for any semester hours have been listed and are available through the Office of the University Comptroller. In addition to these, estimates of special laboratory fees and the cost of books and supplies must be added to arrive at an approximate total amount needed at the time of registration.

All payments to the University should be made by cashier's check, money order, or personal check payable to Texas Southern University. Personal checks will not be accepted for any amount in excess of the total amount due for registration fees. Major credit cards are also accepted when payments are being made. Post-dated checks will not be accepted. There will be a \$25.00 charge for checks returned for any reason. **Temporary checks are unacceptable.**

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

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

Student Service Fee. The Student Service Fee is used to support certain extracurricular activities, such as student publications, special cultural programs, the marching band, and the athletic program. 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 during both semesters of a school year are entitled to receive one copy of the University annual. Students enrolled full-time for only one semester may also receive the annual by paying an additional fee. This fee is nonrefundable.

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

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

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

Recreational Facility Fee. The Recreational Facility Fee is used for constructing, operating, maintaining and equipping the recreational facility and program. This fee is nonrefundable.

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

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

Late Registration Fee. Texas Southern University conducts alphabetical registration according to students' last name. Students are required to report for registration at the time indicated by the class schedule for their specific alphabet. Failure to complete registration on the date specified, but before the absolute deadline, will result in a late fee assessment. This fee is nonrefundable.

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

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

1. Full payment of tuition and fees before the twentieth day of class or
2. One-half payment of tuition and fees before 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 of \$52.00 for the three-payment plan. This fee is nonrefundable.

The Governing Board may assess and collect incidental fees from the students utilizing the payment alternative and from students delinquent in payments. Students are currently assessed a \$10.00 fee for each delinquent payment.

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

Late Payment Fee. A student who fails to pay tuition and fees by the posted deadline by either method listed above will be assessed a \$104.00 late payment fee. This fee is nonrefundable.

Auditing Fee. Persons desiring to audit a course are required to register (with permission of the appropriate Dean and Department Faculty Chair) and must pay all fees required of regular students enrolled for the equivalent number of credit hours.

Laboratory Fees. 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. The respective departments should be contacted for specific amounts.

Readmission Fee. Students who are readmitted to the University are required to pay a readmission fee of \$42.00 that is used for processing their applications. This fee is nonrefundable.

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

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

Transcript Fee. Copies of transcripts, both undergraduate and graduate, may be obtained for a fee. Students wishing to obtain copies of their transcripts must pay for the requested copies in the Bursar's Office and obtain a "clearance" in the Comptroller's Office before submitting their requests in the Office of the University Registrar. Transcripts will not be issued if persons initiating requests owe bills at the University.

Graduation Fees. Graduation fees are due and payable at the time of application for graduation. These fees include cap and gown rental. Invitations are optional and may be ordered through the University Bookstore prior to April 15. Caps and gowns are also ordered through the University Bookstore.

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

Student Records (transcripts) will not be released under the following circumstances:

1. All student records are not on file in the University Registrar's Office.
2. The requesting student has not cleared all bills (academic or financial).
3. The requesting student has not paid the transcript fee.

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

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

Parking Fee. Students who have need to park vehicles on the Campus must pay for parking decals to attach to their vehicles for designated student lots. This fee is assessed on a semester or term basis.

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

REGULATIONS GOVERNING REFUNDS

Dropped Courses

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

Withdrawals

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

- 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%

Refunds are granted for those fees designated as "refundable". The refundable fees assessed at registration are tuition and

designated tuition. These fees are calculated based upon the number of semester credit hours for which a student registers. Refunds of refundable fees are calculated based upon the total amount of these fees assessed at registration and not on the basis of the amount of the total paid, if a student is paying on an installment basis.

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

Students who register for courses that are either paid for directly or 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.**

Refunds for parking fees paid at the time of registration must be applied for separately through the Department of Public Safety at the University.

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 must be in accordance with the policy listed below.

The amount paid for the May diploma fee may be refunded if applied for in writing at the Bursar's Office prior to March 1. There will be no refunds after this date.

Summer graduates have no refund grace period since orders are placed immediately upon receipt of their applications for graduation.

Financial Obligations

No person who is indebted to the University in any amount will be permitted to graduate, receive transcripts (or grades), re-enroll at the University, or receive any refunds.

TYPES OF FINANCIAL AID AND ASSISTANCE

Pell Grant Program (Basic Educational Opportunity Grant)

The Pell Grant is a Federal Aid Program designed to assist students in pursuing their first undergraduate degree. Students should apply for a Pell Grant by completing and submitting the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA), preferably through online submission at www.fafsa.ed.gov.

The student will receive a Student Aid Report (SAR), which he should immediately review for errors and return, if any corrections are made, to the Department of Education. The amount of the Pell Grant to be awarded is calculated once all student data is complete and verified.

Awards depend on individual Student Aid Index numbers, whether the student is full-time or part-time, the cost of education, and the number of semesters of enrollment. **Students who already have B.A. or B.S. degrees or other types of four-year baccalaureate degrees from any country are not eligible. International students seeking their first undergraduate degrees are not eligible, nor are high school students who have gained early admission to the University.**

Federal Supplemental Educational Opportunity Grant (FSEOG)

The (FSEOG) is a federal grant for undergraduate students who demonstrate financial need. Students must be enrolled at least half time to be considered.

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

Scholarships

Upon admission to the University and completion of 24 semester credit hours or more, a student with a GPA of 3.25 or better may request an application for scholarship support from the Office of Student Financial Assistance (3100 Cleburne; Houston, Texas 77004-9987; 713-313-7071). The application should be completed and returned in a timely manner back to the same office. Once the application is received, the applicant is considered for all available scholarships by the Scholarship Committee that operates in conjunction with the Office of Student Financial Assistance. The deadline for receipt of scholarship applications is announced by the Office of Student Financial Assistance at the beginning of each fall semester.

Outstanding high school students who have been newly admitted to the University are encouraged to apply for scholarships through the Douglass Institute 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.

Federal Work-Study Program

Financial aid applicants may be eligible for assistance under the **Federal Work-Study Program**. **These funds, however, are not available to international students nor to high school students who have gained early admission to the University.** Students may work an average of 20 hours each week. Job assignments are made on the basis of financial need, available positions, academic interest and skills, and student work preference. Students are paid at a rate above the national minimum wage as approved by the University at the time that eligibility is established.

Loans

The loan programs described below are not available to international students nor to high school students who have gained early admission to the University.

The Guaranteed Student Loan (or GSL) Program is offered through participating lending institutions and is designed for individuals who cannot qualify for programs with stricter need requirements, but who still have difficulty meeting college expenses. The interest rate is less than 8.25 %. Under this plan, the student is responsible for locating a bank or credit union that participates in the Guaranteed Student Loan Program. Although the Office of Student Financial Assistance is involved in certifying a student's enrollment and recommending action, the lending institution makes the final decision. **All non-residents are strongly encouraged to try to obtain a GSL, if applying for other types of financial aid through the Office of Student Financial Assistance.**

The Texas Guaranteed Loan Corporation (TGSLC) is a public, non-profit corporation established by the Texas Legislature. This corporation was created to guarantee the funds distributed as part of the Guaranteed Student Loan (or GSL) Program.

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

FINANCIAL AID AND ASSISTANCE ELIGIBILITY

The Office of Student Financial Assistance makes every effort to insure that all awards and materials submitted remain confidential in accordance with the Buckley Family Right to Privacy Act of 1975. **In order to initiate the process of review for financial aid awards, students must be U.S. citizens or permanent residents and should do the following:**

1. **Secure admission to Texas Southern University through the Office of Admissions** via the process described in the next chapter of this document.
2. **Secure the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA)** from any high school counselor or any college/university financial aid office, and complete and return it to the address indicated, or, **preferably, online at www.fafsa.ed.gov**. (This step will eventually produce a Student Aid Report (SAR) that will be mailed directly to the student at his/her home address, in approximately **eight to ten weeks**; for online submissions, this turnaround is **seven to ten business days**, and corrections can be made instantly.)
3. **Submit any supporting documentation that may be required to the Office of Student Financial Assistance, Texas Southern University, 3100 Cleburne; Houston, Texas 77004-9987; 713-313-7071.**
4. **If the student has attended another college/university, a financial aid transcript must be sent to the Texas Southern University Office of Student Financial Assistance** from each institution attended to accompany the federal Student Aid Report information.
5. **Make inquiries about scholarships available and submit applications, when qualifications are met**, after reading the preceding section on **scholarships** in this chapter of this bulletin. Additional information may be obtained electronically at www.tsu.edu.

Once all documents referenced have been received by the Office of Student Financial Assistance (or other designated office), the applicant will be considered for a possible financial aid award, financial assistance, or scholarship. A student who applies for financial aid or assistance and is not awarded at the time of registration **must be prepared to pay for tuition, fees, books, and housing** from personal funds as part of the registration process.

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). These standards are referenced in the next chapter of this document as academic regulations. In addition to these standards, a time frame requirement must also be met in conjunction with the SAP standards for eligibility. **Thus, in reality, three facets of the individual student record determine financial aid eligibility: credit hours (from SAP standards), grades (from SAP standards), 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). When time frame is combined with the University's SAP standards, reference is made in the document, generally, to financial aid SAP. When time frame is not a factor, reference is simply made to SAP at the University.

With regard to the **credit hours needed** to maintain eligibility, students receiving aid have their overall enrollments at the University reviewed once each year at the end of the spring semester to verify that they have earned a minimum number of credit hours for their academic classification (freshman, sophomore, etc.). With regard to the grades needed to maintain eligibility, students receiving aid must satisfy a cumulative grade point average (GPA) requirement each year. Their GPA must meet the minimum standards of their individual academic classifications.

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 for with the benefit of financial aid. **The Office of Student Financial Assistance should be contacted directly regarding the specifics of time frame limitations.** Students are notified when they are approaching enrollment in the maximum number of credit hours permitted. If students exceed this number before finishing their individual programs of study, then they will no longer be eligible to receive federal student assistance.

Financial Aid Deferment

Students who receive financial aid that is sufficient to cover their tuition and fees for a term but will not be entirely posted to their accounts before the start of the term shall receive a financial aid deferment of their fees. Although a financial aid deferment exempts a student from a late payment fee, the student must pay any outstanding balance at the end of the term.

Financial Aid Probation

Students are placed on probation with regard to the receipt of financial aid for their next semester of attendance if they fail to earn the minimum number of semester credit hours and/or achieve the minimum GPA required for their attendance status. 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. If these conditions are met, the probationary status will automatically be removed at the end of the semester where probation has been imposed.

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 complete, at their own expense, a regular semester of work at the University as a student in the full time, half time, or less than half time status in which they were originally suspended and attain the minimum number of semester credit hours and achieve the cumulative GPA required.

Exclusions

The following types of registration or grades can not 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, withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

Additional Academic Requirements

If students apply 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 making application is a transfer student, he/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.

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

1. Semester credit hours earned from foreign institutions are included in the financial aid SAP evaluation if these credits are accepted by the University and the college/school in which a major is declared.
2. If a course is repeated, the semester credits earned will count toward the determination of enrollment status and maximum time frame.
3. Courses in which grades of "I" (incomplete) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame.
4. Courses in which grades of "W", (withdrawal) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame. Students may retake courses from which they withdraw, and retaken credits will count toward the determination of enrollment status and minimum credits earned.
5. Credits earned from undergraduate developmental/remedial courses that students are required to take count toward the determination of enrollment status, minimum semester credits earned, and maximum time frame.
6. Credits earned from undergraduate courses taken while students are enrolled as graduate students do not count toward the academic year minimum, nor do they influence GPA's, nor do they count toward the determination of enrollment status or minimum credits earned, unless these credits are specifically required as prerequisites.
7. All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.
8. Summer terms are considered special semesters and are not automatically monitored to determine financial aid SAP. Students who attend summer terms and who want credits earned during these terms counted with fall and/or spring semester credit totals must make a request for such at the end of the summer terms of attendance.

Right to Appeal

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

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

Students who are placed on financial aid suspension due to GPA's and minimum semester credit hours earned that violate the financial aid SAP standards should submit a Satisfactory Academic Progress Appeal Form and a current Texas Southern University academic transcript to the Office of Student Financial Assistance for review. A counselor will render a decision after reviewing the documentation presented.

Students who fail to achieve financial aid SAP standards due to mitigating circumstances (such as illness, injury, family crisis, or credits earned from incomplete courses) may appeal their financial aid status by submitting a Satisfactory Academic Progress Appeal Form, a current Texas Southern University academic transcript, and a letter of explanation to the Office of Student Financial Assistance. The letter of explanation should have supporting documentation attached. A counselor will review the appeal and render a decision based upon documentation provided.

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 receipt. Students will be notified in writing of the Appeals Committee's decision.

CHECK DISBURSEMENT

All financial aid checks are issued from the Bursar's Office, not the Office of Student Financial Assistance; however, students who are awarded financial aid through the Office of Student Financial Assistance should stay in contact with that office regarding disbursement of funds. Funds will not be disbursed to students indebted to the University. The University mails all refund checks to students' address of record.

ADMISSION REQUIREMENTS, ENROLLMENT PROCEDURES, AND ACADEMIC REGULATIONS

Texas Southern University is an accredited higher education institution that provides equal educational opportunity to all graduates of accredited high schools in the United States and foreign countries and mature adults who have successfully passed the GED examination. The University has an open admissions policy. However, all entrants must be able to demonstrate their ability to perform successfully at the college level. **The American College Test (ACT) or the Scholastic Aptitude Test (SAT) is recommended.** These test scores are used for evaluation purposes. Each new student is required to take the ASSET test prior to enrolling at Texas Southern University. This test determines foundation course selections at the time of registration.

Individuals seeking admission as undergraduate students should identify the category below that best fits them and follow the steps indicated:

- **(1) 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 should**
 1. Obtain an application from the Texas Southern University Office of Admissions (at 3100 Cleburne Street; Houston, Texas 77004-9987, by calling 713-313-7071, or electronically at www.em.tsu.edu), complete it, and return it along with a required non-refundable application fee of \$42.00.
 2. Submit an official transcript from the accredited high school that (1) includes a date of graduation and, (2) for Texas high schools graduates, indicates successful completion of either the Texas Assessment of Academic Skills (TAAS) examination or the Texas Assessment of Knowledge and Skills (TAKS) examination. These appropriate high school credentials include passage of the State-mandated exit test, which is designed to assure a minimum mastery of basic skills. Students who are exempt from the State-mandated exit test are unable to present evidence of or assure a minimum mastery of basic skills. Thus, such exempt students do not show an ability to benefit from higher education and shall not be admitted.
 3. Submit an official GED Test Report that includes minimum score of 40 on each part of the GED test to qualify for admission.
 4. Students who are home-schooled must have the parent school district assess the mastery level of courses taken with an official assessment made that may be used for grade placement and/or the award of credit since the State of Texas does not award diplomas to students in home schools. Students applying from home schools must request that the parent school district producing the assessment send a copy directly to the Office of Admissions.

- **(2) Citizens of the United States who who have attended another College or University prior to seeking admission to Texas Southern University:**
 1. Application for admission, Parts A, B, and C.
 2. Submit an Official transcript from each college or university attended. Transcript may be sent directly from the issuing institution(s) OR hand-carried in a sealed official envelope of the issuing institution(s).
 3. Official transcripts submitted for consideration and evaluation MUST contain the following:
 - Grade for all courses appearing on transcript(s)
 - Transcript(s) with courses “in-progress” are not acceptable.
 - University registrar’s seal and signature
 - Transcript issued date
 4. A transcript evaluation will be done only when:
 - Acceptance to the university is complete
 - An evaluation request has been submitted
 5. Evaluations, during periods of registration, will be done on a first come-first serve basis only . . . allowing five (5) to seven (7) working days for processing.
 6. Placement Test scores/status
 7. \$42.00 application fee (non-refundable, U.S. Citizens).
 8. \$78.00 application fee (non-refundable, International)
 9. No more than sixty-six (66) credit hours completed with grades of C or better may be transferred to Texas Southern University.
**Please note that transient students can only apply for the summer Terms.
No application will be processed without the required application fee.**

Note: Students who are Permanent Residents of the United States must supply certified copies of both front and back sides of their federal Green Card along with the application for admission.

- **(3) Permanent residents 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 enrolled for college credits previously should:**
 1. Follow the same steps given above for citizens of the United States with diplomas from accredited high schools or GED equivalents who have never enrolled for college credits previously.
 2. In addition, **submit certified copies of both the front and back sides of his/her federal Green Card** along with the application for admission.
 3. **Submit all specifically needed documents to the Office of International Student Affairs, Texas Southern University (at 3100 Cleburne Street; Houston, Texas 77004-9987).**

- **(4) Permanent residents of the United States who wish to transfer from other accredited colleges and universities should:**
 1. Follow the same steps given above for citizens of the United States who wish to transfer from other accredited colleges and universities.
 2. In addition, **submit certified copies of both the front and back sides of his/her federal Green Card** along with the application for admission.
 3. **Submit all specifically needed documents to the Office of International Student Affairs, Texas Southern University (at 3100 Cleburne Street; Houston, Texas 77004-9987).**

- **(5) International students who have never enrolled for college credits previously or who wish to transfer from other accredited colleges and universities should:**
 1. Provide **proof of graduation from high school** either in conjunction with the application or separately to the Office of International Student Affairs at the address in step 1.
 2. Obtain an application from the Office of International Student Affairs, Texas Southern University (at 3100 Cleburne Street; Houston, Texas 77004-9987, by calling 713-313-7896, or electronically at www.em.tsu.edu), complete it, and return it along with a required non-refundable application fee of \$78.00.
 3. Provide a **financial support statement** either in conjunction with the application or separately to the Office of International Student Affairs at the address in step 1.
 4. Provide **official proof of completion of the TOEFL examination** to the Office of International Student Affairs at the address in step 1. Applicants must have an earned score of 500 or better on the paper TOEFL or 173 or better on the computerized TOEFL to qualify for admission.
 5. Request that, if applicable, the on record college or university of current attendance transfer their SEVIS information to Texas Southern University.
 6. Request that official transcripts from all colleges and universities attended be sent directly to the Office of International Student Affairs at the address in step 1.
NOTE: The acceptability of transcripts as “official” documents is critical in the admissions process. Please read, in detail, above regarding this important matter. It is also the responsibility of all international students to have transcripts translated by an accredited company.
 7. **NOTE:** Upon admission to the University, a health examination is required of all students. Questions about the health examination should also be directed to the Office of International Student Affairs at (713)-313-7896.

- **(6) Transient students who wish to attend during SUMMER TERMS only should:**
 1. Obtain an application from the Texas Southern University Office of Admissions (at 3100 Cleburne Street; Houston, Texas 77004-9987, by calling 713-313-7071, or electronically at www.em.tsu.edu), complete it, and return it along with a required non-refundable application fee of \$42.00.
 2. Request that an official transcript and letter of good standing from the college or university in attendance be sent to the Office of Admissions at the address above. Note pertinent information about faxed records under admission category (2) above.

- (7) **Students who have been away from the University for more than one year and now wish to return should:**
 1. Obtain a readmission application form from the Texas Southern University Office of Admissions (at 3100 Cleburne Street; Houston, Texas 77004-9987, by calling 713-313-7071, or electronically at www.em.tsu.edu), complete it, and return it along with a required non-refundable readmission application fee of \$42.00.
 2. Identify the category above that best fits his/her circumstances and complete the remaining steps referenced.

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 who are admitted by the University, but fail to enroll for a given semester, may have their application information 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.

Under certain mitigating circumstances, individuals may be eligible to apply for admission during the registration period. If admission is granted under these circumstances, then the applicant must be prepared to pay his/her tuition and fees out-of-pocket.

TEXAS SUCCESS INITIATIVE (TSI)

The Texas Success Initiative was developed by the 78th State Legislature on September 1, 2003 to guarantee student success at institutions of higher education. The program involves two major components: (1) measuring students' academic skills in reading, writing and math 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 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

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) examination
3. Recommendation from a high school guidance counselor or principal
4. Earned 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 application fee of \$42.00
3. Official high school transcript showing successful completion of the TAKS examination (Exemptions do not qualify)
4. Official SAT-I, PSAT or ACT scores report (Test scores posted on a high school transcript are considered official)
5. Letter of recommendation from a high school guidance counselor or principal

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 a special student
4. will be advised by the General University Academic Center (GUAC) in Fairchild hall

Financial Aid. Since 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/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.

TRANSFER CREDIT

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. The Office of 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.

In order for the Office of 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 and dean of the student’s major department in conjunction with the Director of Admissions.

Note: No transfer credit hours will be given for college/university courses omitted on the original application.

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 5, Subchapter S, Sections 5.390 to 5.393 and 5.400 to 5.405. These sections specifically address the resolution of transfer disputes for lower-division courses between two public institutions of higher education in Texas and **are quoted directly as follows:**

- a. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:
 1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied. A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.
 2. A student who receives notice as specified in (1) 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 Texas Higher Education Coordinating 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 of Higher Education or the 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 here.
- d. The Texas Higher Education Coordinating 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.
- e. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner of Higher Education, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

ACADEMIC FRESH START

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

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. An applicant must submit a written request to the dean of the academic area in which he/she intends to major and/or the area in which he/she was last enrolled. The request must include the following information:
 - a. Full name
 - b. Texas Southern University student identification number or social security number
 - c. Mailing address
 - d. Current telephone number
 - e. Last date of enrollment at Texas Southern University, including the year and semester
2. The academic dean of record will determine whether the applicant is eligible for an academic fresh start in consultation with the University Registrar with his/her final decision communicated in writing to the Registrar within a reasonable period of time.
3. The University Registrar will notify the applicant, in writing, of his/her status within a reasonable period of time upon receipt of the decision of the academic dean.

GENERATION OF STUDENT TRANSCRIPTS

At the end of each period of enrollment at Texas Southern University, an official transcript is generated for each student. The transcript is cumulative and is designed to indicate each course attempted, each grade earned, and credit hours associated with each course. Official copies of transcripts, as needed, must be requested by students, in writing, from the Office of the University Registrar. Each request requires payment of a transcript fee to complete the processing of the request.

In the event that a student experiences a legal change of name, he/she should request that this change be reflected on his/her official transcript through completion of a Name Change Request Form that must be accompanied by official documentation. The Office of the University Registrar will make a copy of the documentation at the time the Form is submitted. Examples of required documentation may include, but are not limited to, the following: marriage license, divorce decree, court document, passport, and naturalization certificate.

STATE MANDATED COLLEGE PREPAREDNESS EXAMINATION

In admitting students, through an open admissions policy, to the University, there is a need to ensure that students admitted are adequately prepared for college studies. The State of Texas has the same need for assurance. Thus, it requires the use of certain approved examinations by state supported institutions of higher learning to assess the degree of preparation of students admitted for college study.

Prior to 2003, the state mandated the use of the Texas Academic Skills Program (TASP) examination. Although an updated version of the TASP examination is now available under the name of the Texas Higher Education Assessment (THEA) examination, other examinations have also been approved for state use.

Texas Southern University has elected to use the ASSET testing program from ACT, simply referred to as the ASSET examination, for use in assessing the college preparedness of students admitted to the University.

Prior to their first registration, new students should contact the General University Academic Center (GUAC) for more detailed

information on the ASSET examination, including possible exemption. Students who fail any part of the placement test must take appropriate developmental courses, which include ENG 129, ENG 130, MATH 130, MATH 131, READ 130, and GUAC 101 lab courses, before or concurrently with related college-level courses.

ORIENTATION PROGRAM FOR NEW STUDENTS

All undergraduate students entering the University for the first time are required to take part in a series of 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 subsequent to registration.

All entering freshmen and transfer students with fewer than 30 earned credits may be required to enroll in Sociology 211, a one-credit orientation course.

Entering freshmen and others who have not successfully passed the ASSET examination should contact the General University Academic Center (GUAC), Texas Southern University, 3100 Cleburne, Houston, Texas 77004, (713)-313-7955.

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 students once they have passed the ASSET examination 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 ASSET responsible students who have not declared majors are advised in the General University Academic Center located in the Fairchild 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 ASSET 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 at the beginning of each semester or term. Each student is assigned a faculty advisor who assists in planning a program of study. Complete registration instructions are contained in the schedule of classes each semester or term. 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 twelfth 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 Registrar's Office and have transcripts mailed from the schools attended.

Registration and Payment of Fees

Official registration days for each semester and each term of the summer session are indicated in the University Calendar at the beginning of this bulletin. Students are required to preserve their grade reports for use by counselors in preparing their schedules each semester.

Registration is not complete and no one is entitled to University privileges until all fees have been paid. Each student should bring sufficient funds to cover all required tuition, fees, and deposits.

Auditing

With the consent of the chair of the department in which the student is registered and of the teacher concerned, a student may be admitted to a course as an auditor. Auditors shall be **registered. No credit shall be given for courses that have been audited. Audit fees are the same as fees for enrollment for credit.**

Concurrent Enrollment

Students enrolled concurrently 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.

Official Enrollment in Class

A student may not attend a class after the first week of classes unless he/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/her proper registration.

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 alternative 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.

ACADEMIC REGULATIONS

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/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 load. 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 table below.

	Undergraduate Fall/Spring	Undergraduate 6-week Summer term	Graduate Fall/Spring	Graduate 6-week Summer term
Full-time	12	6	9	6
3/4 time	9-11	4-5	7-8	4-5
1/2 time	6-8	3	6	3
Less than 1/2 time	4-5	0-2	0-5	0-2
1/4 time	1-3	X	X	X

Class Attendance Regulations

Students should regularly attend class. Students are responsible for all coursework including taking exams as scheduled and completing all assignments, and instructors are not obligated to give any "make-up work." An instructor may, prior to the term purge date, administratively drop from his class any student with unexcused absences of over 10 percent of the instruction hours for the term. Instructors may define attendance rules for individual classes; in general, class attendance shall not count for more than 10 percent of the grade.

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

Changes in class schedules may be made by a student when approved by his faculty advisor and by 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/her faculty advisor and the depart-

ment in which the course is offered.

- b. **Dropping courses.** A student may, for a good cause, drop a course with the approval of his/her faculty advisor and the department in which the course is offered under the following provisions:
- During the first 12 days of any semester or the first 4 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 at any time prior to mid-semester or mid-summer term. A grade of W will be recorded.
 - After mid-semester or mid-summer term, 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.
 - **The last date to completely withdraw from the University is two (2) weeks prior to the last class day. The reason for the withdrawal must be other than academic.**

Withdrawal

To insure his/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/she has returned all library books, surrendered his/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 to 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 due to nonpayment may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Office of Enrollment Services, and must return the petition with evidence of suitable payment options. Enrollment Services reviews all such petitions on a case-by-case basis. All approved petitions are subject to a late payment fee and a reinstatement fee.

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 deans concerned.

Course Numbering

Lower division undergraduate courses are numbered from 100 to 299 while 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

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	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	Passing		0

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

Grade	Meaning	Grade or Quality Points Per Credit Hour
A	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 since 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 due to reasons beyond his/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 it remains permanently on the student’s record. 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 of “grade point average or 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 made available electronically to students, four (4) times yearly at the end of each enrollment period, no later than fourteen (14) days after all final examinations have been completed.

Good Academic Standing/Satisfactory Academic Progress

Good academic standing is defined as academic performance that meets or exceeds the requirements for satisfactory academic progress at the University. Good academic standing is to be assessed each spring semester. The satisfactory academic progress policy encompasses the requirements for satisfactory academic progress standards needed to qualify for financial assistance as stipu-

lated in the Education Amendments of 1980 (P.L. 96-374) under section 484. This issue was addressed in the previous chapter of this document under **Financial Aid and Assistance Eligibility**. Although the University's satisfactory academic progress policy includes academic standards for financial aid eligibility, the financial aid standards have a companion time frame component or requirement that must be obtained from the Office of Financial Aid. This time frame requirement is not a part of the University's overall policy.

Thus, satisfactory academic progress (SAP) at Texas Southern University will be determined using information provided in the chart that follows:

CLASSIFICATION	CREDIT HOURS THAT MUST BE ATTEMPTED	MINIMUM CREDIT HOURS THAT MUST BE COMPLETED	MINIMUM REQUIRED GPA AT COMPLETION
Freshman	1-29	67%	1.50
Sophomore	30-59	67%	1.75
Junior	60-89	67%	2.00
Senior	90 & above	67%	2.00
Post Baccalaureate or Professional	Beyond Bachelor's Degree	67%	2.00

Students will be placed on **ACADEMIC PROBATION** when they fail to meet the above standards. Once placed on academic probation, students have one calendar year to raise their academic performance to the expected levels referenced in the chart above.

Students who fail to attain minimum academic standards that will place them in good academic standing at the University will be suspended from the University for one calendar year. After that period, these individuals may apply for readmission to the University.

No student should attempt to re-enroll in a course where he/she has earned a passing grade of "C" or better. If a student needs to improve his/her GPA, he/she should seek advice from his/her major advisor or the Office of the Registrar.

Students who participate in extracurricular activities on behalf of the University must be in good academic standing.

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 only when written permission has been granted in advance by the dean of the school or college. Each request for credit in courses taken by correspondence, made by a student of the University, will be considered on its own merits by the Registrar and 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 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.

Since the last thirty 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 semester hours of credit applicable toward the requirements for a degree. Exceptions to this rule may be made at the discretion of the respective 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:

- a. **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.
- b. **Collusion.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless such collaboration is specially approved in advance by the instructor.
- c. **Cheating on an Examination or Quiz.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or testing situation. 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.
- d. **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, and shall be precluded from seeking further review under any other procedure within the University.

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

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

Procedures. A student who feels that his/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 he/she 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 days after the first day of class of the next semester (not including summers) to a standing committee of three tenured faculty members of the department offering the course. If the instructor of the course is a member of the committee, he/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 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 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:

- a. directing the instructor to re-grade the student's work,
- b. directing the instructor to administer a new final examination or paper in the course,
- c. directing the cancellation of the student's registration in the course, or
- d. 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.

REQUIREMENTS FOR COMPLETION OF BACCALAUREATE DEGREES

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 of graduation.

All University advisors of undergraduate students are expected to review each advisee's registration respective to his/her curriculum of study. This 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 which 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: department office of the 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 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. 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.**

Undergraduate Core Curriculum and the Texas Common Course Numbering System

All institutions of higher education in Texas are required to implement a core curriculum for all undergraduate degree programs in accord with Texas Education Code Chapter 61, Subchapter S, Sections 61.821-61.829. Complementing adherence to these state regulations is the Texas Common Course Numbering System (TCCNS) which has been developed through a consortium of colleges and universities in Texas to facilitate ease of transfer of semester credit hours by students between/among these institutions, particularly core curriculum credits.

Texas Southern University's undergraduate degree programs adhere to the Texas Education Code and are structured with an identical core curriculum plus add-on semester credit hours designated for the concentration, focus, or major embodied by the degree. Other enhancements may also be required, particularly if the degree plan requires the declaration or selection of a minor area of concentration. Some undergraduate degree plans do not require the declaration of a minor, while others do. In either case, degree plans are designed to reflect adherence to the Texas Education Code, to reflect adherence to accreditation standards, and to fulfill the purpose of the core curriculum as defined by the University in meeting its overall mission and goals.

The purpose of the undergraduate core curriculum common to all undergraduate degree programs at Texas Southern University is defined through the following stated objectives:

1. To develop an **understanding and appreciation** of the reality that many **diverse cultural and ethnic groups interactively contribute to the overall global society**.
2. To foster a broad **understanding of one's self, place, and well being** from the **relational perspectives of localized groups and communities, the global society, the natural environment, and the universe**.
3. To develop an **understanding and appreciation** for the fact that many **different human philosophies, values, and ethics exist** in society that mold and shape the way people go about **accomplishing tasks, achieving outcomes, and expressing themselves in their daily lives**.
4. To foster an understanding that **interrelationships and connections** exist among **all areas of knowledge**.
5. To develop **critical thinking and reasoning skills** that will facilitate the systematic formulation of logical and realistic responses and choices for the **solution of problems**.
6. To develop an **understanding** of the broad characteristics that complements academic knowledge and competencies and allow for the effective **transition from the classroom to the work place**.
7. To instill a **broad historical perspective** that is focused globally on **society, the economy, political systems, and the environment as dynamic systems**.
8. To develop an **understanding** that **dynamic systems require** continual academic study that leads to **scientific and technological breakthroughs** that impact the future.
9. To provide for the **acquisition of basic college-level competencies in reading, writing, speaking, logical deduction, mathematical computation, and electronic computing**.
10. To develop **awareness** that learning is a **life-long process** that requires **updating** and self-initiated study throughout the life span.
11. To foster an understanding of the **basic human need** to seek a **long, productive life span**.

In participating in the Texas Common Course Numbering System (TCCNS), equivalencies between this system and course offerings at the University are specified on a course-by-course basis for each academic unit described in subsequent chapters of this document. Students are, therefore, referred to the various course descriptions, by unit, for this information.

The core curriculum common to all undergraduate degrees at the University follows in the chart given on the next page.

Core Curriculum COMPONENT AREA	SCH* Required at TSU**	TSU COURSES Required	TSU Course SCH	TCCNS*** Equivalent
Communication	9	ENG 131 ENG 132 SC 135 or 136	3 3 3	ENGL 1301 ENGL 1302 SPCH 1321 or 1315
Mathematics	3	MATH 133,134, 135, or 136	3	MATH 1314, 1316,1325, or 2312
Natural Sciences	8	BIOL 143 or CHEM 111,131 plus 4 SCH selected from one of the following 8 choices (4 SCH ea.): CHEM 112,132 PHYS 141 GEOL 141 PHYS 215,235 PHYS 216,236 BIOL 135 BIOL 136 BIOL 246	4 4	BIOL 1408 or CHEM 1111,1311 CHEM 1112,1312 PHYS 1415 GEOL 1403 PHYS 1101, 1301 PHYS 1102,1302 BIOL 2401 BIOL 2402 BIOL 2420
Humanities & Visual and Performing Arts	6	ENG 2__ Plus 3 SCH selected from one of the following 6 Choices (3 SCH ea.): THC 130 THC 231 MUSI 131 MUSI 239 ART 131 ART 132	3 3	ENGL 23__ DRAM 1310 DRAM 1351 MUSIC 1301 HUMA 1301 ARTS 1316 ARTS 1303
Social and Behavioral Sciences	15	HIST 231 HIST 232 POLS 231 POLS 232 plus 3 SCH selected from one of the following 7 choices (3 SCH ea.): PSY 137 SOC 157 SOC 158 SOC 221 SOC 238 ECON 231 ECON 232	3 3 3 3	HIST 1301 HIST 1302 GOVT 2301 GOVT 2302 PSY 2301 SOCI 1301 SOCI 1306 SOCI 2306 ANTH 2346 ECON 2301 ECON 2302
Institutionally Designated Option	3	CS 116	3	COSC 1300
TOTAL	44		44	

* SCH stands for semester credit hours.

** TSU stands for Texas Southern University.

*** TCCNS stands for the Texas Common Course Numbering System.

PREPARATION FOR GRADUATION

Semester Hours and Quality Point Requirements for Graduation

1. A minimum of **124 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 offered to fulfill the major requirements.**

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.

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/she must complete these requirements within six years. In addition, he/she may graduate under any subsequent bulletin published while he/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/she must meet all requirements of the bulletin he/she selects. The University reserves the right to impose changes in academic requirements upon any student in residence.

Application for Graduation

Students expecting to graduate must file an application for graduation. The application should be filed the semester preceding the semester in which he/she intends to graduate. The student should be within 30 hours of completion of the required hours for graduation. The deadline for filing graduation applications is printed each semester in the schedule of courses. Prior to applying for graduation, the student should review his/her academic records with an academic advisor to determine whether or not he/she is eligible to apply for graduation. A degree audit, available online through the student's web account, matches completed coursework against listed degree requirements and provides an objective overview of graduation readiness. An application with instructions for completion can be obtained from the Office of the University Registrar or the office of the faculty chair in the major department in which the student is enrolled.

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 prior to final examinations. If there is a dispute concerning payment of a bill, receipts should be presented to verify payment.

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, August and December for students who qualify for graduation from Texas Southern University. All such students are expected to participate in one of these three exercises, as appropriate.

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.

Second Baccalaureate Degree

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 same level provided (1) the major field is different from that of the first degree and (2) the appropriate application for admission or re-admission is filed and approved. No honors are awarded for a second baccalaureate degree. Students seeking a second baccalaureate degree after receiving the first degree must (1) complete a minimum of thirty (30) semester hours beyond those applied to the first or previous degree, excluding transfer credits or substitutions and complying with requirements; (2) 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; and (3) achieve a cumulative minimum grade point average of 2.00 for all hours attempted for the degree.

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 \$1,000.00 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, students qualifying for rebates must meet the following conditions as set forth in the Texas Education Code:

1. They must have enrolled for the first time in the fall of 1997 or later,
2. They must have received a baccalaureate degree from Texas Southern University,
3. They must have been a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree, and
4. They must have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree under which they were graduated. Hours attempted include transfer credits, course credit earned exclusively by examination, courses that are dropped after the official census date, for-credit developmental courses, optional internship and cooperative education courses, and repeated courses. Courses dropped for reasons that are determined by the University to be totally beyond the control of the student shall not be counted.

Students meeting the criteria referenced above who wish to take advantage of this program should contact the Office of the University Registrar directly for specific instructions and procedures related to requesting consideration for the \$1,000.00 tuition rebates.

RIGHT TO PRIVACY

The Family Educational Rights and Privacy Act of 1974 is a federal law designed to protect the privacy of a student's educational records. In compliance with this act, the University may release information to the general public that may be thought of as "directory information" without the written consent of the student. However, students may request that this information be withheld from the public by giving written notice to the Office of the University Registrar. **"Directory information" includes the following: (1) name, (2) address, (3) telephone number, (4) date and place of birth, (5) weight and height of members of the athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other information (such as major field of study, degrees earned, and awards received).**

Students desiring to have "directory information," as specified above, withheld from the public should give written notice of this desire to the Office of the University Registrar 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. These written notices must be given in person. **No transcript or other academic or disciplinary record related to an individual student will be released without the written consent of the student for such a release, except as specified by law.**

STUDENT SERVICES

COUNSELING SERVICES

The program of the Counseling Services Center provides counseling for all students at Texas Southern University. The program acts as a catalyst in the educational process by promoting a healthy environment in which the individual can learn, grow, and move toward achieving his or her maximum potential. Specifically, this program facilitates total human development by providing programs that effectively integrate classroom, social, and personal experiences.

Professional services are also provided in cooperation with community health and mental health agencies. A variety of seminars and workshops is planned for the purpose of enhancing student growth and development; these activities are presented throughout the academic year.

The Counseling Services Center is staffed by professional counselors, who adhere to ethical standards as outlined by the American Association for Counseling and Development.

STUDENT HEALTH SERVICES

The Student Health Service offers medical care and educational programs to all students currently enrolled at Texas Southern University. Students who have a validated ID card and a physical examination form with current immunization report on file are eligible for clinic services.

The Student Health Center is located off Tierwester Street at parking lot D. It is staffed by one physician, two nurses and supportive administrative/clerical personnel. To provide care when needed, the Clinic is open year-round and operates on a walk-in basis. The nurses are on duty Monday-Friday from 8:00am-5:00pm. The physician is available from 3:00pm-5:00pm daily. Students may contact the Clinic at (713) 313-7173.

The center is designed and equipped to render service for minor and acute ailments/injuries. On-hand medications/medical supplies available at the Clinic are dispensed free of charge to all students with a validated ID card for the current semester. Specific medications may be obtained from any pharmacy with a prescription written by the school physician. There are no facilities for overnight stay. Two rooms are available for short-term day observation.

For services beyond the scope of the University physician, students are referred to local health care providers. Expenses for services of these providers are the responsibility of the student, not the University. Consultations made within the University are free of charge.

No one can get information from your medical record without your written consent or a court ordered subpoena. A federal regulation, known as "HIPAA" (Health Insurance Portability and Accountability Act) requires that we protect the privacy of your health information.

The Health Service does not issue routine excuses from class or work.

Insurance. Students who reside in University dormitories are provided a basic hospitalization/accident insurance plan. The premium is included in the housing fee. This plan is available to ALL University students for a small fee. The premium is low and the coverage is minimal. Information is available at the Clinic.

After Clinic hours and on weekends, residence hall students should report any emergency situation or illness to the Dormitory Director. Students living in other University housing should contact Campus Security at (713) 313-7000.

Health Awareness Programs. HIV counseling and testing is available in the Center every week. The Center will be presenting informative health programs throughout the fall and spring semester. Information regarding these programs will be posted campus wide. The pamphlet on HIV infection developed by the Texas Department of Health is available.

STUDENT GRIEVANCES

Notice of Title IX Coordinator

Advisement on matters related to Title IX is readily available in the office of General Counsel. Although informal resolution is in most cases highly desirable to any parties involved, any claims based on a violation of Title IX should be directed to the Texas Southern University Title IX Coordinator:

Title IX Coordinator
Office of General Counsel
Texas Southern University
3100 Cleburne Street
Houston, Texas 77004-9987

The Title IX Coordinator may be reached in the Office of General Counsel, Hannah Hall, room 310, by phone at (713) 313-7950 or by fax at (713) 313-1906.

Title IX Student Grievance Procedure

Title VI of the Civil Rights Act prohibits discrimination on the basis of race, color or national origin in programs or activities receiving federal financial assistance. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in educational programs or activities that receive federal financial assistance. It is the policy of Texas Southern University not to discriminate on the basis of race, color, national origin or sex in its educational programs, activities, or employment.

The following procedure governs any case in which a student has a complaint, including but not limited to a complaint of discrimination on the basis of race, sex, sexual orientation, color, religion, and national or ethnic origin, against a member of the faculty, staff or administration of Texas Southern University. It shall not be utilized for sexual harassment complaints. Sexual harassment complaints shall be resolved pursuant to Texas Southern University's Sexual Harassment Policy and Sexual Harassment Investigative Procedure.

Inasmuch as an instructor's evaluation of the quality of a student's work is final, this procedure does not apply in any dispute about a grade assigned to a student by a member of the faculty unless it is alleged that the determination of the grade resulted from discrimination based on race, sex, sexual orientation, color, religion, or national or ethnic origin. Similarly, this procedure does not apply to any matter inherent in the academic freedom of an instructor, such as the syllabus or contents of a course of instruction. The procedure may not be used to complain about the quality of a course or the quality of instruction in a course. Such concerns should be addressed directly to the department in question.

A. Informal resolution. If at all possible, the student with a complaint (Complainant) is encouraged to bring a problem directly to the attention of the person whose actions he or she has found to be objectionable. Whether or not this is done, the Complainant may seek assistance and advice on how to secure an equitable solution of the problem from any administrator or faculty member of any school.

B. Filing of a written complaint. If the problem cannot be resolved by informal discussion or if the Complainant has chosen not to discuss the matter informally, the Complainant should submit a letter to the Office of the Associate Provost for Student Services describing the complaint and the facts upon which it is based (insofar as the facts are known to the Complainant), specifying the issue or issues in question and indicating what redress or resolution of the grievance is sought. The complaint should be brought to the attention of the Associate Provost for Student Services as soon as possible after the action giving rise to it, but in no case may a complaint be submitted later than forty-five (45) days after the action upon which it is based.

The Associate Provost shall investigate within three (3) weeks after the submission of the complaint and may try to resolve the complaint informally. At the Complainant's request, the Associate Provost may agree to discuss informally the complaint with the person complained against without identifying the Complainant; however, further investigation will not be undertaken until the Complainant is ready to be identified. If the complaint has not been resolved within this three-week period, the Associate Provost shall refer it to the Student Services Advisory Committee on Student Grievances ("Advisory Committee") unless the Complainant indicates that he or she does not desire such a referral, in which case the complaint shall be dismissed. Within twenty-one (21) days of receipt of the referral from the Associate Provost, the chair of the Advisory Committee shall convene a hearing attended by the parties to the complaint to hear the complaint.

C. Review by the Associate Provost's Advisory Committee on Student Grievances

1. **Composition.** The Advisory Committee shall be composed of five (5) members appointed by the Provost. The Advisory Committee shall be a standing committee with members appointed annually at the beginning of the academic year. One student member and at least two faculty members shall be appointed to the committee. The remaining two members may be administrators, faculty members, or other individuals employed by the University. The committee shall elect a chair from among its members.

The Associate Provost shall serve as an ex-officio non-voting member of the committee and will participate fully in the committee's deliberations. The Associate Provost will be available to conduct such further investigation, as the committee deems appropriate.

Members of the committee who may be directly involved in the subject matter of any complaint are to recuse themselves during the review of that complaint. The Complainant and the person against whom the complaint is lodged shall have the right to challenge individual members of the Advisory Committee where such challenge is based on cause (e.g., close personal contact with one of the parties), but peremptory challenges will not be entertained. The Advisory Committee, excluding that person being challenged, will decide the disputed issues in cases of challenge, and its decision will not be subject to appeal. When members are excused or are otherwise unavailable to participate in the deliberations or have been successfully challenged for cause, the Provost will designate appropriate substitutes to serve for the duration of the pending case.

2. **Deliberations.** The Advisory Committee shall inform both parties in writing that it is reviewing the complaint. The person against whom the complaint has been lodged will be given a copy of the Complainant's letter describing the complaint if this has not already been done. Reasonable time (in no case less than one week and ordinarily within two weeks) is to be allowed between the receipt of the written notification and the date of the commencement of the review in order to provide the participants time to prepare for a meeting with the committee if either of the parties or the committee wishes it.

At the Advisory Committee hearing, the Complainant and the person complained against may each be accompanied by a member of the Texas Southern community (i.e., student, faculty member, administrator, or other employee of the University); however, these advisors may not act as legal representatives for the Complainant. These proceedings are non-adversarial in nature, and the advisors, although they may counsel the individual whom they are accompanying, may not participate directly in the proceedings.

The Complainant and the person complained of will have the opportunity to present information and witnesses deemed relevant by the Committee. The committee chair shall decide in the event of a disagreement regarding relevant witnesses or information. All documents considered by the Committee that relate to the actions of the person against whom the complaint has been filed may be inspected by that person. The Complainant will be permitted to inspect those documents or parts of documents directly relating to the Complainant's specific complaint that the committee deems relevant and concludes were not written under a presumption of confidentiality. Ordinarily both parties may be present when either party or any witness is being interviewed; however, the Committee may enter into closed session with or without one or both parties upon the vote of a majority of the members of the Committee (except that when any witness is being interviewed either both or none of the parties will be present as the Committee deems appropriate).

The Advisory Committee, having thus conducted its inquiry and having interviewed whatever further witnesses it deems necessary, will then deliberate without the presence of the parties and will, within twenty-one (21) days from the date of conclusion of the hearing, prepare and adopt a written report (1) stating its findings of fact and the conclusion, if any, it has drawn from these facts and (2) including a summary of the substance of testimony that the Advisory Committee has relied on in reaching its conclusions and that was heard in closed session if allowed by law. In a separate section of the report, the Committee may outline what actions, if any, it recommends be undertaken by the University to resolve the matter. The report of the Committee will be adopted only upon the majority vote of the members of the Committee who participated in the Advisory Committee's inquiry.

The Complainant may challenge the appropriateness of the Provost as the final arbiter of the complaint but must do so before the Committee's investigation has concluded. If it is shown by the Complainant to the Committee's satisfaction that the Provost cannot fairly decide the matter, then the Committee shall so inform both the parties and the Provost, and the

Committee shall submit its report to the President, or his or her designee, who will substitute for the Provost in the resolution of the complaint.

D. Final resolution of the Complaint by the Provost. The Committee will submit its report to the Provost ordinarily within seven (7) days after adoption by the Committee. The Associate Provost will permit the Complainant and the person against whom the complaint was lodged to inspect the Committee's findings of fact, conclusions, and summary of testimony in the report. Because the report is a confidential document advisory to the Provost, only the Provost is entitled to a copy of it. Neither of the parties is entitled to a copy of the report. The confidentiality of the report shall be maintained in accordance with the Family Educational Rights and Privacy Act and any other applicable state or federal law.

The Provost shall accept the Committee's findings of fact unless the Provost believes that the findings are not substantiated by the evidence presented to the Committee. The Provost may accept, modify, or reject the conclusions of the Committee and any recommendations it might have made. However, in any case where the Provost does not believe it is appropriate to follow the recommended actions of the Committee, the Provost will discuss the matter with the Committee and explain the reasons for not doing so. The Provost will then make a decision on the matter and convey his or her decision in writing to the Complainant, the person against whom the grievance was lodged, and the Committee; the Provost's decision will include his or her conclusions about the issues raised in the complaint and the remedies and sanctions, if any, to be imposed.

The Provost's decision shall be final. The Provost's decision may be to take any actions as may be within his or her authority (e.g., issue any oral or written warning or reprimand to the individual against whom the complaint was lodged; permit a Complainant to participate in an educational program or activity; institute academically appropriate procedures whereby a Complainant's grade may be reviewed). If the remedy deemed appropriate by the Provost is beyond his or her authority, the Provost will recommend the initiation of such action (disciplinary or otherwise) in accordance with applicable University practices and procedures.

The Provost's decision should ordinarily be rendered within thirty (30) days after the Provost receives the Committee's report.

E. Time Guidelines. If Texas Southern University is not in session during part of these proceedings or in instances where additional time may be required because of the complexity of the case or unavailability of the parties or witnesses, any of the time periods specified herein may be extended by the Provost. If a period is extended, the Complainant and the person against whom the complaint has been filed will be so informed.

F. Retaliation is Prohibited. It is contrary to state and federal civil rights laws and to University policy to retaliate against any person for asserting his or 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) is grounds for a subsequent claim by that person under the University's Retaliation Policy and Investigation Procedure. If a Complainant believes that he or she has been retaliated against as a result of filing a grievance, he or she may pursue a separate complaint charging retaliation by means of the University's Retaliation Investigation Procedure.

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) engaging in a legally protected activity, 2) an adverse employment action, such as suspension, demotion, or termination and, 3) a causal connection between engaging in the protected activity and the adverse employment action. Other examples of adverse employment actions include but are not limited to harassment, intimidation, threats or coercion.

Retaliation against any person who seeks assistance from the Offices of General Counsel, Internal Audit, Institutional Compliance or Human Resources, or who files a claim of discrimination, including sexual harassment, is prohibited. Direct or indirect retaliation against anyone who, in good faith, raises or points out compliance-related violations or issues is also prohibited. There

shall be no retaliation against any participant or witness in an investigation of a complaint, grievance or compliance violation. Any employee who retaliates against a fellow employee or a student in violation of the law and/or this policy is subject to disciplinary action, up to and including termination of employment.

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

An employee who has a complaint of retaliation by anyone at work, including any supervisor, co-worker, or visitor, should report such conduct to his or her supervisor. In addition, the employee should report the retaliation to the University's Employment Compliance Manager. If the complaint involves the employee's supervisor or someone in the direct line of supervision, or if the employee for any reason is uncomfortable in dealing with his or her immediate supervisor, the employee should go directly to the Compliance Manager. If the complaint involves the Compliance Manager, the employee should make a report to the University's General Counsel. For more information, contact the Office of General Counsel at (713) 313-7950.

SEXUAL HARASSMENT

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

The University's sexual harassment policy is designed to apply to employment and academic relationships among faculty, administrators, staff, and students and prohibits male-to-female, female-to-male, faculty-student and same-sex harassment. Every employee of the University must avoid offensive or inappropriate sexual and/or sexually harassing behavior at work. Furthermore, the University's guidelines apply to all sexual advances, regardless of whether they are made in the office, outside the office, or during social or business occasions.

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

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

7. Retaliation against employees who report sexual harassment or assist the University in investigating a complaint is illegal and prohibited. Retaliation includes, but is not limited to, refusing to recommend an employee for a benefit for which he or she qualifies, spreading rumors about the employee, encouraging hostility from co-workers and escalating the harassment.

Prohibitions

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

Responsibilities of the University

1. Whenever there is a violation of this policy, prompt corrective action shall be taken by the University consistent with existing rules, regulations, and policies. The University shall take preventive and corrective disciplinary action, up to and including termination of employment, against any employee who engages in sexual harassment.
2. The University's Compliance Officer shall be responsible for the coordination, dissemination, and implementation of this policy and shall work closely with senior academic and non-academic administrators to assure compliance with the provisions of this policy. The Office of General Counsel and the Human Resources Department shall serve as resources with regard to sexual harassment-related matters.
3. Each dean, director, department chairman and/or administrative officer of an operational unit shall cooperate with the Compliance Officer in the implementation and dissemination of this policy and in providing an environment free of sexual harassment. Such officials shall refer complaints arising under this policy to the Compliance Officer.
3. It is the obligation of every faculty, student and staff member of the University to adhere to this policy. Failure of supervisors promptly to investigate and report allegations of sexual harassment or failure to take timely corrective actions is a violation of University policy and may be considered a violation of the law. The University shall take appropriate disciplinary action, up to and including termination of employment, against any supervisor who fails to investigate, report and/or take timely corrective action in cases of sexual harassment.
4. The University shall exercise reasonable care to prevent and promptly correct any sexual harassing behavior, to safeguard against sexual harassment, and to prevent any harm that could have been avoided.
5. 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.
6. Retaliation against an employee who reports sexual harassment or assists the University in investigating a complaint is prohibited; any individual who retaliates against an employee under these circumstances will be subject to appropriate disciplinary action, up to and including termination of employment.

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

gations confirm the allegations, appropriate corrective action will be taken.

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

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

SERVICES TO STUDENTS WITH DISABILITIES

Introduction

Texas Southern University maintains an operating policy and associated procedures to ensure the understanding of the University's responsibilities regarding the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. The Provost/Senior Vice President for Academic Affairs and Student Services, along with the Associate Provost for Student Services, will review the policy on an annual basis and forward recommendations for revisions to the appropriate offices on the Campus, including the Human Resources Office.

The Americans with Disabilities Act (ADA) of 1990 mandates equal opportunities for persons with disabilities in all public facilities, programs, activities, services, and derived benefits. 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 ADA and Section 504 are civil rights statutes which prohibit discrimination on the basis of disability, and they obligate colleges and universities to make certain adjustments and accommodations so as to 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 students 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 students and applicants an equal educational opportunity.
- A recipient may not impose upon handicapped students rules that have the effect of limiting their participation in the recipient's 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 who are served by the University are not segregated, separated, or treated differently. The University does not require persons with disabilities to take advantage of all adjustments, accommodations, or special services.

Information

All communications from the University shall be made accessible to all students and employees concerning ADA and Section 504-related information. This includes student and employee policies, procedures, emergency evacuation plans, and other related information that shall be published in the student paper, student and employee handbooks, and the University's personnel guide.

Oversight Committee

An executive ADA committee has been formed and given a formal charge by the President of the University. This committee is the Executive ADA/Section 504 Oversight Committee (“Oversight Committee”). The members of the Committee serve for terms of two (2) years. The President appoints new members at the expiration of each two-year term. Representation includes an individual from each of the following: Offices of the General Counsel, Student Services, Human Resources and Facilities, and the Thurgood Marshall School of Law. In addition, three members are chosen from the student body and faculty.

The Oversight Committee ensures that the University makes such modifications to its 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 include the following:

- a. certify that an individual has a disability;
- b. undertake reasonable steps to obtain a professional determination of whether or not academic adjustments/auxiliary aids are necessary and, if they are, what kind;
- c. determine on an individual basis what academic adjustment(s)/auxiliary aid(s) TSU will grant and ensure that the academic adjustment(s)/auxiliary aid(s) granted is/are of an acceptable level of quality and effectiveness for each student making such a request on the basis of a disability;
- d. provide students with a justification for denial of an academic adjustment/auxiliary aid or for the selection of another academic adjustment/auxiliary aid if the provided academic adjustment/auxiliary aid is different from that requested by the student;
- e. provide students with a reasonable opportunity to submit additional information to TSU if their initial documentation does not support the request for academic adjustments/auxiliary aids; and
- f. ensure that decisions regarding requests for academic adjustments/auxiliary aids are made in a timely manner.

With the start of the fiscal year 1999-2000, a University Compliance Manager (also the ADA/504 Coordinator) in the Human Resources Office assumed responsibility in coordination with the Oversight Committee for resolving issues arising under the ADA and Section 504. The University Compliance Manager is responsible for ensuring that the University is in compliance, responds to requests from the government, and provides notification to all appropriate members within the University. The University Compliance Manager also works closely with his or her counterparts who have been designated as coordinators in the various schools with regard to complaints

Accessibility Issues

A designated representative in each building (for example, Hannah Hall, Bell, Fairchild, etc.) will serve as the point-of-contact for all ADA and Section 504 accessibility issues. That individual will be responsible for ensuring that all residents in the building are properly notified regarding ADA and Section 504 announcements and emergency evacuation plans. The representative will also work with the Facilities area 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.

Complaint Process

The purpose of this procedure is to provide the primary process for addressing student and employee complaints based on disabilities as are applicable in the ADA and Section 504 of the Rehabilitation Act of 1973. Any Texas Southern University student or employee may file a complaint if the situation warrants that action. A student grievance is a formal complaint filed by an individual enrolled in the University. An employee grievance is a formal complaint filed by an individual who is on the University’s payroll. Either individual may file a complaint. Issues that are grieved include, but are not limited to

- Denial of accommodations that have been requested OR
- Insufficient accommodations

Texas Southern University has adopted an internal complaint procedure for providing prompt and equitable resolution of complaints alleging any action prohibited by the Title II portion of the ADA and/or Section 504 of the Rehabilitation Act.

All complaints should be addressed to the University Compliance Manager at

Texas Southern University
Office of the General Counsel
3100 Cleburne Street
Houston, Texas 77004-9987

The following steps explain the procedure:

1. A complaint should be filed in writing, contain the name and address of the person filing it, and briefly describe the alleged violation of the regulations.
2. A complaint should be filed within thirty (30) days after the complainant becomes aware of the alleged violation.
3. An investigation, as may be appropriate, shall follow a filing of complaint. The University Compliance Manager shall conduct the investigation. These rules allow for an informal but thorough investigation, affording all interested persons and their representatives, if any, an opportunity to submit evidence relevant to a complaint.
4. A written determination as to the validity of the complaint and a description of the resolution, if any, shall be issued by the University Compliance Manager and a copy forwarded to the complainant and Human Resources no later than fifteen (15) business days after its filing.
5. The ADA Coordinator shall maintain the files and records of Texas Southern University relating to the complaints filed.
6. The Compliance Manager will gather all the documents relating to the investigation and submit the documents with a summary of the case to the ADA/Section 504 Hearing Committee.
7. A hearing will be held within five (5) days of the Committee's receiving the information.
8. The committee will issue a decision within twenty-four (24) hours of hearing the complaint.
9. The complainant can request an appeal of the case in instances where he/she is dissatisfied with the resolution. The request for appeal should be made within five (5) business days to
Associate Provost for Student Services
Texas Southern University
3100 Cleburne Street
Houston, Texas 77004-9987
10. The right of a person to a prompt and equitable resolution of the complaint filed hereunder shall not be impaired by the person's pursuit of other remedies such as the filing of an ADA complaint with the responsible federal department or agency. Use of this complaint procedure is not a prerequisite to the pursuit of other remedies.
11. Rules shall be constructed to protect the substantive rights of interested persons to meet appropriate due standards and to assure that Texas Southern University complies with the ADA in implementing regulations.

The Associate Provost for Student Services will appoint the ADA appeals committee. This committee, the ADA/Section 504 Hearing Committee, will hear all complaints and appeals related to ADA and Section 504. The Committee is composed of three students, two faculty members, and two administrative/staff members. A faculty member or administrative/staff member who is appointed chairs the Committee.

Hearing Procedures

1. The Chairperson will control the hearing and take whatever action is necessary 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. Only clearly relevant and substantive objections will be allowed.
2. Legal or procedural rules of evidence will not be used in the disciplinary hearing.
3. All parties, members of the Hearing Committee, complainant, and the accused, may examine all available evidence and question witnesses.
4. The student and/or employee may bring a representative; however, it is not a requirement. The student and/or employee, or their representatives, may ask questions if necessary.
5. Witnesses will be heard one at a time, and they may be excused from the hearing by the Chairperson after testifying.
6. After all available evidence and witnesses have been examined and questioned, all persons except members of the Hearing Committee must leave the room.
7. Members of the Hearing Committee will then make a determination of the case and render a written recommendation to the complainant and to the Associate Provost for Student Services.

Complaints in the following areas will utilize the same complaint procedure previously described:

- The Thurgood Marshall School of Law
- The College of Pharmacy and Health Sciences
- All other colleges and schools combined

A copy of the final resolution resulting from the complaint procedure shall be provided to the appropriate officer in the school where the violation has occurred, to the Human Resources Office, and to the Office of the General Counsel.

OFFICE OF VETERAN AFFAIRS AND THE U.S. ARMY RESERVE OFFICERS' TRAINING CORPS (ROTC) PROGRAM

The Office of Veteran Affairs functions as part of the Office of the University Registrar and is organized to help support the educational process of persons who have served in the Armed Forces of the United States and who are eligible for educational benefits at the University. Through this office counseling is provided to facilitate the acquisition of benefits from the Veterans' Administration. Advisement for the U.S. Army Reserve Officers' Training Corps Program (ROTC) that is available through Texas Southern University is also provided by the Office of Veteran Affairs. This office may be contacted by calling (713)-313-7071. Of special note is the fact that students who participate in the U.S. Army ROTC Program at Texas Southern University are also cross-enrolled at the University of Houston.

The U.S. Army ROTC program exists as a series of college elective courses and field training activities which, when successfully completed, leads to a commission as a second lieutenant in the Active U.S. Army, the U.S. Army National Guard, or the U.S. Army Reserve. Military science courses are taken in conjunction with academic course loads. Participants must be full-time students to enroll in Army ROTC, and their securing of Army commissions is entirely separate from the pursuit of academic degrees. Academic degrees may be pursued in such fields as accounting, chemistry, history, etc.; however, they will not be in military science.

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

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

In the ROTC program, participants are not members of the Active Army so they earn no Active Army benefits. As a Green-to-Gold scholarship cadet, participants may not be in a Reserve Component; however, a two-year Green-to-Gold non-scholarship cadet may be in a Reserve Component. For the latter case, participants will be entitled to reserve pay and certain benefits.

As referenced earlier in this document, scholarships are available to students participating in the U. S. Army ROTC program. Detailed information on these scholarships, including the Green to Gold scholarships referenced above, may be obtained by calling (713)-743-3875.

DRUG AND ALCOHOL ABUSE PROGRAM

Subsequent to the Higher Education Amendments of 1986, all institutions of higher education are required to certify that they "have in operation a Drug Prevention Program that is determined by the institution to be accessible to any officer, employee or student at the institution." From this mandate, the Substance Abuse Prevention, Education, and Intervention (SAPEI) program was established at Texas Southern University. A University-wide program managed through the Office of Student Services, SAPEI is governed by policies approved by the Board of Regents. The policies regulate the use of alcohol, drugs, or other controlled substances on the campus of Texas Southern University. Local, state and federal laws governing the use of alcohol, drugs, or other controlled substances are supported by this institution.

The SAPEI program is staffed by a licensed counselor and experienced support staff, as well as by volunteers consisting of University personnel, students, affiliate service providers, agencies and community groups.

The primary purpose of SAPEI is to educate the University family about the use and abuse of drugs and alcohol and to influence the choice to maintain a drug and alcohol free lifestyle. Program efforts include on-site counseling, referral, and treatment. Seminars and workshops are conducted throughout the academic year for all University constituents, as well as for some segments of the community.

The Drug and Alcohol Abuse Program is located in the Student Health Center. Office hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday and by appointment after 5:00 p.m. and on weekends.

COOPERATIVE EDUCATION AND PLACEMENT SERVICES CENTER

The Cooperative Education and Placement Services Center has the major objective of assisting students and alumni with their employment-related needs. The Center is composed of four interlocking components: Career Awareness, Job Location and Development (JLD), Cooperative Education (Co-Op)/Internships, and Career Planning and Placement.

The Career Awareness component is available to students of all academic levels and is especially designed for undecided majors and/or those individuals who would like to chart new career directions.

The JLD component is designed to assist students in locating employment opportunities that will assist them in financing their education. AR students enrolled at the University are eligible to participate in this component.

The Co-Op portion of the Cooperative Education/Internships component is designed to integrate theoretical classroom learning with practical on-the-job application in all academic disciplines. To be eligible for placement in Co-Op positions (or paid career-related experiences), students must have completed a minimum of 30 semester credit hours with a minimum overall GPA of 2.00. The Internships portion of this component is designed to locate both paid and unpaid opportunities relevant to academic majors and minors. Internships are available to students at all academic levels and generally have some type of GPA requirement.

The objective of the Career Planning and Placement component is to provide support services that will enhance the abilities of students to make self-evaluations, determine career directions, acquire job seeking skills, prepare for employment and graduate school interviews, and secure job placements.

The Center is located in the Fairchild Building, Room 150. For further information, students should call (713)-313-7142 or (713)-313-7346.

UNIVERSITY TESTING SERVICES

Through the University Testing Services program, the following functions and services are rendered:

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

The University Testing Services program 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
 - Medical College Admission Test (MCAT)
 - Law School Admission Test (LSAT)
 - General Education Development (GED) Test
 - Test of Spoken English (TSE)
- B. Institutional Testing Programs are programs that are conceived, designed, implemented, and controlled by the University.

STUDENT SUPPORT: SPECIAL SERVICES

The student special services program at Texas Southern University is a federally funded college-support program, especially designed for matriculating students who may need additional assistance and innovative curricula to ensure their success in an academic environment. The program is also designed to help educationally and economically deprived and physically handicapped students to pursue graduate and professional education. To meet this goal, the student special services program considers the student's total environment for learning and developing at the University and in the community. Counseling, tutoring, innovative curricula, special summer sessions, and coordination of University services are utilized in an effort to assist students in the development of their potential.

RESIDENTIAL LIFE AND HOUSING PROCEDURES

Because the demand for student housing is quite large, facilities may not be available for all students who apply. In order for housing applications to be processed expediently, students need to request and submit the appropriate application for the type of accommodation desired.

Along with the application, the student must remit a security deposit and a non-refundable application fee at all housing locations. The application fee will not be credited toward the amount of room and board to be paid at registration. The deposit will remain with the University as long as the student is under the terms of the Housing-Food Service Contract. Refunds will be made upon written application and upon certification by the Residential Life and Housing Office that the room vacated was left clean and in good order. Costs for damages to facilities, furnishings and special cleaning will be charged against the deposit. Where responsibility cannot be established, costs will be divided among the occupants of the room/floor/building involved in the damages.

Housing Deposit/Application Fee Refund Policy

A housing/food service contract may be obtained by students for one academic year (that is, for the fall and spring semesters), and a deposit is required. Any student with a contract who does not return for the spring semester will forfeit his/her housing deposit. The deposit will also be forfeited if the student in question cancels his/her contract after residence halls open for one of the semesters covered by the contract. The deposit is refundable when the student in question can not be accommodated. All student requests for refunds of deposits must be made in writing at the end of the contract year, but before residence halls open for the first summer term of the academic year for which the deposit was made.

Housing Reservations

Reservations are made on a "first come, first served" basis. 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. Students may apply for housing before being accepted for admission to the University; however, admission is required for occupancy.

Assignments are made beginning in the month of April for the Fall Semester, and are made in December for the Spring Semester. Every effort will be made to honor specific room requests; however, room/hall assignments are made on a space-available basis.

Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, information bulletins, and housing/food service contracts. Students will be held accountable for adherence to the contents of all contractual information. Once a student is assigned to a room, he or 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.

All residents are expected to familiarize themselves with and abide by the University Rules and Regulations. Violation of University Rules and Regulations could result in disciplinary action taken by the House Judiciary Committee, Head Resident Counselor, and/or the Office of Judicial Affairs.

The Residential Life and Housing Office is located in Room 126 of Lanier West, and the telephone number is (713)-313-7206. Information about near and off-campus student housing is available online at www.tsu.edu.

ERNEST S. STERLING STUDENT LIFE CENTER

As the “Hub of University Life”, the Student Center is a laboratory of citizenship and provides an educational experience for the development of successful leadership skills in numerous broad-based college union activities. The Center provides educational, cultural, social, and recreational programs as well as leisure activities for the entire University community.

This four-story structure in the center of the campus contains a 1,000-seat cafeteria, a 300-seat snack bar, pizza and ice cream shops, and the University Bookstore. Offices for the Student Government Association, the University Program Council, and Student Publications (**Herald Newspaper and Tiger Yearbook**), are also located here. Social events, special meetings, luncheons and receptions are held in the Tiger Room and the President’s Lounge. The Center houses a bowling facility, barber and beauty shops, a game room, a television room, reading lounges, a meditation room, and a terrace on the roof. It is also equipped to receive closed circuit television. Special features include an automatic teller machine for banking services, METRO bus pass service, and graphic services for campus clubs and organizations.

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 three branches, Executive, Legislative and Judicial, the Student Government Association serves as a means whereby students’ opinions, views, and aspirations may be properly discussed and acted upon.

Participation in the co-curricular laboratory environment provided by the Student Government Association maximizes opportunities for leadership development and ensures student participation on University committees. Weekly meetings of the Student Government Association are held in the Student Center and are open to all students.

CAMPUS ORGANIZATIONS

The Office of Campus Organizations, which is housed in the Student Center, certifies over seventy (70) campus organizations each year 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.



JESSE H. JONES SCHOOL OF BUSINESS

OVERVIEW

The Jesse H. Jones School of Business consists of two departments: (1) Accounting and Finance and (2) Business Administration. Through these two departments, **four undergraduate degrees and one graduate degree are offered. The four undergraduate degrees are the Bachelor of Business Administration in Accounting, the Bachelor of Business Administration in Finance, the Bachelor of Business Administration in Management, and the Bachelor of Business Administration in Marketing. The one graduate degree is the Master of Business Administration in Business Administration. The Bachelor of Business Administration in Accounting and Bachelor of Business Administration in Finance are administered through the Department of Accounting and Finance while the remaining two degrees are administered through the Department of Business Administration.** Students should refer to the Graduate School Bulletin of Texas Southern University for a description of the graduate degree.

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

MISSION STATEMENT

As one of the Historically Black Universities across the United States, Texas Southern University has a unique mission of service to the urban populace. Thus, the primary mission of the Jesse H. Jones School of Business is the education of students from the State of Texas and, in particular, from Houston and the surrounding area.

The primary thrust of the School of Business is on undergraduate programs. The mission of the School is to provide professional education essential to those who are preparing themselves for positions of responsibility in business, government, and community-service organizations. The School aspires to local and regional recognition as an excellent school of business. Its faculty is committed to the active involvement of students in their learning, a wide range of intellectual contributions that reflect the diversity and expertise of the faculty, and professional development activities to enhance teaching and learning.

The School is committed to providing students with a background of general knowledge and specialized training in the philosophical, social, ethical, and economic context of a rapidly changing, global, and increasingly multicultural society. Additional developmental experiences are provided through programs designed to develop social and cognitive skills, such as self-confidence, poise, and verbal and non-verbal communication skills.

Research and public service are seen as complementary to and supportive of the primary goal of providing quality education to students. Thus, research on teaching and issues related to instructional development are valued.

ADMISSION POLICIES

General Information

Admission to the Jesse H. Jones School of Business is governed by the policies established for the Office of the University Director of Admissions 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.

Readmission of Former Students

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

GENERAL SCHOOL POLICIES

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

GOOD ACADEMIC STANDING

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

ACCREDITATION

The University is accredited by AACSB International — The Association to Advance Collegiate Schools of Business and by the Commission on Colleges of the Southern Association of Colleges and Schools.

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 15,000 square foot floor has a seating capacity of 80. The Business Library has over 52,000 volumes and subscribes to more than 450 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. The DIALOG Information Retrieval Service provides more than 320 databases in a broad scope of disciplines. For the faculty, the Houston Area Research Library Consortium provides access to seven other Houston area medical and university libraries, including Rice University and the University of Houston.

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) create and present 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.

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

Accounting Organizations

Beta Alpha Psi is a national scholastic and professional accounting fraternity. The Delta Xi Chapter was established at Texas Southern University in 1975 for the purpose of encouraging and recognizing scholastic and professional excellence in the field of accounting. To achieve this purpose or objective, Beta Alpha Psi fosters the following: the promotion of the study and practice of accounting; the provision of opportunities for self-development and association among members and practicing accountants; and the encouragement of a sense of ethical, social, and public responsibilities. The minimum scholastic requirement for juniors and seniors to be members is a cumulative GPA of 3.00 in accounting courses. Also, students must have completed Accounting 231, 232, and 331 for admission.

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

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)**, which has a chapter at Texas Southern University, 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 two 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 and Finance and Department of Business Administration.

DEPARTMENT OF ACCOUNTING AND FINANCE

Courses in Accounting (ACCT), Business Law, Finance (FIN) and Insurance (INS) at both the undergraduate and graduate levels are offered through the Department of Accounting and Finance. **The Department also offers the Bachelor of Business Administration (B.B.A.) degree at the undergraduate level. A minor in Accounting and a minor in Finance are also offered at the undergraduate level. Members of the department are located on the third floor of the Jesse H. Jones 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 finance, and
- The basis for multi-dimensional roles required of professional accountants and financial managers

Requirements for the Bachelor of Business Administration in Accounting and in Finance are summarized below, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Accounting or in Finance, a total of 129 semester credit hours are required, and **students are not required to declare a minor in another academic discipline.** Students seeking either a major or a minor in Accounting or in Finance must first gain admission to the Department through procedures outlined below.

There are three possible minors in the School of Business: Accounting, Finance and Business Administration. Students seeking a minor in Business Administration should consult the next major section of this document.

For students majoring in other academic disciplines who wish to pursue a minor in Accounting, the following courses, totaling twenty-four (24) semester credit hours for which grades of C or better must be earned, are required for completion of this minor: ACCT 231 (3 semester credit hours); ACCT 232 (3 semester credit hours); ACCT 331 (3 semester credit hours); ACCT 332 (3 semester credit hours); six elective credit hours in ACCT at the 300-level or 400-level; BADM 234 (3 semester credit hours); and MGMT 300 (3 semester credit hours).

For students majoring in other academic disciplines who wish to pursue a minor in Finance, the following courses, totaling twenty-four (24) semester credit hours for which grades of “C” or better must be earned, are required for completion of the minor: FIN 301 (3 semester credit hours); ACCT 231 (3 semester credit hours); ACCT 232 (3 semester credit hours); FIN 300 (3 semester credit hours); FIN 312 (3 semester credit hours); FIN 403 (3 semester credit hours); and six elective credit hours in FIN at the 300-level or 400-level. **Students are cautioned that grades of C- do not fulfill grade requirements for these credits.** Before pursuing either minor, students must gain admission to the Department through the procedure outlined below. Students must also meet prerequisites for courses required as described in course descriptions below.

Students wishing to pursue a major in Accounting or in Finance, or a minor in Accounting or in Finance, must petition for admission to the Department of Accounting and Finance through the Office of Business Student Services. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business located in Suite 117. Transfer students must meet all admission requirements of the University, be in good standing at former institutions attended, and have met ASSET requirements to be considered for admission to the Department. Grades below C in Accounting and 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 General University Academic Center (or GUAC). 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 and Finance, 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. Graduation requirements include the following: (1) grades of C or better in all major courses (grades of C- are unacceptable); (2) no more than two grades of D in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA in all major courses of 2.50 or better.

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. Prior to sitting for the CPA examination, students can earn hours above those required to earn an undergraduate degree through either the undergraduate course offerings or the Master of Business Administration (MBA) program as 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.

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 through the General University Academic Center (or GUAC); and (4) apply for admission to the Department as either an Accounting or Finance major or an Accounting or Finance 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) 313-7910.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Ayadi, O. Felix Professor B.S., M.S., University of Lagos Ph.D., University of Mississippi</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>Boyd, Joseph L. Professor B.S., M.S., Ph.D. University of South Carolina CPA</p>	<p>Malone, Fannie L. Professor B.B.A., University of Houston M.S., University of Houston Ph.D., Texas A & M University CPA</p>
<p>Chatterjee, Amitava Professor B.S., M.S., University of Calcutta Ph.D., University of Mississippi</p>	<p>O, Sewon Assistant Professor B.A., Yonsei University M.S., Ph.D., Mississippi State University</p>
<p>Chau, Chak-Tong Associate Professor B.B.A., M.S., Stetson University Ph.D., Florida State University</p>	<p>Perkins, Carlton Assistant Professor B.S., Norfolk State College M.B.A., J.D., Texas Southern University CPA</p>
<p>Ducy, Mary Assistant Professor B.A., College of Notre Dame of Maryland M.S.A., George Washington University</p>	<p>Pitre, Richard Professor B.S., Southern University M.B.A., Atlanta University Ph.D., University of Houston CPA</p>
<p>Holley, Joyce H. Associate Professor B.S., Texas Southern University A.M., Stanford University M.B.A., State University of New York at Buffalo Ph.D., University of Houston CPA</p>	<p>Saunders, William Associate Professor B.S., Southwest Missouri State University J.D., University of Indiana</p>
<p>Hyman, Ladelle M. Professor B.S., University of Arkansas M.B.A, Marquette University M.A.S., University of Illinois Ph.D., North Texas State University CPA</p>	<p>Slade, Priscilla D. Associate Professor B.S., Mississippi State University M.S., Jackson State University Ph.D., University of Texas at Austin</p>
	<p>Tai, Chu-Sheng Assistant Professor B.S., National Cheng Kung University M.S., Golden Gate University M.A., M.A.S., Ph.D., Ohio State University</p>

ACCOUNTING COURSES

ACCT 231	Principles of Accounting I (3) Fundamental concepts of double-entry theory, recording procedures, worksheet techniques, and financial statement preparation. Accounting for cash, receivables, inventories, plant assets, and liabilities. Three hours of lecture per week. Prerequisites: MATH 133 and MATH 135. 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 and ACCT 232.
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, inventories, and plant assets. Three hours of lecture per week. Prerequisite: GPA of 2.50 or better in ACCT 231.
ACCT 332	Intermediate Accounting II (3) Accounting procedures for plant assets and intangible assets, 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.
ACCT 333	Intermediate Accounting III (3) Current accounting problems, including international accounting with special emphasis on published pronouncements or professional accounting organizations. Exploration of contemporary controversial topics included with written research paper required. Three hours of lecture per week. Prerequisite: ACCT 331.
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. Prerequisite: GPA of 2.50 or better in ACCT 231 and ACCT 232.
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. Prerequisite: ACCT 232.
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 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) Purchase and pooling-of-interest methods of accounting and special topics, including partnership formation and liquidation, government accounting, and international accounting. Three hours of lecture per week. Prerequisite: ACCT 332.

ACCT 433	Auditing	(3)
	Study of auditing principles, techniques, and procedures; professional ethics and legal responsibility; the audit program, field work, and the audit report. Three hours of lecture per week. Prerequisite: ACCT 332.	
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.	
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.	
ACCT 446	Business Internship	(3)
	Faculty supervised work experience where written reports are required. Students may be allowed to receive up to 9 hours of credit for this course with the approval of the Faculty Chair. Prerequisites: Junior or senior standing and consent of the instructor.	

FINANCE COURSES

FIN 300	Personal Finance	(3)
	Various aspects of personal and family finances including financial goal setting, budgeting, use of credit, investments, insurance, estate planning, retirement planning, taxation and housing. Prerequisites: ACCT 231 and ACCT 232.	
FIN 301	Basic Financial Management	(3)
	Introduction to financial markets, mathematics of finance, capital budgeting, valuation, and international finance. Three hours of lecture per week. Prerequisites: ACCT 231, ACCT 232, and ECON 231.	
FIN 302	Management of Financial Institutions	(3)
	Asset and liability management in the context of risk, liquidity, and profitability in the Financial Services Industry. Three hours of lecture per week. Prerequisite: FIN 301.	
FIN 303	Treasury Management	(3)
	Issues and current developments in cash and treasury management as a part of the CTM (Corporate Treasury Management) Program. The successful completion of this course with a grade of "B" or higher will satisfy the eligibility criteria for students to sit for the CTP (Certified Treasury Professional) exam offered by the Association for Finance Professionals (AFP). Prerequisite: FIN 301.	
FIN 312	Investments	(3)
	Types of investments; securities exchanges; market indexes; quotations; practices, procedures, and evaluations relating to stocks, bonds, and mutual fund tradings; the international financial environment. Three hours of lecture per week. Prerequisite: FIN 301.	
FIN 338	International Finance	(3)
	Introduction to the international financial environment and international financial tools and techniques, including the foreign exchange markets, exchange rates, financing international operations, and foreign investments. Three hours of lecture per week. Prerequisite: FIN 301.	
FIN 351	Money and Capital Markets	(3)
	Structure and flow of funds in the money and capital markets and factors influencing the cost and availability of credit. Three hours of lecture per week. Prerequisite: FIN 301.	

- FIN 403 **Corporate Financial Management** (3)
In-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 411 **Advanced Topics in Investments** (3)
Methods of investment analysis and selection; analysis of options, futures, and convertible securities; term structure of interest rate with portfolio theory and management. Three hours of lecture per week. Prerequisites: FIN 301 and FIN 312.
- FIN 412 **Finance: Cases and Readings** (3)
Analysis of case problems in finance utilizing the tools and techniques developed in prior courses. Also includes readings on current financial events. Three hours of lecture per week. Prerequisites: FIN 301, FIN 312, and FIN 403.
- FIN 412 **Finance: Cases and Readings** (3)
Fundamentals of risk management and insurance including the nature of potential loss exposures and alternative methods of managing them. Prerequisite: FIN 301.
- FIN 412 **Finance: Cases and Readings** (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. Prerequisite: FIN 301.
- FIN 412 **Finance: Cases and Readings** (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. 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE
IN ACCOUNTING
TOTAL CREDITS REQUIRED:129**

CORE CURRICULUM* (STANDARD)	MAJOR (ACCOUNTING)	OTHER REQUIREMENTS
44 credits	63 credits	22 credits
ENG 131 (3)**	School of	ECON 231 (3)
ENG 132 (3)	Business core (30)	ECON 232 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MATH 135 (3)
MATH 133 (3)	ACCT 232 (3)	MGSC 239 (3)
Natural Science (8)***	BADM 101 (3)	SOC 157 or 322 (3)
ENG 2xx (3)	BADM 230 (3)	General Electives (7)
MUSI 239 (3)	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
PSY 131 (3)	BADM 450 (3)	
CS 116 (3)	Other Major	
	Requirements (33)	
	ACCT 300 (3)	
	ACCT 331 (3)	
	ACCT 332 (3)	
	ACCT 333 (3)	
	ACCT 334 (3)	
	ACCT 336 (3)	
	ACCT 339 (3)	
	ACCT 431 (3)	
	ACCT 433 (3)	
	ACCT Electives (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.

*** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 141 (4).

**** ACCT Electives should be selected from the following upper level courses: ACCT 430, ACCT 436, ACCT 445, and ACCT 446. (Note: A 400-level FIN course may be used to substitute for one of these suggested elective ACCT courses.)

**MAJOR COURSES FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING
BY LEVEL AND SEQUENCE**

Freshman	First Semester Open
	Second Semester Open
Sophomore	First Semester ACCT 231 (Principles of Accounting I), 3 cr
	Second Semester ACCT 232 (Principles of Accounting II), 3 cr
Junior	First Semester ACCT 331 (Intermediate Accounting I), 3 cr ACCT 334 (Federal Income Tax Accounting), 3 cr Approved ACCT Elective, 3 cr
	Second Semester ACCT 300 (Accounting Information Systems), 3 cr ACCT 332 (Intermediate Accounting II), 3 cr ACCT 336 (Cost Accounting), 3 cr
Senior	First Semester ACCT 333 (Intermediate Accounting III), 3 cr ACCT 433 (Auditing), 3 cr Approved ACCT Elective, 3 cr
	Second Semester ACCT 339 (Business Law), 3 cr ACCT 431 (Advanced Accounting), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE
IN FINANCE
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (FINANCE)	OTHER REQUIREMENTS
44 credits	63 credits	22 credits
ENG 131 (3)**	ACCT 231 (3)	ECON 231 (3)
ENG 132 (3)	ACCT 232 (3)	ECON 232 (3)
SC 135 or 136 (3)	BADM 101 (3)	MATH 135 (3)
MATH 133 (3)	BADM 230 (3)	MGSC 239 (3)
Natural Science (8)***	BADM 234 (3)	SOC 157 or 322 (3)
ENG 2xx (3)	FIN 301 (3)	General Electives (7)****
MUSI 239 (3)	MGMT 300 (3)	
HIST 231 (3)	MKTG 306 (3)	
HIST 232 (3)	MGSC 302 (3)	
POLS 231 (3)	BADM 450 (3)	
POLS 232 (3)	Other Major	
PSY 131 (3)	Requirements (33)	
CS 116 (3)	FIN 300 (3)	
	FIN 302 (3)	
	FIN 303 (3)	
	FIN 312 (3)	
	FIN 338 (3)	
	FIN 403 (3)	
	FIN 412 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	FIN Elective (3)*****	
	Approved Business Elective (3)*****	

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

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

*** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 141 (4).

**** General Electives must be taken outside of the School of Business.

***** FIN Elective should be selected from the following courses: FIN 411, FIN 413, FIN 414, FIN 415, and FIN 351.

***** Business Elective must be selected from any 300 or higher-level business course.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE
BY LEVEL AND SEQUENCE**

Freshman	First Semester BADM 101 (Introduction to Business and Entrepreneurship, Government and Society), 3 cr
	Second Semester None
Sophomore	First Semester ACCT 231 (Principles of Accounting I), 3 cr ECON 231 (Principles of Economics I), 3 cr BADM 230 (Advanced Communication Skills), 3 cr BADM 234 (Legal and Regulatory Environment of Business), 3 cr
	Second Semester ACCT 232 (Principles of Accounting II), 3 cr ECON 232 (Principles of Economics II), 3 cr MGSC 239 (Business Statistics I), 3 cr
Junior	First Semester FIN 300 (Personal Finance), 3 cr FIN 301 (Basic Financial Management), 3 cr MGMT 300 (Principles of Management), 3 cr MKTG 306 (Principles of Marketing), 3 cr MGSC 331 (Business Statistics II), 3 cr
	Second Semester FIN 302 (Management of Financial Institutions), 3 cr MGSC 302 (Operations Management I), 3 cr MGSC 304 (Information Technology), 3 cr
Senior	First Semester FIN 303 (Treasury Management), 3 cr FIN 312 (Investments), 3 cr FIN 403 (Corporate Financial Management), 3 cr Approved Business Elective, 3 cr
	Second Semester FIN 338 (International Finance), 3 cr FIN Elective, 3 cr FIN 412 (Finance: Cases and Readings), 3 cr BADM 450 (Organizational Policy and Strategy), 3 cr

DEPARTMENT OF BUSINESS ADMINISTRATION

Through the Department of Business Administration, courses are offered in Business Administration (BADM) and the following functional business disciplines: Management (MGMT), Management Science (MGSC), and Marketing (MKTG). **At the undergraduate level, the Bachelor of Business Administration (B.B.A.) Degree is offered in Management and in Marketing; and, at the graduate level, the Master of Business Administration (M.B.A.) Degree in Business Administration is offered. Also, an undergraduate minor in Business Administration is offered through this unit.** Members of the Department are housed on the third floor of the Jesse H. Jones School of Business building in Suites 315 and 340.

Students interested in the Master of Business Administration in Business Administration 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, 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 and Marketing majors.

Students who have been admitted to the University and who wish to pursue either an undergraduate major in Management or in Marketing or a minor in Business Administration must first gain admission to the Department through the process outlined below. As is the case for the other undergraduate degrees offered through the Jesse H. Jones School of Business, **students pursuing the B.B.A. in Business Administration in this unit are not required to declare a minor in another academic discipline at the University.**

For students majoring in other academic disciplines who wish to pursue a minor in Business Administration, twenty-seven (27) semester credit hours are required through enrollment in the following three-credit courses: ECON 231, ECON 232, ACCT 231, ACCT 232, BADM 234, FIN 301, MGMT 300, MKTG 306, and one 300 level or 400 level elective offered through this unit. **Students are cautioned that grades of “C-” are not acceptable for the twenty-seven (27) semester credit hours referenced.**

Students wishing to pursue a major in Management or in Marketing, or a minor in Business Administration, 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. Transfer students must meet all admission requirements of the University, be in good standing at former institutions of attendance, and have met ASSET 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 ASSET status through the General University Academic Center (GUAC). Transcripts of all college work must be forwarded to or presented to the Office of 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.

Graduation requirements include the following: (1) Grades of “C” or better in the major courses (grades of “C-” are unacceptable); (2) no more than two grades of “D” in non-major Business 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 or in Marketing, or a minor in Business Administration; (3) satisfy ASSET requirements through the General University Academic Center (GUAC); 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.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Desai, Mayur Associate 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>Smith, Marion Assistant Professor B.S., M.B.A., Rensselaer Polytechnic Institute Ph.D., University of Houston</p>
<p>Hansen, David E. Associate Professor B.A., San Diego State University M.B.A., University of California at Los Angeles Ph.D., Duke University</p>	<p>Superville, Claude Professor B.B.A., Florida International University M.S., Ph.D., University of Alabama CQE, Certified Quality Engineer-American Society for Quality</p>
<p>Offori-Brobby, Kwadwo Assistant Professor B.A.(Ed), University of Cape Coast M.B.A., M.P.A., Texas Southern University M.Tax, University of Mississippi Ph.D., University of Texas at Dallas</p>	<p>Wiley, Clara A. Instructor B.S., M.B.A., Texas Southern University</p>
<p>Ojode, Lucy Assistant Professor B. Com., University of Nairobi M.B.A., University of Nairobi Ph.D., University of Illinois, Urbana Champaign</p>	<p>Williams, John H. Associate Professor B.A., Prairie View A & M University M.B.A., Ph.D., University of Texas at Austin</p>
<p>Parks-Yancy, Rochelle Assistant Professor B.S., Central State University M.B.A., Howard University Ph.D., Rutgers University</p>	<p>Williams, Johnnie Assistant Professor B.A., Rollins College M.S., Ph.D., University of Tennessee</p>
<p>Ramaswamy, K. V. Professor B.E., University of Madras M.S., Ph.D., Texas Tech University</p>	<p>Woldie, Mammo Associate Professor B.A., Haile Selassie University M.S., Western Michigan University Ph.D., Oklahoma State University</p>
<p>Ramsey, V. Jean Professor Bachelor of Individualized Studies, New Mexico State University - Las Cruces M.B.A., Ph.D., University of Michigan – Ann Arbor</p>	<p>Yorke, George G. Associate Professor B.A., M.S., Howard University Ph.D., University of Virginia</p>

BUSINESS ADMINISTRATION COURSES

BADM 101	Introduction to Business and Entrepreneurship (1) 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: Senior standing and completion of all 300-level Business Core courses.
BADM 466	Business Internship (3) Faculty supervised work experience where written reports are required. Prerequisites: Junior or senior standing and consent of the instructor.

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 Manpower 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. 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.

MANAGEMENT SCIENCE COURSES

- MGSC 239** **Business Statistics I** (3)
Basic elements of classical statistical analysis, including descriptive statistics, probability theory, probability distributions, sampling, estimation, and testing in the analysis of business problems. Three hours of lecture per week. Prerequisites: MATH 133 and MATH 135 or higher (except MATH 231).
- MGSC 302** **Operations Management I** (3)
Introduction to organizational and managerial problems in the area of operations. Topics include forecasting, inventory, scheduling, operations planning, and control. Three hours of lecture per week. Prerequisites: MGSC 239 and 60 semester credit hours completed.
- MGSC 303** **Operations Management II** (3)
Design, operation, and control of the transformation process in both service and production settings. Topics include: quality assurance, aggregate planning, and queuing analysis. Three hours of lecture per week. Prerequisite: MGSC 302.
- MGSC 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. Prerequisites: CS 116 and 60 semester credit hours completed.
- MGSC 331** **Business Statistics II** (3)
Special topics in statistics, including regression, correlation, analysis of variance, time series, and non-parametric statistics as related to statistical decision theory applied to business problems. Three hours of lecture per week. Prerequisites: MGSC 239.

MARKETING COURSES

- MKTG 306** **Principles of Marketing** (3)
Marketing functions and environmental factors related to satisfying consumer needs. Legal, behavioral, ethical, competitive, economic, and technological factors discussed as they affect marketing decisions. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
- MKTG 307** **Marketing Channels and Institutions** (3)
Institutional, functional, and social aspects of distribution channel design and management with emphasis on retail management. Three hours of lecture per week. Prerequisite: MKTG 306.
- MKTG 336** **Marketing Communications** (3)
Design and evaluation of marketing communications: communication theory, theories of persuasion and attitude change, promotion mix decisions, and advertiser-agency relationship. Three hours of lecture per week. Prerequisite: MKTG 306.
- MKTG 430** **Marketing Decision Making: Theory and Practice** (3)
Role of information in marketing decision making with emphasis on the application of research concepts and methodologies to marketing problems. Three hours of lecture per week. Prerequisites: MGSC 239 and MKTG 306.
- MKTG 431** **Entrepreneurial Marketing** (3)
Planning, developing, and implementing marketing programs for entrepreneurial opportunities. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.
- MKTG 432** **International Marketing** (3)
Problems and procedures for marketing in foreign countries: effects of foreign cultures and marketing systems on design and execution of marketing. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.
- MKTG 435** **Strategic Marketing Management** (3)
Strategic marketing management concepts: market opportunity analysis; market segmentation, targeting, and positioning; marketing mix strategies; and the marketing control process. Three hours of lecture per week. Prerequisites: MKTG 430 and 90 semester credit hours completed.

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE
IN MANAGEMENT
TOTAL CREDITS REQUIRED: 12**

CORE CURRICULUM* (STANDARD)	MAJOR (FINANCE)	OTHER REQUIREMENTS
44 credits	63 credits	22 credits
ENG 131 (3)**	School of	ECON 231 (3)
ENG 132 (3)	Business Core (30)	ECON 232 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MATH 135 (3)
MATH 133 (3)	ACCT 232 (3)	MGSC 239 (3)
Natural Science (8)***	BADM 101 (3)	SOC 157 or 322 (3)
ENG 2xx (3)	BADM 230 (3)	General Electives (7)****
MUSI 239 (3)	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
PSY 131 (3)	BADM 450 (3)	
CS 116 (3)	Other Major	
	Requirements (33)	
	MGMT 301 (3)	
	MGMT 330 (3)	
	MGMT 395 (3)	
	MGMT 400 (3)	
	MGMT 401 (3)	
	MGMT 402 (3)	
	MGSC 303 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	Approved Business	
	Electives (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.

*** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 141 (4).

**** General Electives must be taken outside of the School of Business.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT
BY LEVEL AND SEQUENCE**

Freshman	First Semester BADM 101 (Introduction to Business and Entrepreneurship), 3 cr
	Second Semester None
Sophomore	First Semester ACCT 231 (Principles of Accounting I), 3 cr ECON 231 (Principles of Economics I), 3 cr BADM 230 (Advanced Communication Skills), 3 cr BADM 234 (Legal and Regulatory Environment of Business), 3 cr
	Second Semester ACCT 232 (Principles of Accounting II), 3 cr ECON 232 (Principles of Economics II), 3 cr MGSC 239 (Business Statistics I), 3 cr
Junior	First Semester FIN 301 (Basic Financial Management), 3 cr MGMT 300 (Principles of Management), 3 cr MKTG 306 (Principles of Marketing), 3 cr MGSC 304 (Information Technology), 3 cr MGSC 331 (Business Statistics II), 3 cr
	Second Semester MGMT 301 (Personnel and Manpower Development), 3 cr MGMT 402 (International Management), 3 cr MGSC 302 (Operations Management I), 3 cr MGMT 330 (Organizational Behavior), 3 cr
Senior	First Semester Elective (Approved Business Course), 3 cr MGMT 400 (Small Business Management), 3 cr MGMT 395 (Teambuilding and Organizational Change), 3 cr
	Second Semester BADM 450 (Organizational Policy and Strategy), 3 cr MGMT 401 (Leadership and Motivation), 3 cr MGSC 303 (Operations Management II), 3 cr Elective (Approved Business Course), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF BUSINESS ADMINISTRATION DEGREE
IN MARKETING
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (MARKETING)	OTHER REQUIREMENTS
44 credits	63 credits	22 credits
ENG 131 (3)**	School of Business	ECON 231 (3)
ENG 132 (3)	Core (30)	ECON 232 (3)
SC 135 or 136 (3)	ACCT 231 (3)	MATH 135 (3)
MATH 133 (3)	ACCT 232 (3)	MGSC 239 (3)
Natural Science (8)***	BADM 101 (3)	SOC 157 or 322 (3)
ENG 2xx (3)	BADM 230 (3)	General Electives (7)****
MUSI 239 (3)	BADM 234 (3)	
HIST 231 (3)	FIN 301 (3)	
HIST 232 (3)	MGMT 300 (3)	
POLS 231 (3)	MKTG 306 (3)	
POLS 232 (3)	MGSC 302 (3)	
PSY 131 (3)	BADM 450 (3)	
CS 116 (3)	Other Major	
	Requirements (33)	
	MKTG 307 (3)	
	MKTG 336 (3)	
	MKTG 430 (3)	
	MKTG 431 (3)	
	MKTG 432 (3)	
	MKTG 435 (3)	
	BADM 466 (3)	
	MGSC 304 (3)	
	MGSC 331 (3)	
	Approved Business	
	Electives (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.

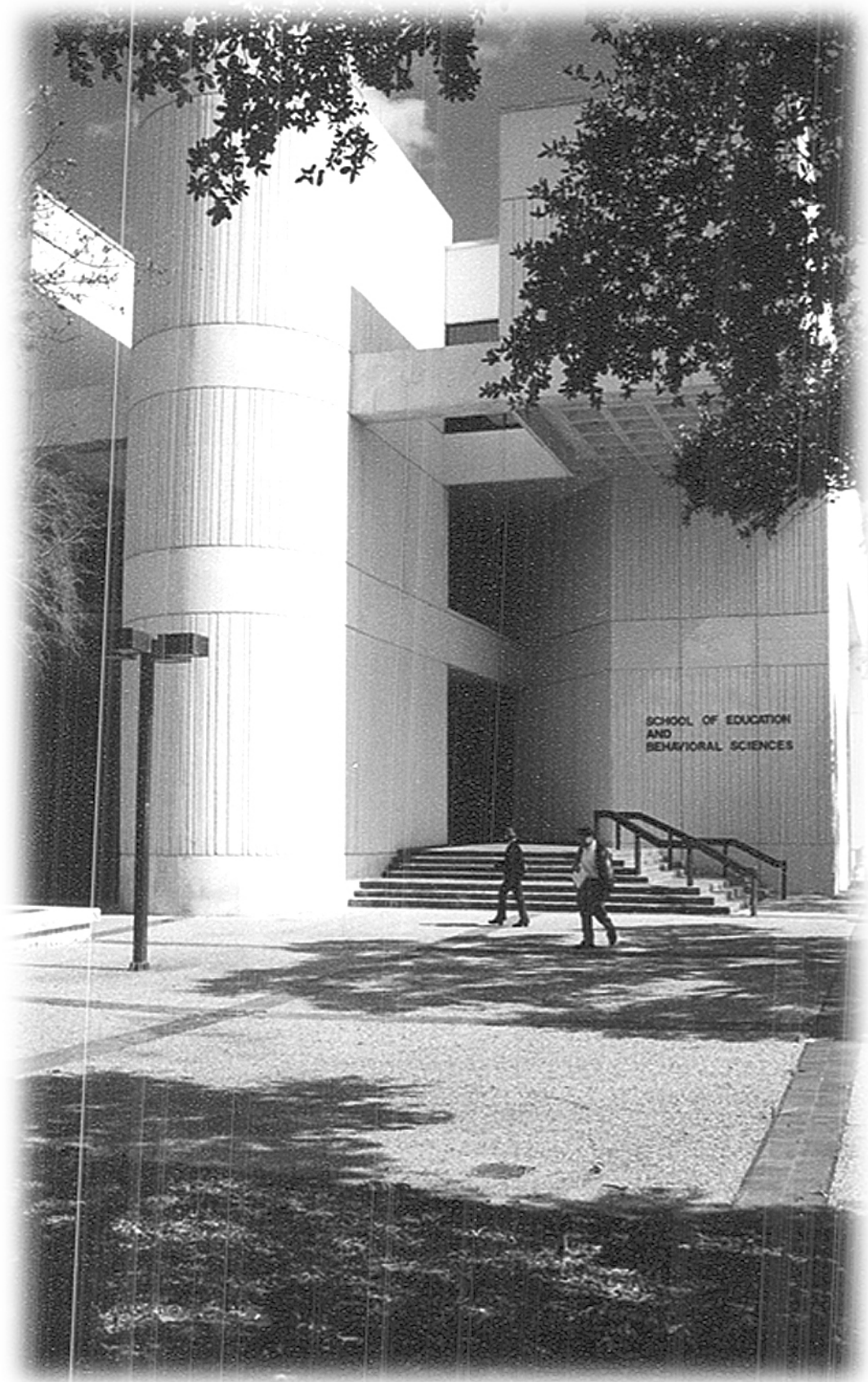
*** Natural Science credits should be selected from the following: BIOL 143 (4); CHEM 111, 131 (4); CHEM 112, 132 (4); GEOL 141 (4); and PHYS 141 (4).

**** General Electives must be taken outside of the School of Business.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING
BY LEVEL AND SEQUENCE**

Freshman	First Semester BADM 101 (Introduction to Business and Entrepreneurship), 3 cr
	Second Semester None
Sophomore	First Semester ACCT 231 (Principles of Accounting I), 3 cr ECON 231 (Principles of Economics I), 3 cr BADM 230 (Advanced Communication Skills), 3 cr BADM 234 (Legal and Regulatory Environment of Business), 3 cr
	Second Semester ACCT 232 (Principles of Accounting II), 3 cr ECON 232 (Principles of Economics II), 3 cr MGSC 239 (Business Statistics I), 3 cr
Junior	First Semester FIN 301 (Basic Financial Management), 3 cr MGMT 300 (Principles of Management), 3 cr MKTG 306 (Principles of Marketing), 3 cr MGSC 304 (Information Technology), 3 cr MGSC 331 (Business Statistics II), 3 cr
	Second Semester MKTG 307 (Marketing Channels and Institutions), 3 cr MKTG 336 (Marketing Communications), 3 cr MGSC 302 (Operations Management I), 3 cr
Senior	First Semester MKTG 430 (Marketing Decision Making: Theory and Practice), 3 cr Elective (Approved Business Course), 3 cr BADM 466, 3 cr Elective (Approved Business Elective), 3 cr
	Second Semester MKTG 431 (Entrepreneurial Marketing), 3 cr MKTG 432 (International Marketing), 3 cr MKTG 435 (Strategic Marketing Management), 3 cr MGMT 450 (Organizational Policy and Strategy), 3 cr





COLLEGE OF EDUCATION

OVERVIEW

The College of Education consists of four instructional departments (Curriculum and Instruction, Educational Administration and Foundations, Counseling, and Health and Kinesiology) through which three undergraduate degrees and twelve graduate degrees are offered. The three undergraduate degrees are the Bachelor of Science in Interdisciplinary Studies, the Bachelor of Science in Health, and the Bachelor of Science in Human Performance. The twelve graduate degrees are the Master of Education in Counselor Education, the Master of Education in Administration, the Master of Education in Supervision, the Master of Science in Health, the Master of Science in Human Performance, the Master of Education in Curriculum and Instruction, the Master of Education in Bilingual Education, the Master of Education in Elementary Education, the Master of Education in Special Education, the Master of Education in Early Childhood Education, the Master of Reading in Education, the Master of Education in Secondary Education, and the Doctor of 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 on the Department of Counseling, should consult the Graduate School Bulletin of Texas Southern University.

The College is organized with a Dean, two Associate Deans, and four Faculty Chairs. The College also operates the Center for Development and Study of Effective Pedagogy for African-American Learners (CPAL). The CPAL provides faculty, students, and other professional educators with the opportunity to engage in research and share both information and professional knowledge with school districts throughout the state of Texas. The Dean, Associate Deans, and Faculty Chairs are all housed in the Roderick R. Paige College of

Education Building with the Dean's Office located in Room EB 243.

The Director of Field Experiences and the Teacher Certification Officer are housed in the College of Education; they share the same set of offices. Students interested in applying for the Teacher Preparation Program, the Alternative Certification Program, the Deficiency Plan Program and/or Certification at Texas Southern University should obtain application forms for these programs from the Office of the Director of Field Experiences and/or the Teacher Certification Officer in Room EB 100 of the Roderick R. Paige Education Building. This office may also be reached by calling (713)-313-7434 or (713)-313-7751.

Some scholarships may be available for students preparing for the teaching field. Interested students should contact the Office of the Dean for details.

MISSION STATEMENT

The mission of the College of Education is to prepare competent career professionals for effective service in urban schools and agencies. Through research, collaboration, and applications, it seeks solutions to teaching, learning, and behavioral problems facing America's urban population.

ADMISSION INFORMATION

Admission to the College of Education Teacher Preparation Program is governed by the following criteria:

1. Completion of the Teacher Preparation Program application.
2. Submission of all transcripts from all colleges attended and a transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
3. Completion of a Teacher Preparation Core of courses consisting of the standard forty-four (44) semester credit hour University core plus thirteen (13) additional credits, as follows:
 - 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 141)
 - 3 hours of Mathematics (MATH 133, 134, 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, 131L)
 - 1 hour of Physical Education (any 100 level activity course)
 - 3 hours of Instructional Technology (EDCI 210)
 - 9 hours of electives selected from:
 - Chemistry
 - Mathematics
 - Theater
 - Foreign Language
 - Sociology
 - Health
 - Adolescent Psychology
4. Submission of a degree plan, signed by the advisor, in the area for which certification is sought.
 5. A minimum overall grade point average (GPA) of 2.75 with all courses completed with grades of “C” or better (grades of “C-” are unacceptable).
 6. Submission of verification that all parts of the THEA (Texas Higher Education Assessment) examination have been passed with the following minimum scores: 270 in Reading; 230 in Mathematics; and 220 in Writing. (The THEA examination is a different examination from the ASSET examination required for admission to the University. Both the ASSET and THEA must be passed for admission to the Teacher Preparation Program at Texas Southern University.)

Admission to the Teacher Preparation Program is decided by an Admissions Committee composed of members from several Departments. The Teacher Preparation Program Admissions Committee will notify the applicant of the action taken on the application.

Students seeking to transfer to the University should note that the two application processes, to Texas Southern University and to the College of Education Teacher 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 program. Approval for admission to the program does not imply approval for any other purpose (e.g., admission to the University, financial aid, housing, etc.).

STATE BOARD FOR EDUCATORS CERTIFICATION POLICIES

As of May 2002, applicants to the teacher preparation program must pass the TExES proficiency test in their area of study and/or endorsement, as well as the pedagogy and professional responsibilities proficiency test (TExES PPR).

Only eligible candidates may attempt TExES. A candidate is eligible when the candidate’s advisor and department head grant approval to sit for any of the state proficiency tests.

The application for the Teacher Preparation Program must be completed and accompanied by current transcripts, a degree plan signed by the applicants’ advisor, and THEA scores. Please forward application materials to:

Director of Field Experiences
 College of Education, Room 100
 Texas Southern University
 3100 Cleburne, P.O. Box 1680
 Houston, Texas 77004-4501

For additional information call 713-313-7498 or e-mail Dr. Roscette Lewis Holmes at Holmes_RY@tsu.edu.

STUDENT TEACHING INFORMATION

Students are admitted to student teaching by an Admissions Committee. The applicant for the student teaching practicum must complete an application that includes the approval of the student’s advisors (in the department of Curriculum and Instruction and in the content area). The application deadlines are as follows: the first Friday in March for the Fall Student Teaching Practicum; and the first Friday in November for the Spring Student Teaching Practicum. A current transcript must accompany the completed application.

Persons seeking approval to do student teaching are discouraged from enrolling in any additional courses. The applicant must have completed the 45 hours of observation in the field, as required by the State of Texas, prior to admission to the practicum, and the applicant must have passed both TExES tests: content and PPR.

After approval has been given to a student seeking admission to the Student Teaching Practicum, the student teacher is scheduled for an interview with the Director of Field Experiences and any member of the faculty in the Department of Curriculum and Instruction who is able to participate. During this interview, there is a discussion about the student's demographics and how it may impact success of the practicum. The interview may raise such issues as: transportation, children, or any constraints that may negatively affect the success of the placement. Student teachers are provided professional development activities that are related to their optimum functioning in the practicum

Student teachers are assigned to school districts through the collaboration of the Director of Student Teaching and the human resources personnel of the district to which the student teacher is assigned. Attention is given to the certification the student is seeking, the availability of school-based teachers to supervise, the constraints that surfaced in the interview, and any other requirements that may impact student placement.

The student teaching practicum is sixteen weeks. An Orientation is provided for the student teachers prior to their placement. In addition, professional development activities are scheduled on Thursday afternoons from 1:00 p.m. to 3:30 p.m. so that students have the following day on the campus to become aware of any factors that may impact them the following week. Human resources personnel present these workshops at no cost. It enables them to actively recruit teachers prior to their graduation.

An Orientation is also provided for the school-based supervisors. Coordination of this orientation is achieved through the human resources personnel identified by these districts to be the point of contact and are conducted within the district's facilities. Every effort is made to provide each district's school personnel with on-site orientation to the requirements and expectations of the University.

TEACHER PREPARATION PROGRAM

As prescribed by the 1987 State Board of Education requirements for Teacher Preparation, students interested in receiving the provisional teaching certificate must fulfill the following curricular requirements:

1. a general education curriculum;
2. teaching specialty curricula designed for Texas public school instruction; and
3. professional studies curricula designed for specific roles in public school teaching.

In addition to these requirements, the following options are available, based upon the type of undergraduate degree earned:

Bachelor of Science Degrees Options I & II

EC-4 Bilingual Generalist

EC-4 Generalist

4-8 Bilingual Education Generalist

4-8 English Language Arts/Reading

4-8 English Language Arts/Social Studies

4-8 Mathematics.

4-8 Mathematics/Science

4-8 Science

4-8 Social Studies

EC-12 Special Education, All Levels

The following secondary school options are currently under review for the University. Students should check frequently with the Office of the Teacher Certification Officer for the availability of new options.

8-12 English Language Arts

8-12 Mathematics

8-12 History

8-12 Life Science

8-12 Social Studies

8-12 Mathematics/Physics

8-12 Science

APPROVED ENDORSEMENT PROGRAMS

Persons interested in Supplement Certification should check with the Certification Officer in Room 100 of the Roderick R. Paige Education Building.

POST BACCALAUREATE CERTIFICATION

Persons who currently hold an earned bachelor's degree and wish to obtain elementary or secondary certification should apply to the Alternative Certification Program or request a Deficiency Plan through the Office of Teacher Certification (Room EB 100) in the Roderick R. Paige Education Building. The number of semester credit hours required to complete the Deficiency Plan will vary on an individual basis and in accord with the individual's transcripts. The ACP is completed in one year after the applicant passes the content area TExES. The applicant must enroll in the professional development courses and in the practicum to complete the program.

REQUIREMENTS FOR CERTIFICATION

The requirements for persons seeking certification are:

1. earned grades of "B" or better, where grades of "B-" are unacceptable, in professional development courses.
2. earned grades of "B" or better, where grades of "B-" are unacceptable, in all other courses;
3. completion of student teaching or evidence of the completion of two years of teaching experience as a teacher of record;
4. completion of no more than six (6) semester credit hours in specialization courses prior to admission by the College of Education; and
5. **earned passing score on all required state-mandated TExES Examination(s).**

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.

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 and Kinesiology.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

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. At the graduate level, the Master of Education (M.Ed.) in Curriculum and Instruction is offered in Bilingual Education, Early Childhood Education, Reading Education, and Special Education along with the Master of Education degree (M.Ed.) in Secondary Education. A Doctor of Education (Ed.D.) Degree is offered in Curriculum and Instruction with a focus on urban school communities. The B.S. in Interdisciplinary Studies leads to Teacher Certification in the state of Texas in EC-4 or 4-8 in one of eight specialty areas: Bilingual Education/ESL, Early Childhood Education, Generic Special Education, Mathematics, Mathematics/Science, Science, English Language Arts/Reading, and Social Studies. Students have two options for these degrees. Option I has not foreign language component, Option II requires a foreign language component. Additionally, the Department offers two endorsement programs in Bilingual Education and Early Childhood Education. Unlike most of the instructional units at the University, no minor is offered through this Department. The Department and associated instructional facilities are housed in the Roderick R. Paige Education Building with the Department Office located in Room 204.**

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.

The mission of the Department of Curriculum and Instruction is to prepare effective teachers to serve culturally diverse populations in schools in the United States with a focus on urban school populations.

The eight specialty areas for the B.S. Option II and the seven specialization areas for the B.S. Option I in Interdisciplinary Studies represent fifteen (15) tracks that students may follow toward completion of the degree and Teacher Certification. Students pursuing any one of the fifteen tracks must be admitted to the Department as well as to the Teacher Preparation Program in the College of Education.

Requirements for the B.S. in Interdisciplinary Studies, by track, are summarized below. Interested students must (1) Gain admission to the University, (2) satisfy ACTS Software Sustainment and Evaluation Team (ASSET) requirements, (3) eradicate deficiencies assessed at the time of admission through the General University Academic Center (GUAC), (4) pass the Texas Higher Education Assessment (THEA) (see previous section) and (5) petition the Department for admission as ASSET requirements are completed. Students are admitted after review by a departmental committee; and, once admitted, they are assigned an official advisor who should be consulted each academic term. Advisors guide admitted students through the admission process for the Teacher Preparation Program, as well as oversee their matriculation through the Program. Also, advisors/counselors counsel students regarding their graduation status during the junior and for senior years of study. All requirements for the Teacher Preparation Program must be met (consult previous section of this document under the College of Education), and students must earn an overall GPA of 2.75 or better as a requirement for graduation. Courses designated as major courses must be completed with grades of “B” or better, where grades of “B-” are unacceptable; and grade restrictions referenced for the Teacher Preparation Program must also be met.

In summary, students must gain admission to the University; meet ASSET responsibility, petition the Department for admission; and qualify for the Teacher Preparation Program. Requirements for the Teacher Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department Office at (713)-313-7267.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Amacker, Emma Assistant Professor B.S., Grambling State University MA., Governors State University Ed.D., Texas Southern University</p>	<p>Program Coordinator, University Center Vacant</p>
<p>Barnett, Wylma Associate Professor BA., Spelman College M.Ed., Ed.D., Texas Southern University</p>	<p>Johnson, Jr., James A. Associate Professor B.A., Brooklyn College Ph.D., University of California M.S., Nova University</p>
<p>Baumgarten, Thomas Professor B.S., University of Texas at Austin M.A., Incarnate Word College Ed.D., University of Houston</p>	<p>Lara, Margarita Associate Professor B.S., University of Texas at El Paso M.Ed., University of Texas at Austin Ed.D., University of Houston</p>
<p>Biris, Eva Assistant Professor B.A., Concordia University M.Ed., McGill University Ph.D., Berne International Graduate University</p>	<p>Lignons, Claudette M. Professor B.S., Hampton University M.Ed., University of Massachusetts Ed.D., University of Houston</p>
<p>Brooks, Sumpter L. Professor B.S., Wiley College M.Ed., Texas Southern University Ed.D., University of Houston</p>	<p>Quintana, Marian Assistant Professor B.A., Complutense University M.A., Marquette University Ph.D., University of Houston</p>
<p>Chandler, Wallace Assistant Professor B.S., M.A., Ph.D., Ohio State University</p>	<p>Saha, Nina Assistant Professor B.A., Delhi University M.A., Nagpur University Ph.D., Syracuse University</p>
<p>Gooden, Cherry Associate Professor B.S., M.Ed., Texas Southern University Ed.D., University of Houston</p>	<p>Starz, Mary Associate Professor/Chair B.S., University of Texas at El Paso Ph.D., University of Texas at Austin</p>

EDCI 402	<p>Science Strategies (3)</p> <p>Stresses the principles, content, methods and materials of teaching science in grades EC-8. The major focus is on planning, organizing, and delivering instruction based on the Science Teks. Three hours of lecture per week.</p>
EDCI 403	<p>Science Strategies II</p> <p>Stresses the principles, content, methods and materials of teaching science; includes planning, organizing and delivering instruction based on science TEKS. EC-12</p>
EDCI 404	<p>Certification Seminar (3)</p> <p>Emphasizes the importance of aligning knowledge and skills with ideal practices in developmentally appropriate teaching environments. Three hours of lecture per week. Prerequisites: EDCI 310, 328, 339 and 350.</p>
EDCI 405	<p>Integrated Language Arts, Social Studies, and Fine Arts (3)</p> <p>Enhances the language skills of pre-service teachers through Social Studies, Art, Music, and Drama in order for teachers to model effective teaching practices from a whole language approach. Three hours of lecture per week.</p>
EDCI 410	<p>Individual Project (3)</p> <p>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.</p>
EDCI 430	<p>Integrated Science, Mathematics, and Health (3)</p> <p>Provides integrated study of the natural and social sciences, along with mathematics and health, in a creative way with associated teaching strategies to support the success of urban students. Intended for pre-service teachers. Three hours of lecture per week.</p>
EDCI 431	<p>Linguistics (3)</p> <p>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.</p>
EDCI 432	<p>Language Acquisition (3)</p> <p>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.</p>
EDCI 433	<p>Early Childhood Curriculum (3)</p> <p>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.</p>
EDCI 434	<p>Creative Arts and Movement (3)</p> <p>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-4 curriculum. Three hours of lecture per week.</p>
EDCI 435	<p>Language Development and Literacy in Early Childhood (3)</p> <p>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.</p>

EDCI 436	Developing English Language Skills Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.	(3)
EDCI 450	Directed Student Teaching in Grades 4-8 Provides directed student teaching in grades 4-8 with supervisory support from the College of Education, a University-based supervisor, and a school-based supervisor. Two hours of lecture and forty hours of laboratory per week.	(6)
EDCI 455	Curriculum Development in Bilingual Education Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-8 bilingual education. Includes evaluation of designed curriculum and application.	(3)
EDCI 456	Developing Spanish Language Skills I Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.	(3)
EDCI 457	Developing Spanish Language Skills II 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.	(3)
EDCI 458	Effective Classroom Communications Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. EC-12	(3)
EDCI 463	Directed Student Teaching in Special Education 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.	(6)
EDCI 464	Directed Student Teaching in High School 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.	(6)
EDCI 466	Directed Student Teaching in Bilingual Classrooms 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.	(6)
EDCI 468	Directed Student Teaching - All Levels Creates opportunities for observation and directed teaching at the elementary and secondary levels. Half of the time spent in an elementary school and half of the time spent in a high school setting. Two hours of lecture and forty hours of laboratory per week.	(6)
EDCI 478	Family and Community Relationships in Early Childhood 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.	(3)
EDCI 479	Management in Early Childhood Environment 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.	(3)

EDCI 491 **Directed Student Teaching in Elementary School and Kindergarten** (6)
Creates opportunities for observation and directed student teaching at the elementary and kindergarten levels. Half of the time spent in an elementary school and half of the time spent in a kindergarten setting. Two hours of lecture and forty hours of laboratory per week.

READING EDUCATION COURSES

RDG 301 **Basic Concepts of Reading** (3)
Recognizes interrelationships of reading, writing, listening, and speaking. Shows how to plan instruction that reflects interrelated nature of these processes. Three hours of lecture per week. Formerly RDG 201.

RDG 302 **Reading Skills Development** (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. Focus on the curriculum in grades 4-8. Three hours of lecture per week.

RDG 401 **Diverse Populations** (3)
Presents the diverse populations of children in Texas schools and their educational needs through literature with emphasis on diversity. Content addresses special education laws and procedures. 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. Must 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** (2)
Emphasizes the commonly used techniques and tools for assessing students. Includes both formal and informal assessment measures. Two 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** (2)
Focuses on the characteristics of children with behavioral disorders and provides strategies to address these problems. Two 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** (2)
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. Two hours of lecture per week.
- SPED 410 **Individual Project - 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.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 EARLY CHILDHOOD-4 GENERALIST SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 121

CORE CURRICULUM* (STANDARD)	SPECIALTY (EARLY CHILDHOOD)	OTHER REQUIREMENTS
45 credits	42 credits	37 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	EDCI 346 (3)	CHEM 131, 111 (4)
MATH 133 (3)	EDCI 433 (3)	CHEM 132, 112 (4)
BIOL 121, 131 (5)	EDCI 434 (3)	GEOG 132 (3)
PHYS 141 (4)	EDCI 435 (3)	MATH 235 (3)
ENG 230 (3)	EDCI 478 (3)	MATH 236 (3)
MUSI 131 (3)	EDCI 479 (3)	SPED 309 (3)
HIST 231 (3)	Professional	SPED 370 (3)
HIST 232 (3)	Development:	RDG 301 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 302 (3)
POLS 232 (3)	EDCI 328 (3)	EDCI 340 (3)
PSY 131 (3)	EDCI 339 (3)	
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 491 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 124

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG)	OTHER REQUIREMENTS
45 credits	39 credits	40 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 231 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	CHEM 131, 111 (4)
BIOL 121, 131 (5)	RDG 302 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	RDG 401 (3)	SPED 309 (3)
ENG 230 (3)	RDG 402 (3)	SPED 370 (3)
MUSI 131 (3)	RDG 406 (3)	ENG 351 (3)
HIST 231 (3)	Professional	MATH 235 (3)
HIST 232 (3)	Development:	MATH 236 (3)
POLS 231 (3)	EDCI 310 (3)	ART 131 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 400 (3)
PSY 131 (3)	EDCI 339 (3)	EDCI 340 (3)
EDCI 210 (3)***	EDCI 350 (3)	EDCI 458 (3)
	EDCI 405 (3)	
	EDCI 450 (6)	

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING / SOCIAL STUDIES 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG/SS)	OTHER REQUIREMENTS
45 credits	42 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 351 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	GEOG 230 (3)
BIOL 121, 131(5)	RDG 302 (3)	GEOG 331 (3)
PHYS 141 (4)	RDG 400 (3)	GEOG 332 (3)
ENG 230 (3)	HIST 344 (3)	ART 131 (3)
MUSI 131 (3)	EDCI 329 (3)	RDG 402 (3)
HIST 231 (3)	Professional	CHEM 131, 111 (4)
HIST 232 (3)	Development:	CHEM 132, 112 (4)
POLS 231 (3)	EDCI 310 (3)	SPED 309 (3)
POLS 232 (3)	EDCI 328 (3)	SPED 370 (3)
PSY 131 (3)	EDCI 339 (3)	EDCI 340 (3)
EDCI 210 (3)	EDCI 350 (3)	MATH 235 (3)
	EDCI 405 (3)	MATH 236 (3)
	EDCI 450 (6)	
	EDCI 458 (3)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 SOCIAL STUDIES 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 127

CORE CURRICULUM* (STANDARD)	SPECIALTY (SOC. STU.)	OTHER REQUIREMENTS
45 credits	39 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	EDCI 329 (3)	GEOG 132 (3)
MATH 133 (3)	HIST 371 (3)	CHEM 131, 111 (4)
BIOL 121, 131 (5)	POLS 310 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	SOC 335 (3)	SPED 309 (3)
ENG 230 (3)	GEOG 331 (3)	SPED 370 (3)
MUS 131 (3)	SOC 157 (3)	EDCI 340 (3)
HIST 231 (3)	Professional	GEOG 332 (3)
HIST 232 (3)	Development:	HIST 451 (3)
POLS 231 (3)	EDCI 310 (3)	ECON 315 (3)
POLS 232 (3)	EDCI 328 (3)	MATH 235 (3)
PSY 131 (3)	EDCI 339 (3)	MATH 236 (3)
EDCI 210 (3)***	EDCI 350 (3)	RDG 402 (3)
	EDCI 405 (3)	RDG 400 (3)
	EDCI 450 (6)	

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS / SCIENCE 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH/SCIENCE)	OTHER REQUIREMENTS
45 credits	44 credits	41 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 335 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 431 (3)	EDCI 340 (3)
BIOL 121, 131(5)	MATH 473 (3)	EDCI 458 (3)
PHYS 141 (4)	BIOL 343 (3)	EDCI 402 (3)
ENG 230 (3)	CHEM 131, 111 (4)	SPED 309 (3)
ART 131 (3)	CHEM 132, 112 (4)	MATH 134 (3)
HIST 231 (3)	BIOL 347 (3)	MATH 235 (3)
HIST 232 (3)	Professional	MATH 236 (3)
POLS 231 (3)	Development:	MATH 473 (3)
POLS 232 (3)	EDCI 310 (3)	GEOL 141 (3)
PSY 131 (3)	EDCI 328 (3)	HED 340 (3)
EDCI 210 (3)***	EDCI 339 (3)	RDG 400 (3)
	EDCI 350 (3)	RDG 402 (3)
	EDCI 430 (3)	
	EDCI 450 (6)	

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH)	REQUIREMENTS OTHER
45 credits	42 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 330 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 134 (3)	EDCI 340 (3)
BIOL 121, 131 (5)	MATH 235 (3)	EDCI 458 (3)
PHYS 141 (4)	MATH 236 (3)	CHEM 131, 111 (4)
ENG 230 (3)	MATH 241 (3)	CHEM 132, 112 (4)
ART 131 (3)	MATH 242 (3)	MATH 331 (3)
HIST 231 (3)	Professional	MATH 335 (3)
HIST 232 (3)	Development:	MATH 431 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 433 (3)
POLS 232 (3)	EDCI 328 (3)	MATH 473 (3)
PSY 131 (3)	EDCI 339 (3)	RDG 400 (3)
EDCI 210 (3)***	EDCI 350 (3)	RDG 402 (3)
	EDCI 430 (3)	SPED 309 (3)
	EDCI 450 (6)	SPED 370 (3)

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

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

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 SCIENCE 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 128

CORE CURRICULUM* (STANDARD)	SPECIALTY (SCIENCE)	OTHER REQUIREMENTS
45 credits	44 credits	39 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	CHEM 131, 111 (4)	GEOG 132 (3)
MATH 133 (3)	CHEM 132, 112 (4)	SPED 309 (3)
BIOL 121, 131 (5)	BIOL 341 (3)	SPED 370 (3)
PHYS 141 (4)	BIOL 343 (3)	EDCI 340 (3)
ENG 230 (3)	BIOL 347 (3)	EDCI 458 (3)
ART 131 (3)	HED 340 (3)	EDCI 402 (3)
HIST 231 (3)	HED 436 (3)	MATH 235 (3)
HIST 232 (3)	Professional	MATH 236 (3)
POLS 231 (3)	Development:	RDG 400 (3)
POLS 232 (3)	EDCI 310 (3)	RDG 402 (3)
PSY 131 (3)	EDCI 328 (3)	CHEM 231/211 (4)
EDCI 210 (3)***	EDCI 339 (3)	BIOL 340 (3)
	EDCI 350 (3)	
	EDCI 430 (3)	
	EDCI 450 (6)	

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 EARLY CHILDHOOD-4 GENERALIST SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 121

CORE CURRICULUM* (STANDARD)	SPECIALTY (EARLY CHILDHOOD)	OTHER REQUIREMENTS
45 credits	42 credits	37 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	EDCI 346 (3)	CHEM 131, 111 (4)
MATH 133 (3)	EDCI 433 (3)	CHEM 132, 112 (4)
BIOL 121, 131 (5)	EDCI 434 (3)	GEOG 132 (3)
PHYS 141 (4)	EDCI 435 (3)	MATH 235 (3)
ENG 230 (3)	EDCI 478 (3)	MATH 236 (3)
MUSI 131 (3)	EDCI 479 (3)	SPED 309 (3)
HIST 231 (3)	Professional	SPED 370 (3)
HIST 232 (3)	Development:	RDG 301 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 302 (3)
POLS 232 (3)	EDCI 328 (3)	EDCI 340 (3)
PSY 131 (3)	EDCI 339 (3)	
EDCI 210 (3)***	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 491 (6)	

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 124

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG)	OTHER REQUIREMENTS
45 credits	39 credits	40 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 231 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	CHEM 131, 111 (4)
BIOL 121, 131 (5)	RDG 302 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	RDG 401 (3)	SPED 309 (3)
ENG 230 (3)	RDG 402 (3)	SPED 370 (3)
MUSI 131 (3)	RDG 406 (3)	ENG 351 (3)
HIST 231 (3)	Professional	MATH 235 (3)
HIST 232 (3)	Development:	MATH 236 (3)
POLS 231 (3)	EDCI 310 (3)	ART 131 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 400 (3)
PSY 131 (3)	EDCI 339 (3)	EDCI 340 (3)
EDCI 210 (3)***	EDCI 350 (3)	EDCI 458 (3)
	EDCI 405 (3)	
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

**CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING / SOCIAL STUDIES 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130**

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG/SS)	OTHER REQUIREMENTS
45 credits	42 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 351 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	GEOG 230 (3)
BIOL 121, 131(5)	RDG 302 (3)	GEOG 331 (3)
PHYS 141 (4)	RDG 400 (3)	GEOG 332 (3)
ENG 230 (3)	HIST 344 (3)	ART 131 (3)
MUSI 131 (3)	EDCI 329 (3)	RDG 402 (3)
HIST 231 (3)	Professional	CHEM 131, 111 (4)
HIST 232 (3)	Development:	CHEM 132, 112 (4)
POLS 231 (3)	EDCI 310 (3)	SPED 309 (3)
POLS 232 (3)	EDCI 328 (3)	SPED 370 (3)
PSY 131 (3)	EDCI 339 (3)	EDCI 340 (3)
EDCI 210 (3)	EDCI 350 (3)	MATH 235 (3)
	EDCI 405 (3)	MATH 236 (3)
	EDCI 450 (6)	
	EDCI 458 (3)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 SOCIAL STUDIES 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 127

CORE CURRICULUM* (STANDARD)	SPECIALTY (SOC. STU.)	OTHER REQUIREMENTS
45 credits	39 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	EDCI 329 (3)	GEOG 132 (3)
MATH 133 (3)	HIST 371 (3)	CHEM 131, 111 (4)
BIOL 121, 131 (5)	POLS 310 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	SOC 335 (3)	SPED 309 (3)
ENG 230 (3)	GEOG 331 (3)	SPED 370 (3)
MUS 131 (3)	SOC 157 (3)	EDCI 340 (3)
HIST 231 (3)	Professional	GEOG 332 (3)
HIST 232 (3)	Development:	HIST 451 (3)
POLS 231 (3)	EDCI 310 (3)	ECON 315 (3)
POLS 232 (3)	EDCI 328 (3)	MATH 235 (3)
PSY 131 (3)	EDCI 339 (3)	MATH 236 (3)
EDCI 210 (3)***	EDCI 350 (3)	RDG 402 (3)
	EDCI 405 (3)	RDG 400 (3)
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS / SCIENCE 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH/SCIENCE)	OTHER REQUIREMENTS
45 credits	44 credits	41 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 335 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 431 (3)	EDCI 340 (3)
BIOL 121, 131(5)	MATH 473 (3)	EDCI 458 (3)
PHYS 141 (4)	BIOL 343 (3)	EDCI 402 (3)
ENG 230 (3)	CHEM 131, 111 (4)	SPED 309 (3)
ART 131 (3)	CHEM 132, 112 (4)	MATH 134 (3)
HIST 231 (3)	BIOL 347 (3)	MATH 235 (3)
HIST 232 (3)	Professional	MATH 236 (3)
POLS 231 (3)	Development:	MATH 473 (3)
POLS 232 (3)	EDCI 310 (3)	GEOL 141 (3)
PSY 131 (3)	EDCI 328 (3)	HED 340 (3)
EDCI 210 (3)***	EDCI 339 (3)	RDG 400 (3)
	EDCI 350 (3)	RDG 402 (3)
	EDCI 430 (3)	
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 130

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH)	OTHER REQUIREMENTS
45 credits	42 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 330 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 134 (3)	EDCI 340 (3)
BIOL 121, 131 (5)	MATH 235 (3)	EDCI 458 (3)
PHYS 141 (4)	MATH 236 (3)	CHEM 131, 111 (4)
ENG 230 (3)	MATH 241 (3)	CHEM 132, 112 (4)
ART 131 (3)	MATH 242 (3)	MATH 331 (3)
HIST 231 (3)	Professional	MATH 335 (3)
HIST 232 (3)	Development:	MATH 431 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 433 (3)
POLS 232 (3)	EDCI 328 (3)	MATH 473 (3)
PSY 131 (3)	EDCI 339 (3)	RDG 400 (3)
EDCI 210 (3)***	EDCI 350 (3)	RDG 402 (3)
	EDCI 430 (3)	SPED 309 (3)
	EDCI 450 (6)	SPED 370 (3)

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

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

CURRICULUM SUMMARY FOR
 BACHELOR OF ARTS DEGREE IN INTERDISCIPLINARY STUDIES
 SCIENCE 4-8 SPECIALTY TRACK
 OPTION I
 TOTAL CREDITS REQUIRED: 128

CORE CURRICULUM* (STANDARD)	SPECIALTY (SCIENCE)	OTHER REQUIREMENTS
45 credits	44 credits	39 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	CHEM 131, 111 (4)	GEOG 132 (3)
MATH 133 (3)	CHEM 132, 112 (4)	SPED 309 (3)
BIOL 121, 131 (5)	BIOL 341 (3)	SPED 370 (3)
PHYS 141 (4)	BIOL 343 (3)	EDCI 340 (3)
ENG 230 (3)	BIOL 347 (3)	EDCI 458 (3)
ART 131 (3)	HED 340 (3)	EDCI 402 (3)
HIST 231 (3)	HED 436 (3)	MATH 235 (3)
HIST 232 (3)	Professional	MATH 236 (3)
POLS 231 (3)	Development:	RDG 400 (3)
POLS 232 (3)	EDCI 310 (3)	RDG 402 (3)
PSY 131 (3)	EDCI 328 (3)	CHEM 231/211 (4)
EDCI 210 (3)***	EDCI 339 (3)	BIOL 340 (3)
	EDCI 350 (3)	
	EDCI 430 (3)	
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 EC-4 BILINGUAL GENERALIST SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 135

CORE CURRICULUM* (STANDARD)	SPECIALTY (BILINGUAL ED)	OTHER REQUIREMENTS
44 credits	45 credits	46 credits
ENG 131 (3)**	Relative to	
ENG 132 (3)	Specialty:	EDCI 312 (3)
SC 135 or 136 (3)	EDCI 431 (3)	SPAN 131 (3)
MATH 133 (3)	EDCI 432 (3)	SPAN 132 (3)
BIOL 143 (4)	EDCI 436 (3)	SPAN 231 (3)
PHYS 141 (4)	EDCI 456 (3)	SPAN 232 (3)
ENG 230 (3)	EDCI 457 (3)	MATH 235 (3)
MUSI 131 (3)	EDCI 435 (3)	MATH 236 (3)
HIST 231 (3)	Professional	CHEM 131, 111 (4)
HIST 232 (3)	Development:	CHEM 132, 112 (4)
POLS 231 (3)	EDCI 310 (3)	PE 1xx (1)
POLS 232 (3)	EDCI 328 (3)	RDG 301 (3)
PSY 131 (3)	EDCI 339 (3)	RDG 302 (3)
EDCI 210 (3)***	EDCI 350 (3)	RDG 401 (3)
	EDCI 458 (3)	GEOG 132 (3)
	SPED 309 (3)	EDCI 340 (3)
	SPED 370 (3)	SOC 211 (1)
	EDCI 466 ()	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 4-8 BILINGUAL GENERALIST SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 135

CORE CURRICULUM* (STANDARD)	SPECIALTY (BILINGUAL ED)	OTHER REQUIREMENTS
44 credits	45 credits	46 credits
ENG 131 (3)**	Relative to	EDCI 347 (3)
ENG 132 (3)	Specialty:	EDCI 312 (3)
SC 135 or 136 (3)	EDCI 431 (3)	SPAN 131 (3)
MATH 133 (3)	EDCI 432 (3)	SPAN 132 (3)
BIOL 143 (4)	EDCI 436 (3)	SPAN 231 (3)
PHYS 141 (4)	EDCI 455 (3)	SPAN 232 (3)
ENG 230 (3)	EDCI 456 (3)	MATH 235 (3)
MUSI 131 (3)	EDCI 457 (0)	MATH 236 (3)
HIST 231 (3)	Professional	CHEM 131, 111 (4)
HIST 232 (3)	Development:	CHEM 132, 112 (4)
POLS 231 (3)	EDCI 310 (3)	PE 1xx (1)
POLS 232 (3)	EDCI 328 (3)	RDG 400 (3)
PSY 131 (3)	EDCI 339 (3)	RDG 401 (3)
EDCI 210 (3)***	EDCI 350 (3)	GEOG 132 (3)
	EDCI 458 (3)	EDCI 340 (3)
	SPED 309 (3)	SOC 211 (1)
	SPED 370 (3)	
	EDCI 466 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 EARLY CHILDHOOD-4 GENERALIST SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 135

CORE CURRICULUM* (STANDARD)	SPECIALTY (EARLY CHILDHOOD)	OTHER REQUIREMENTS
44 credits	42 credits	49 credits
ENG 131 (3)**	Relative to	SOC 211 (1)
ENG 132 (3)	Specialty:	EDCI 444 (3)
SC 135 or 136 (3)	EDCI 346 (3)	SPAN 131 (3)
MATH 133 (3)	EDCI 433 (3)	SPAN 132 (3)
BIOL 143 (4)	EDCI 434 (3)	SPAN 231 (3)
PHYS 141 (4)	EDCI 435 (3)	SPAN 232 (3)
ENG 230 (3)	EDCI 478 (3)	CHEM 131, 111 (4)
MUSI 131 (3)	EDCI 479 (3)	CHEM 132 (4)
HIST 231 (3)	Professional	GEOG 132 (3)
HIST 232 (3)	Development:	MATH 235 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 236 (3)
POLS 232 (3)	EDCI 328 (3)	PE 1xx (1)
PSY 131 (3)	EDCI 339 (3)	SPED 309 (3)
EDCI 210 (3)***	EDCI 350 (3)	SPED 370 (3)
	EDCI 405 (3)	RDG 301 (3)
	EDCI 430 (3)	RDG 302 (3)
	EDCI 491 (6)	EDCI 340 (3)

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING 4-8 SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 129

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG)	OTHER REQUIREMENTS
44 credits	39 credits	49 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 231 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	CHEM 131, 111 (4)
BIOL 143L (4)	RDG 302 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	RDG 401 (3)	SPED 309 (3)
ENG 230 (3)	RDG 402 (3)	SPED 370 (3)
MUSI 131 (3)	RDG 406 (3)	ENG 351 (3)
HIST 231 (3)	Professional	MATH 235 (3)
HIST 232 (3)	Development:	MATH 236 (3)
POLS 231 (3)	EDCI 310 (3)	RDG 400 (3)
POLS 232 (3)	EDCI 328 (3)	EDCI 340 (3)
PSY 131 (3)	EDCI 339 (3)	SPAN 131 (3)
EDCI 210 (3)***	EDCI 350 (3)	SPAN 132 (3)
	EDCI 405 (3)	SPAN 231 (3)
	EDCI 450 (6)	SPAN 232 (3)

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

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

*** Equivalent to CS 116.

**CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 ENGLISH LANG. ARTS AND READING / SOCIAL STUDIES 4-8 SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 138**

CORE CURRICULUM* (STANDARD)	SPECIALTY (ELA/RDG/SS)	OTHER REQUIREMENTS
44 credits	39 credits	52 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	ENG 351 (3)	GEOG 132 (3)
MATH 133 (3)	RDG 301 (3)	GEOG 230 (3)
BIOL 143 (4)	RDG 302 (3)	GEOG 331 (3)
PHYS 141 (4)	RDG 400 (3)	GEOG 332 (3)
ENG 230 (3)	HIST 344 (3)	RDG 401 (3)
MUSI 131 (3)	EDCI 329 (3)	RDG 402 (3)
HIST 231 (3)	Professional	CHEM 131, 111 (4)
HIST 232 (3)	Development:	CHEM 132, 112 (4)
POLS 231 (3)	EDCI 310 (3)	SPED 309 (3)
POLS 232 (3)	EDCI 328 (3)	SPED 370 (3)
PSY 131 (3)	EDCI 339 (3)	EDCI 340 (3)
EDCI 210 (3)	EDCI 350 (3)	MATH 235 (3)
	EDCI 405 (3)	MATH 236 (3)
	EDCI 450 (6)	SPAN 131 (3)
		SPAN 132 (3)
		SPAN 231 (3)
		SPAN 232 (3)

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

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

*** Equivalent to CS 116.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
SOCIAL STUDIES 4-8 SPECIALTY TRACK
OPTION II
TOTAL CREDITS REQUIRED: 138**

CORE CURRICULUM* (STANDARD)	SPECIALTY (SOC. STU.)	OTHER REQUIREMENTS
44 credits	42 credits	52 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	EDCI 329 (3)	GEOG 132 (3)
MATH 133 (3)	HIST 371 (3)	CHEM 131, 111 (4)
BIOL 143 (4)	HIST 349 (3)	CHEM 132, 112 (4)
PHYS 141 (4)	RDG 400 (3)	SPED 309 (3)
ENG 230 (3)	GEOG 331 (3)	SPED 370 (3)
MUSI 131 (3)	SOC 337 (3)	EDCI 340 (3)
HIST 231 (3)	Professional	GEOG 332 (3)
HIST 232 (3)	Development:	HIST 351 (3)
POLS 231 (3)	EDCI 310 (3)	HIST 479 (3)
POLS 232 (3)	EDCI 328 (3)	SOC 335 (3)
PSY 131 (3)	EDCI 339 (3)	MATH 235 (3)
EDCI 210 (3)***	EDCI 350 (3)	MATH 236 (3)
	EDCI 405 (3)	SPAN 131 (3)
	EDCI 450 (6)	SPAN 132 (3)
		SPAN 231 (3)
		SPAN 232 (3)

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS / SCIENCE 4-8 SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 138

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH/SCIENCE)	OTHER REQUIREMENTS
44 credits	47 credits	47 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 235 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 236 (3)	EDCI 340 (3)
BIOL 143 (4)	MATH 241 (3)	EDCI 458 (3)
PHYS 141 (4)	MATH 242 (3)	EDCI 402 (3)
ENG 230 (3)	CHEM 131, 111 (4)	BIOL 343 (3)
ART 131 (3)	CHEM 132, 112 (4)	MATH 335 (3)
HIST 231 (3)	BIOL 347 (3)	MATH 433 (3)
HIST 232 (3)	Professional	MATH 473 (3)
POLS 231 (3)	Development:	HED 340 (3)
POLS 232 (3)	EDCI 310 (3)	RDG 400 (3)
PSY 131 (3)	EDCI 328 (3)	RDG 401 (3)
EDCI 210 (3)***	EDCI 339 (3)	SPAN 131 (3)
	EDCI 350 (3)	SPAN 132 (3)
	EDCI 405 (3)	SPAN 231 (3)
	EDCI 430 (3)	SPAN 232 (3)
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 MATHEMATICS 4-8 SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 135

CORE CURRICULUM* (STANDARD)	SPECIALTY (MATH)	OTHER REQUIREMENTS
44 credits	42 credits	49 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	MATH 330 (3)	GEOG 132 (3)
MATH 133 (3)	MATH 134 (3)	EDCI 340 (3)
BIOL 143 (4)	MATH 235 (3)	CHEM 131, 111 (4)
PHYS 141 (4)	MATH 236 (3)	CHEM 132, 112 (4)
ENG 230 (3)	MATH 241 (3)	MATH 431 (3)
ART 131 (3)	MATH 242 (3)	MATH 331 (3)
HIST 231 (3)	Professional	MATH 433 (3)
HIST 232 (3)	Development:	MATH 473 (3)
POLS 231 (3)	EDCI 310 (3)	MATH 314 (3)
POLS 232 (3)	EDCI 328 (3)	RDG 400 (3)
PSY 131 (3)	EDCI 339 (3)	RDG 401 (3)
EDCI 210 (3)***	EDCI 350 (3)	SPAN 131 (3)
	SPED 309 (3)	SPAN 132 (3)
	EDCI 430 (3)	SPAN 231 (3)
	EDCI 450 (6)	SPAN 232 (3)

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

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

*** Equivalent to CS 116.

CURRICULUM SUMMARY FOR
 BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
 SCIENCE 4-8 SPECIALTY TRACK
 OPTION II
 TOTAL CREDITS REQUIRED: 136

CORE CURRICULUM* (STANDARD)	SPECIALTY (SCIENCE)	OTHER REQUIREMENTS
44 credits	45 credits	47 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	CHEM 131, 111 (4)	GEOG 132 (3)
MATH 133 (3)	CHEM 132, 112 (4)	ENG 231 (3)
BIOL 143 (4)	BIOL 341 (3)	ENG 301 (3)
PHYS 141 (4)	BIOL 343 (3)	EDCI 340 (3)
ENG 230 (3)	BIOL 347 (3)	BIOL 340 (3)
ART 131 (3)	HED 340 (3)	EDCI 402 (3)
HIST 231 (3)	HED 436 (3)	MATH 235 (3)
HIST 232 (3)	Professional	MATH 236 (3)
POLS 231 (3)	Development:	RDG 400 (3)
POLS 232 (3)	EDCI 310 (3)	RDG 401 (3)
PSY 131 (3)	EDCI 328 (3)	SPAN 131 (3)
EDCI 210 (3)***	EDCI 339 (3)	SPAN 132 (3)
	EDCI 350 (3)	SPAN 231 (3)
	EDCI 430 (3)	SPAN 232 (3)
	SPED 309 (3)	SCI (Any 300 level course) (3)
	EDCI 450 (6)	

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

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

*** Equivalent to CS 116.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
ALL LEVEL SPECIAL EDUCATION SPECIALTY TRACK
OPTION II
TOTAL CREDITS REQUIRED: 133**

CORE CURRICULUM* (STANDARD)	SPECIALTY (SPEC. EDUCATION)	OTHER REQUIREMENTS
44 credits	46 credits	43 credits
ENG 131 (3)**	Relative to	PE 1xx (1)
ENG 132 (3)	Specialty:	SOC 211 (1)
SC 135 or 136 (3)	SPED 309 (3)	EDCI 340 (3)
MATH 133 (3)	SPED 370 (3)	MATH 235 (3)
BIOL 143 (4)	SPED 401 (3)	MATH 236 (3)
PHYS 141 (4)	SPED 402 (2)	RDG 301 (3)
ENG 230 (3)	SPED 403 (3)	RDG 302 (3)
ART 131 (3)	SPED 404 (2)	SPAN 131 (3)
HIST 231 (3)	SPED 405 (3)	SPAN 132 (3)
HIST 232 (3)	SPED 406 (3)	SPAN 231 (3)
POLS 231 (3)	Professional	SPAN 232 (3)
POLS 232 (3)	Development:	ENG 351 (3)
PSY 131 (3)	EDCI 310 (3)	EDCI 432 (3)
EDCI 210 (3)***	EDCI 328 (3)	CHEM 131, 111 (4)
	EDCI 339 (3)	CHEM 132, 112 (4)
	EDCI 350 (3)	
	EDCI 405 (3)	
	EDCI 430 (3)	
	EDCI 463 (6)	

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

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

*** Equivalent to CS 116.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES
FOR ALL SPECIALTY TRACKS
BY LEVEL AND SEQUENCE**

Freshman

First Semester

SC 135 or 136 (Speech), 3 cr
 ENG 131 (Freshman English I), 3 cr
 HIST 231 (Soc Pol Hist of US to 1877), 3 cr
 SPAN 131 (Elem. Spanish I), 3 cr
 BIOL 143, 143L (Survey of Life Science), 4 cr
 MUSI 131 (Intro to Music), 3 cr

Second Semester

ENG 132 (Freshman English II), 3 cr
 HIST 232 (Soc Pol Hist of US to present), 3 cr
 MATH 133 (College Algebra), 3 cr
 PHYS 141 (Principles of Physical Science), 4 cr
 SPAN 132 (Elem. Spanish II), 3 cr
 SOC 211 (Social Adjustment to College), 1 cr
 PE 1xx (any 100 level course) 1 cr

Sophomore

First Semester

EDCI 210 (Instructional Technology I), 3 cr
 ENG 230 (World Literature I), 3 cr
 POLS 231 (American Political Systems I), 3 cr
 MATH 235 (Struct & App of Num Sys), 3 cr
 CHEM 131, 111 (Gen. Chem I and Lab) 4 cr
 SPAN 231 (Intermediate Span. I), 3 cr

Second Semester

HIST 232 (Social & Political History of U.S. since 1877), 3 cr
 MATH 236 (Basic Concepts of Mathematics II), 3 cr
 POLS 232 (American Political Systems II), 3 cr
 CHEM 132, 112 (Gen. Chem. II and Lab), 4 cr
 SPAN 232 (Intermediate Span. II), 3 cr

Junior

First Semester

EDCI 310 (Principles & Foundations of Education), 3 cr
 EDCI 328 (Psychology of Learning, Growth, & Development), 3 cr
 SPED 309 (Survey of Exceptional Education I), 3 cr
 Specialty Track Courses approved by Advisor

Second Semester

EDCI 339 (Classroom Management), 3 cr
 EDCI 350 (Instructional Strategies), 3 cr
 Specialty Track Courses approved by Advisor

Senior

First Semester

EDCI 405 (Integrated LA/FA/SS), 3 cr
 EDCI 430 (Integrated Sci/Math/Heath) 3 cr
 Specialty Track Courses approved by Advisor

Second Semester

EDCI 450 or 491 (Dir. Student Teaching), 6 cr
 Specialty Track Courses approved by Advisor

DEPARTMENT OF HEALTH AND KINESIOLOGY

The Department of Health and Kinesiology offers courses in Health (HED), courses in Human Performance (PE), two undergraduate degrees, and two graduate degrees. The Bachelor of Science (B.S.) in Health and the Bachelor of Science (B.S.) in Human Performance are offered at the undergraduate level; the Master of Science (M.S.) in Health and the Master of Science (M.S.) in Human Performance are offered at the graduate level. The Department also offers two minors, one in Health and one in Human Performance, for students pursuing undergraduate degrees in other instructional units at the University. Students may also earn Teacher Certification for the state of Texas in either Health or Human Performance through the Teacher Preparation Program in the College of Education in conjunction with the two undergraduate degrees offered. Members of the Department and departmental 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 the Master of Science in 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 or the B.S. in Human Performance, there are several tracks of study, two tracks for the B.S. in Health and three tracks for the B.S. in Human Performance. **Completion of the B.S. in Human Performance - All Teaching Levels (Track I), and the B.S. in Human Performance - Athletic Training/All Teaching Levels (Track II), require the matriculating students to be admitted to the Teacher Preparation Program in the College of Education. Completion of the B.S. in Human Performance - Athletic Training/Non-Teaching (Track III) requires an externship. Both Track II and Track III also require a mandatory 1800 clock hour internship working under a certified/licensed athletic trainer and the matriculating student will be prepared to sit for the licensure examination administered by The Advisory Board of Athletic Trainers for the State of Texas.**

Requirements for the B.S. in Health, the B.S. in Human Performance, and the two minors (Health and Human Performance) are summarized below. Interested students must first be admitted to the University, must satisfy ASSET requirements, must eradicate deficiencies assessed at the time of admission through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Students are admitted after review by a departmental committee; and, once admitted, they are assigned an official advisor who should be consulted on a semesterly or term basis and who will guide students in need of being admitted to the Teacher Preparation Program in that process. The advisor will also advise students with regard to their status for graduation as they enter and complete their senior year. **All requirements for the Teacher Preparation Program must be met (consult previous section of this document under the College of Education), and students must have an overall GPA of 2.75 or better to graduate. Courses designated as major courses must be completed with grades of "C" or better, where grades of "C-" are unacceptable; and grade restrictions referenced for the Teacher Preparation Program must also be adhered to. Prior to graduation, a comprehensive departmental exit examination is administered to seniors. After the completion of a diagnostic sophomore year and 13 required hours of P.E. (111, 112, 211, 212, 127, 233, 235), the department exit test will be administered in P.E. 302.**

For the minor in Health, 21 semester credit hours are required through enrollment in the following courses: 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). PE 102 (1 credit) and BIOL 245 (4 credits) are cognate courses that must also be completed in conjunction with the 21 credits. Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all classes making up the 21 credits and in the two cognate courses.

For the minor in Human Performance, 21 semester credit hours are required through enrollment in the following courses in the Department: PE 127 (3 credits), PE 211 (1 credit), PE 212 (1 credit), PE 235 (3 credits), PE 302 (3 credits), PE 324 (2 credits), PE 327 (2 credits), PE 336 (3 credits), and PE 437 (3 credits). In addition, BIOL 245 (4 credits) and HED 333 (3 credits) must be completed as cognate courses along with the 21 credits specified. As is the case for the Health minor, grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all classes making up the 21 credits and in the cognate courses needed for the Human Performance minor.

Students who need to earn Teacher Certification in a second (supporting) teaching field may earn this additional certification in either Health or Human Performance through the Department. All requirements for the Teacher Preparation Program, including grade requirements, must be met in seeking these additional certifications.

For the supporting certification in Health, 24 semester credit hours are required in the Department through enrollment in the following three-credit courses: HED 234, HED 333, HED 340, HED 432, HED 433, HED 436, HED 471, and HED 477. **The cognate courses of BIOL 245 and HED 399 are also required.**

For the supporting certification in Human Performance, 24 semester credit hours are required in the Department through enrollment in the following three-credit courses: PE 127, PE 233, PE 337, PE 338, PE 339, PE 378, PE 437, and one additional upper-level PE course. **The cognate courses of BIOL 245 and HED 333 are also required.**

Students wishing to pursue either a minor or certification in a second teaching field offered, just as those pursuing majors, must also petition the Department for admission. All students who enroll in Human Performance (PE) activity courses must purchase and wear a required uniform for activities.

Degree requirements are summarized below for the B.S. in Health and the B.S. in Human Performance; however, students admitted to the Department who pursue these degrees must seek advisement regularly from their assigned faculty advisor because of the frequency with which certification requirements change as dictated by the state of Texas.

In summary, students must gain admission to the University; must meet ASSET responsibility; must petition the Department for admission; and must qualify for the Teacher Preparation Program if their degree requirements lead to Teacher Certification. Requirements for the Teacher Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department Office at (713)-313-7087.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Duncan, Clyde Instructor B.S., M.S., Texas Southern University</p>	<p>Osueke, Samuel Associate Professor B.S., University of Ife, Nigeria M.S., Texas Southern University Dr.P.H., University of Texas at Houston</p>
<p>Harvey, John Instructor B.S., Wiley College M.S., Prairie View A & M University</p>	<p>Owlia, G. Assistant Professor B.S., University of Iran Isfahan M.S., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Holden, Rickey Instructor B.A., M.S., Texas Southern University</p>	<p>Robins, Thurman Professor B.S., Southern University M.S., Texas Southern University Ed.D., University of Houston</p>
<p>Horton, Marie Associate Professor B.S., Dillard University M.S., Texas Woman's University Ed.D., Texas Southern University</p>	<p>Thomas, William Instructor B.S., M.S., Tennessee State University</p>
<p>Hurst, Jesse Assistant Professor B.S., Oklahoma State University M.S., Prairie View A & M University Ed.D., Texas Southern University</p>	<p>White, Calvin Associate Professor B.S., M.S., Prairie View A & M University Ed.D., East Texas State University</p>
<p>Moreland, Robert Assistant Professor B.S., Tugaloo College M.S., Indiana University</p>	

HEALTH COURSES

- HED 223 **Basic CPR** (2)
Basic concepts in cardiopulmonary resuscitation; certification in basic cardiac life support. One hour of lecture and two hours of laboratory per week.
- HED 233 **History and Principles of Health** (2)
Discussion of the historical and philosophical development of health. Consideration given to those illnesses and health hazards of major significance and concern in contemporary society. Two hours of lecture per week.
- HED 234 **History and Biological Function** (3)
Organizational components of the human body; types of diseases; biological defense mechanisms; healing processes; and human biological growth and development. Three hours of lecture per week.
- HED 333 **Emergency and Care of Injuries** (3)
Reinforcement of first aid and emergency care principles and concepts in challenging and motivational presentations. Three hours of lecture per week.
- HED 335 **Problems in Community Health** (3)
In-depth study of contemporary community health problems encountered in an area of diverse ethnicity and mobility. Emphasis on the biological, psychological, and socioeconomic factors that impact disease and levels of wellness. Three hours of lecture per week.
- HED 336 **Organization and Administration of Health Programs** (3)
Analysis of the organizational structure, administrative policies, and management styles of official and non-official agencies at the local, state, and national levels. Three hours of lecture per week.
- HED 338 **Sexually Transmitted Diseases** (3)
Overview of causes, cures, and prevention of sexually transmitted diseases, including socio-economic variables. Three hours of lecture per week. **Offered as needed.**
- HED 339 **Diseases and Consumer Health** (3)
Factual, scientifically-based information about diseases, medical goods, and services with an analysis of issues and strategies undertaken by consumers and providers that bring about changes in health systems and society. Three hours of lecture per week.
- HED 340 **Environmental and Public Health** (3)
Identification of environmental health hazards associated with the home and workplace along with consideration of human environment interactions in modern society. Three hours of lecture per week.
- HED 399 **Health Seminar** (2)
Discussion of topics of current relevance with the main focus on local health problems. Presentation of outstanding speakers in the areas of school and community health. Two hours of lecture per week.
- HED 432 **Fitness for Living** (3)
Considers the influence of exercise, rest, fitness, and lifelong activity in prevention of behavior-related problems and the benefits of health and wellness promotion activities. Three hours of lecture per week.
- 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.

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.	
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 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 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 Material	(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.	
HED 472	Foundations of Safety	(3)
	Study of the basic assumptions which 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.	
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.	
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.	

HUMAN PERFORMANCE COURSES

The following Human Performance courses, with the exception of PE 111 and PE 112, may be used to satisfy "Other Requirements" in the various undergraduate degree plans referenced in other departments at the University :

PE 100	Water Aerobics	(1)
	Aerobic activities conducted in water. Two hours of laboratory per week.	
PE 101	Bowling	(1)
	Study and practice of the basic techniques, scoring, and history of bowling. Two hours of laboratory per week.	

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.	(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 (DANC 1145) 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 (DANC 1146) Continuation of PE 108. Two hours of laboratory per week. Prerequisite: PE 108. 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.	(1)
PE 112	Team Sports II Theory, rules, and practice of basketball, field hockey, and softball. Three hours of laboratory per week.	(1)
PE 113	Speedball and Soccer Advanced techniques and skills for speedball and soccer. Two hours of laboratory per week. Offered as needed.	(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 Track Theory and practice in touch/flag football and track 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. Physician's statement required. Two hours of laboratory per week.	(1)
PE 121	Adapted Activities II Continuation of PE 120. Two hours of laboratory per week. Prerequisite: PE 120.	(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)

The following courses do not satisfy "Other Requirements" for the various undergraduate degrees in other departments, but are intended for Human Performance majors and minors:

PE 123	Football and Basketball Lectures, demonstrations, and practice in advanced skills of football and basketball. Two hours of lecture per week. Offered as needed.	(2)
PE 124	Baseball and Track Lectures, demonstrations, and practice in advanced skills of baseball and track. Two hours of lecture per week. Offered as needed.	(2)
PE 127	Foundations I Basic foundations in human performance, including historical development, philosophical implication, and issues related to movement. Three hours of lecture per week.	(3)
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.	(1)
PE 211	Individual/Dual Sports and Activities I Theory, rules, and practice of archery, bowling, dance, weight training, and gymnastics/tumbling. Three hours of laboratory per week.	(1)
PE 212	Individual/Dual Sports and Activities II Theory, rules, and practice of track and field, swimming, badminton, wrestling, tennis, golf, and cycling. Three hours of laboratory per week.	(1)
PE 233	Foundations II 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.	(3)
PE 235	Introduction to Adapted Physical Education 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.	(3)

PE 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.
PE 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.
PE 327	Advanced Gymnastics (2) Theory and practice in performing pyramid building, stunts, and apparatus activities. Two hours of lecture per week.
PE 329	Theory and Practice of Coaching and Officiating (2) Theory, practice, rules, mechanics, and strategy of coaching and officiating various sports activities. Two hours of laboratory per week.
PE 331	Performance Practicum (3) Techniques and theories of sports activities and their applications to practical situations. Three hours of lecture per week.
PE 332	Coaching and Officiating Sports Activities for Secondary Schools (3) Study of coaching strategies, techniques, and theories of selected sports activities in secondary schools. Three hours of lecture per week.
PE 333	Coaching and Officiating of Football and Basketball (3) Study of theory, strategy, and mechanics of coaching football and basketball. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
PE 334	Coaching and Officiating of Baseball and Track (3) Study of theory, strategy, and mechanics of coaching baseball and track. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
PE 335	Administration of Intramural Sports (3) Techniques for organizing, directing, and supervising intramural programs of sports activities. Three hours of lecture per week.
PE 336	Organization and Administration of Physical Education (3) Emphasis on the organization and administration of physical education programs in elementary and secondary schools. Three hours of lecture per week.
PE 337	Movement Skill Development at the Elementary Level - The P.E. Programs in the Elementary School (3) Principles of and activities for movement education and sports related skills at the elementary school level. Three hours of lecture per week.
PE 338	Principles and Techniques for Outdoor and Leisure Activities (3) Discussion of techniques and skills required for outdoor and leisure activities. Three hours of lecture per week.
PE 339	Advanced Techniques, Skills, and Rules for Sports Activities - Fundamentals of Movement (3) Techniques, skills, and rules of sports activities. Three hours of lecture per week.
PE 370	Athletic Training I (3) Determination of and management study of athletic injuries. Two hours of lecture and one hour of laboratory per week.

PE 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.	(3)
PE 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)
PE 374	Sociology of Sports Sports and their impact on American society; social organization from play to professional sports; violence; discrimination; women in sports; socialization implications from participation in sports. Three hours of lecture per week.	(3)
PE 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)
PE 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)
PE 399	Physical Education Seminar Issues and applications of organizational and administrative principles of physical education. Two hours of lecture per week.	(2)
PE 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 levels. Three hours of lecture per week.	(3)
PE 433	Current Problems in Physical Education Study of selected current problems and trends in physical education. Three hours of lecture per week. Offered as needed.	(3)
PE 434	Administration of Athletics Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. Offered as needed.	(3)
PE 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.	(3)
PE 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.	(3)
PE 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. Prerequisites: BIOL 245 and PE 437.	(3)
PE 439	Independent Study Research and/or field work on selected projects or topics. Prerequisite: Consent of Faculty Advisor or Faculty Chair.	(3)

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HEALTH
TRACK I (SECONDARY TEACHING)
TOTAL CREDITS REQUIRED: 138**

CORE CURRICULUM (STANDARD)*	MAJOR (HEALTH-I)	PROFESSIONAL DEVELOPMENT	SUPPORTING FIELD
44 credits	46 credits	24 credits	24 credits
ENG 131 (3)**	HED 233 (2)	EDCI 310 (3)	Contact
ENG 132 (3)	HED 234 (3)	EDCI 328 (3)	Faculty Advisor
SC 135 or 136 (3)	HED 333 (3)	EDCI 339 (3)	For
MATH 133 (3)	HED 335 (3)	EDCI 350 (3)	advisement
BIOL 143 (4)	HED 336 (3)	EDCI 464 (6)	
PHYS 141 or	HED 339 (3)	RDG 400 (3)	
GEOL 141 (4)	HED 340 (3)	RDG 402 (3)	
ENG 235 (3)	HED 399 (2)		
Visual &	HED 432 (3)		
Performing	HED 433 (3)		
Arts (3)***	HED 434 (3)		
HIST 231 (3)	HED 436 (3)		
HIST 232 (3)	HED 471 (3)		
POLS 231 (3)	HED 477 (3)		
POLS 232 (3)	Cognate		
PSY 131 (3)	Courses:		
CS 116 (3)	PE 102 (1)		
	PE 122 (1)		
	BIOL 245 (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.

*** Select one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HEALTH
TRACK I (SECONDARY TEACHING)
BY LEVEL AND SEQUENCE**

Freshman

First Semester

PE 102 (Physical Fitness), 1 cr

Second Semester

PE 122 (Aerobic Activities), 1 cr

HED 233 (History and Principles of Health), 2 cr

Sophomore

First Semester

HED 234 (History and Biological Function), 3 cr

BIOL 245 (Human Anatomy and Physiology), 4 cr

Second Semester

HED 333 (Emergency and Care of Injuries), 3 cr

Junior

First Semester

HED 335 (Problems in Community Health), 3 cr

HED 336 (Organization & Administration of Health Programs), 3 cr

HED 339 (Diseases and Consumer Health), 3 cr

Second Semester

HED 340 (Environmental and Public Health), 3 cr

HED 432 (Fitness for Living), 3 cr

HED 436 (Hygiene of the School Child), 3 cr, **if needed**

HED 477 (Human Sexuality), 3 cr

Senior

First Semester

HED 399 (Health Seminar), 2 cr

HED 433 (Personal Health and Safety I), 3 cr

HED 434 (Mental Hygiene), 3 cr

Second Semester

HED 471 (Personal Health and Safety II), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HEALTH
TRACK II (NON-TEACHING)
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM* (STANDARD)	MAJOR (HEALTH-II)	MINOR REQUIREMENTS
44 credits	60 credits	21 credits
ENG 131 (3)**	HED 223 (2)	Contact department
ENG 132 (3)	HED 233 (2)	of choice once
SC 135 or 136 (3)	HED 234 (3)	admitted as a
MATH 133 (3)	HED 333 (3)	major and after
BIOL 143 (4)	HED 335 (3)	consulting with
PHYS 141 or	HED 339 (3)	Faculty Advisor.
GEOL 141 (4)	HED 340 (3)	
ENG 235 (3)	HED 399 (2)	
Visual &	HED 432 (3)	
Performing	HED 433 (3)	
Arts (3) ***	HED 434 (3)	
HIST 231 (3)	HED 471 (3)	
HIST 232 (3)	HED 472 (3)	
POLS 231 (3)	HED 477 (3)	
POLS 232 (3)	HED 499 (6)	
Social &	Cognate	
Behavioral	Courses:	
Sciences (3) ****	PE 102 (1)	
CS 116 (3)	PE 122 (1)	
	PE 437 or 438 (3)	
	BIOL 245, 245L (4)	
	plus	
	6 elective credits approved	
	by the major advisor	

*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.

**** Select one of the following: PSY 131; SOC 157, 158, or 238; ECON 231 or 232; or GEOG 132.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HEALTH
TRACK II (NON-TEACHING)
BY LEVEL AND SEQUENCE**

Freshman

First Semester

PE 102 (Physical Fitness), 1 cr

Second Semester

PE 122 (Aerobic Activities), 1 cr

HED 233 (History and Principles of Health), 2 cr

Sophomore

First Semester

HED 234 (History and Biological Function), 3 cr

BIOL 245 (Human Anatomy and Physiology), 4 cr

Second Semester

HED 223 (Basic CPR), 2 cr

HED 333 (Emergency and Care of Injuries), 3 cr

Junior

First Semester

HED 335 (Problems in Community Health), 3 cr

HED 339 (Diseases and Consumer Health), 3 cr

HED 399 (Health Seminar), 2 cr

PE 437 (Kinesiology), 3 cr

Second Semester

HED 340 (Environmental and Public Health), 3 cr

HED 432 (Fitness for Living), 3 cr

HED 436 (Hygiene of the School Child), 3 cr, **if needed**

HED 472 (Foundations of Safety), 3 cr

HED 477 (Human Sexuality), 3 cr

Senior

First Semester

HED 433 (Personal Health and Safety I), 3 cr

HED 434 (Mental Hygiene), 3 cr

Second Semester

HED 471 (Personal Health and Safety II), 3 cr

HED 499 (Supervised Individual Work/Research in Community Health), 6 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE ^^
TRACK I (ALL LEVELS TEACHING)
TOTAL CREDITS REQUIRED: 133**

CORE CURRICULUM* (STANDARD)	MAJOR (HUMAN PERFM-I)	PROFESSIONAL DEVELOPMENT
44 credits	59 credits	24 credits
ENG 131 (3)**	PE 127 (3)	EDCI 310 (3)
ENG 132 (3)	PE 211 (1)	EDCI 328 (3)
SC 135 or 136 (3)	PE 212 (1)	EDCI 339 (3)
MATH 133 (3)	PE 233 (3)	EDCI 350 (3)
BIOL 143 (4)	PE 235 (3)	EDCI 468 (6)
PHYS 141 or	PE 302 (3)	RDG 400 (3)
GEOL 141 (4)	PE 324 (2)	RDG 404 (3)
ENG 230 (3) or ENG 231 (3)	PE 331 (3)	
Visual &	PE 332 (3)	
Performing	PE 336 (3)	
Arts (3) ***	PE 337 (3)	
HIST 231 (3)	PE 338 (3)	
HIST 232 (3)	PE 339 (3)	
POLS 231 (3)	PE 378 (3)	
POLS 232 (3)	PE 435 (3)	
PSY 131 (3)	PE 437 (3)	
CS 116 (3)	PE 438 (3)	
	Upper Level	
	PE Electives (6)	
	Cognate	
	Courses:	
	PE 111 (1)	
	PE 112 (1)	
	PE 399 (2)	
	HED 233 (2)	
	HED 333 (3)	
	BIOL 245, BIOL 245L (4)	

^^ PE is defined as Human Performance.

* 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE ^^
TRACK II (ATHLETIC TRAINING / ALL-LEVELS TEACHING) ^^^
TOTAL CREDITS REQUIRED: 147**

CORE CURRICULUM (STANDARD)*	MAJOR (HUMAN PERFM-II)	PROFESSIONAL DEVELOPMENT	OTHER REQUIREMENTS
44 credits	73 credits	24 credits	6 credits
ENG 131 (3)**	PE 111 (1)	EDCI 310 (3)	FN 233 (3)
ENG 132 (3)	PE 112 (1)	EDCI 328 (3)	HSMR 362 (3)
SC 135 or 136 (3)	PE 127 (3)	EDCI 339 (3)	
MATH 133 (3)	PE 211 (1)	EDCI 350 (3)	
BIOL 143 (4)	PE 212 (1)	EDCI 468 (6)	
PHYS 141 or	PE 233 (3)	RDG 400 (3)	
GEOL 141 (4)	PE 235 (3)	RDG 404 (3)	
ENG 230 or 231 (3)	PE 302 (3)		
Visual &	PE 324 (2)		
Performing	PE 331 (3)		
Arts (3)***	PE 332 (3)		
HIST 231 (3)	PE 336 (3)		
HIST 232 (3)	PE 337 (3)		
POLS 231 (3)	PE 338 (3)		
POLS 232 (3)	PE 370 (3)		
PSY 131 (3)	PE 371 (3)		
CS 116 (3)	PE 372 (3)		
	PE 378 (3)		
	PE 399 (2)		
	PE 435 (3)		
	PE 437 (3)		
	PE 438 (3)		
	Cognate		
	Courses:		
	HED 223 (2)		
	HED 233 (2)		
	HED 333 (3)		
	BIOL 245, 245L (4)		
	Plus		
	6 elective credits approved		
	by the major advisor		

^^ PE is defined as Human Performance.

^^^ All degree candidates must complete an 1800 clock hour internship working under a certified/licensed athletic trainer.

* 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, MUSI 239, SOC 141, PHIL 431.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE ^^
TRACK III (ATHLETIC TRAINING / NON-TEACHING) ^^^
TOTAL CREDITS REQUIRED: 135**

CORE CURRICULUM (STANDARD)*	MAJOR (HUMAN PERFM-III)	MINOR REQUIREMENTS	OTHER REQUIREMENTS
44 credits	64 credits	21 credits	6 credits
ENG 131 (3)**	PE 111 (1)	Contact department	FN 233 (3)
ENG 132 (3)	PE 112 (1)	of choice once	HSMR 362 (3)
SC 135 or 136 (3)	PE 127 (3)	admitted as a	
MATH 133 (3)	PE 211 (1)	major and after	
BIOL 143 (4)	PE 212 (1)	consulting with	
PHYS 141 or	PE 233 (3)	Faculty Advisor.	
GEOL 141 (4)	PE 235 (3)		
ENG 230 or 231 (3)	PE 302 (3)		
Visual &	PE 324 (2)		
Performing	PE 336 (3)		
Arts (3)***	PE 338 (3)		
HIST 231 (3)	PE 370 (3)		
HIST 232 (3)	PE 371 (3)		
POLS 231 (3)	PE 372 (3)		
POLS 232 (3)	PE 378 (3)		
PSY 131 (3)	PE 399 (2)		
CS 116 (3)	PE 437 (3)		
	PE 438 (3)		
	PE 439 (3)		
	Cognate		
	Courses:		
	HED 223 (2)		
	HED 233 (2)		
	HED 333 (3)		
	BIOL 245, 245L (4)		
	Plus		
	6 elective credits approved		
	by the major advisor		

^^ PE is defined as Human Performance.

^^^ 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.

*** Select one of the following: THC 130, MUSI 239, SOC 141, PHIL 431

MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN PERFORMANCE
TRACK I, II AND III
BY LEVEL AND SEQUENCE

Freshman

First Semester

PE 111 (Team Sports I), 1 cr
PE 127 (Foundations I), 3 cr

Second Semester

PE 112 (Team Sports II), 1 cr
HED 233 (History and Principles of Health), 2 cr

Sophomore

First Semester

PE 211 (Individual/Dual Sports and Activities I), 1 cr
PE 233 (Foundations II), 3 cr
BIOL 245 (Human Anatomy and Physiology), 4 cr

Second Semester

PE 212 (Individual/Dual Sports and Activities II), 1 cr
PE 235 (Introduction to Adapted Physical Education), 3 cr
PE 324 (Advanced Swimming), 2 cr

Junior

First Semester

HED 333 (Emergency and Care of Injuries), 3 cr
PE 331 (Performance Practicum), 3 cr
PE 332 (Coaching & Officiating, etc., for Secondary Schools), 3 cr
PE 338 (Principles & Techniques for Outdoor & Leisure Activities), 3 cr
PE 378 (Individual Development and Motor Learning), 3 cr

Second Semester

PE 302 (Physical Fitness Programs for Elementary & Secondary Schools), 3 cr
PE 336 (Organization and Administration of Physical Education), 3 cr
PE 339 (Advanced Techniques, Skills, etc.), 3 cr, **if needed**
Upper Level PE Elective, 3 cr, **if needed**

Senior

First Semester

PE 399 (Physical Education Seminar), 2 cr
PE 437 (Kinesiology), 3 cr
Upper Level PE Elective, 3 cr, **if needed**

Second Semester

PE 435 (Tests and Measurements), 3 cr, **if needed**
PE 438 (Physiology of Exercise), 3 cr, **if needed**



COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

OVERVIEW

As the largest and most diversified overall instructional unit (that is, college or school) at Texas Southern University, the College of Liberal Arts and Behavioral Sciences offers sixteen (16) different undergraduate or baccalaureate degrees and seven (7) different graduate degrees through eight (8) departments. The eight (8) departments are situated at various locations, and students are referred to the sections below for information concerning these departments. Students should also refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of the seven graduate degrees. A summary of the degrees and departments, by name, appears in the chart below:

Department	Undergraduate Degrees	Graduate Degrees
Communications	Bachelor of Arts in Communication Bachelor of Arts in Mass Communications	Master of Arts in Communications
English and Foreign Languages	Bachelor of Arts in English Bachelor of Arts in French Bachelor of Arts in Spanish	Master of Arts in English
Fine Arts	Bachelor of Arts in Art Bachelor of Arts in Music Bachelor of Arts in Theatre	Master of Arts in Fine Arts
History, Geography, and Economics	Bachelor of Arts in History Bachelor of Arts in Economics Bachelor of Arts in General Studies	Master of Arts in History
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
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

The College of Liberal Arts and Behavioral Sciences offers students who matriculate at the University the opportunity to choose an integrated major called "General Studies." This major leads to the earning of a Bachelor of Arts Degree. Students are required to complete a number of courses across several disciplines along with the standard undergraduate core curriculum. In providing this degree option, students who do not want to focus on a narrowly defined major have the opportunity to develop a broader world view and prepare for a variety of careers, including teaching careers. Since the Dean's Office does not directly house faculty, responsibility for the mentoring and advising of students who wish to pursue the B.A. in General Studies is assigned to the Department of History, Geography, and Economics in the College. Students interested in the General Studies undergraduate degree should, therefore, contact that department for further information at the telephone number given below.

Although a degree in Women's Studies is not offered at the undergraduate level at the University, the College of Liberal Arts and Behavioral Sciences does provide students having such an interest with a non-degree interdisciplinary program which seeks to examine women's lives, culture, and history in all their complex multiplicities. This body of information can be attained through enrollment in the following courses: ENG 239, ENG 440, HIST 349, HSCS 335, POLS 499, SOC 460, and SOCW 333. For further information, contact the Department of History, Geography, and Economics at (713)-313-7814.

The organization of the College is patterned after a conventional model of dean and faculty chairs as programmatic supervisors. The Assistant to the Dean is charged with administrative matters related to student affairs and acts in the Dean's stead in certain matters. The Office of the Dean is located in Room 201 of Hannah Hall, and the Office of the Assistant to the Dean is located in Room 202 of Hannah Hall. The Office of the Dean may be contacted by calling (713)-313-4287.

MISSION STATEMENT

The most diversified instructional unit at the University is the College of Liberal Arts and Behavioral Sciences. Its mission is to educate every individual to live knowledgeably, responsibly, and humanely. In an effort to have highly employable graduates, the College seeks to provide the knowledge and understanding necessary for its majors to perform successfully in their specific disciplines, as well as in education, mass communications, politics, the international areas, and the performing arts. Thus, the goals of the College are:

1. To prepare students to demonstrate oral and written communications.
2. To prepare students to think and read critically and analytically.
3. To prepare students to obtain employment or admission to graduate and professional schools.
4. To prepare competent professionals and leaders capable of providing solutions to the problems in the urban environment of the nation and the world.
5. To expose students to a variety of literary and cultural experiences.

These goals are attendant to the mission which is ordered so as to accomplish the general educational aims of the University, while providing specialized training in selective areas of knowledge. Of special note is the fact that most of the Undergraduate Core Curriculum courses required for the conferral of the various undergraduate degrees at Texas Southern University are offered through the Departments in the College of Liberal Arts and Behavioral Sciences.

Students (either new or transfer) wishing to enroll in one of the programs of study leading to undergraduate degrees offered through the College of Liberal Arts and Behavioral Sciences must first gain admission to Texas Southern University through adherence to the policies and procedures established by the Office of Admissions and referenced in chapter two of this document. Once admitted, students are assigned to the General University Academic Center (GUAC) until they fulfill ASSET requirements, until they eradicate deficiencies identified at the time of admission, and until prerequisites established by the various departments in the College, where majors and minors may be declared, are completed. While under the guidance of GUAC, students should develop rapport with the departments in which they intend to declare majors and minors (if required). The departmental offices provide advisement upon request related to courses available to students who are not yet eligible to declare majors and who are trying to fulfill prerequisites that must be met in order to declare majors or minors. In either case, students should consult the respective department section of this document for detailed information.

Once admitted or while applying for admission, students who need financial aid or assistance should contact the Office of Financial Aid at the University. Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Liberal Arts and Behavioral Sciences are required to follow the sequence of courses outlined in their respective degree plans.
2. Students pursuing undergraduate degrees in the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.

GOOD ACADEMIC STANDING

To remain in good academic standing in the College, students must meet the requirements for good academic standing and are subject to the probationary and suspension policies set by the University as referenced under the academic regulations described in chapter two of this document.

Students pursuing majors and/or minors through the various departments in the College of Liberal Arts and Behavioral Sciences are strongly cautioned that many of the curricula of study offered have specific GPA and grade requirements that exceed the

overall good academic standing policy of the University. Students enrolled in such programs must also meet these requirements in order to remain in good standing as designated majors and minors.

STUDENT ORGANIZATIONS AND PERFORMING GROUPS

Various student organizations operate in the College and are housed in the nine member departments. Students should contact the respective departments if they are interested in these organizations. In addition, a number of ensemble groups perform under the guidance of the Department of Fine Arts. Interested students who are not Fine Arts Majors are eligible to participate in these groups and should contact the Fine Arts Department Office for further information.

ACCREDITATION

All programs in the College of Arts and Sciences are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Bachelor of Arts Degree in Social Work is accredited by the Council on Social Work Education, and the Bachelor of Science in Dietetics is accredited by the American Dietetic Association.

RIGHT TO MODIFY

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

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The eight departments in the College of Arts and Sciences are described in detail on the pages that follow in the order referenced in the chart at the beginning of this section.

DEPARTMENT OF COMMUNICATIONS

The Department of Communications offers courses in four (4) academic disciplines: Communication (CM), Journalism (JOUR), Speech Communication (SC), and Telecommunications-Electronic Media (TC). In addition to course offerings, **two undergraduate or baccalaureate degrees, the Bachelor of Arts (B.A.) in Communication and the Bachelor of Arts (B.A.) in Mass Communications, and one graduate degree, the Master of Arts (M.A.) in Communications, are offered through the Department. Also, minors in Journalism, Speech Communication, and Telecommunications-Electronic Media are offered for students in disciplines where the declaration of a minor is required.** Members of the Department are housed in the Martin Luther King Center with the Department Office located in Room 124.

The Graduate School Bulletin of Texas Southern University should be referred to for detailed information on the Master of Arts in Communications.

In pursuing the B.A. in Communication, the focus is on Speech Communication where students may select from two different curriculum tracks: Intercultural-Interpersonal and Organizational Communication. For either of the two tracks selected, **students who are first-time degree seekers are required to declare a minor in a second academic discipline and 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.**

As is the case for the B.A. in Communication, students pursuing the B.A. in Mass Communications may also select from two curriculum tracks: Journalism and Telecommunications-Electronic Media. The Journalism track allows students to pursue one of three specialties: Print Journalism (minor required), Advertising-Public Relations (minor required), and Broadcast Journalism (no minor required). The Telecommunications-Electronic Media track allows students to select one of two specialties: Radio Production (minor optional) and Television Production (minor optional). **As stated above, students are cautioned that grades of “C” or better must be earned in courses designated for both the major and minor (if declared). Grades of “C-” are unacceptable in these courses.**

In selecting minors for curriculum tracks for either of the undergraduate degrees offered, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum or other requirements for the degree selected could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.

The primary mission of the Department of Communications is to prepare students majoring and minoring 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.

Requirements for both the B.A. in Communication and the B.A. in Mass Communications are summarized below with exact requirements and semester credit hours needed for graduation dependent upon the track selected for the respective degree. Students pursuing either of the B.A. degrees must first be admitted to the Department before attempting to meet degree requirements. Regardless of the degree and associated track selected by students, emphasis in the overall curriculum is placed on the development of high communication skills. **Students accepted to major status in the Department are required to pass an exit examination during the calendar year of their expected graduation. Students failing this examination will not graduate and must wait until the next regularly scheduled examination to retake it.**

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 Speech Communication, twenty-two (22) semester credit hours are required through enrollment in the following courses: SC 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 Telecommunications-Electronic Media, twenty-one (21) semester credit hours are required through enrollment in the following courses: TC 230 (3 credits), TC 231 (4 credits), TC 331 (3 credits), TC 344 (3 credits), TC 365 or TC 368 (4 credits each), and TC 375 or TC 368 (4 credits each).

Students wishing to pursue either a major or minor offered through the Department must petition for admission by completing and returning the appropriate form for such through the Department Office. Students petitioning for either status must have an overall GPA of 2.50 or better; must have completed the following courses with grades of “C” or better (grades of “C-” are unacceptable): ENG 131, ENG 132, and CM 130; and must also have completed the introductory course(s) for the chosen degree and track with grades of “C” or better (grades of “C-” are unacceptable): both JOUR 130 and JOUR 132, or only JOUR 132 for the journalism degree advertising and public relations specialty, or SC 136, or both TC 230 and TC 231. The overall GPA minimum must also be maintained after admission. In addition, students are responsible for verifying their compliance with ASSET requirements and their eradication of any academic deficiencies previously identified by the University at the time they request admission to the Department. Upon admission, each student is assigned an official advisor and is expected to keep the Department Office informed of address and/or telephone number changes up to the time of graduation.

In summary, an interested student must first gain admission to the University; must meet his/her ASSET responsibility; must eradicate identified academic deficiencies; and must petition for admission as either a major or minor to the Department. Once admitted, each student is provided with extensive advisement before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the Department Office at (713)-313-7740.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Browne, Louis A. Associate Professor B.A., State University of New York, Buffalo M.S., Syracuse University Ph.D., State University of New York, Buffalo</p>	<p>Poudeh, Reza J. Associate Professor B.S., Esfahan University M.A., Ed.D., Boston University</p>
<p>Franzone, Dorothy L. Assistant Professor B.A., Bishop College M.A., University of Michigan Ph.D., Temple University</p>	<p>Sandifer-Walker, Serbino Assistant Professor B.A., Texas Southern University M.S., Columbia University</p>
<p>Hope-Thompson, Maurice Instructor B.A., Florida Atlantic University M.S., Syracuse University J.D., Boston College Law School</p>	<p>Thompson, Gloria Instructor B.A., M.A., Tennessee A & I University</p>
<p>Khosrovani, Masoomeh Assistant Professor B.A., University of Tehran, Iran M.A., University of Iran M.A., University of Detroit Ph.D. Wayne State University</p>	<p>Ulasi, Christian Assistant Professor B.S., M.A., Texas Southern University Ph.D., University of Texas at Austin</p>
<p>Lee, Eui Bun Professor B.A., Ewha Women's University M.A., University of Minnesota Ph.D., University of Texas at Austin</p>	<p>Ward, James W. Associate Professor B.A., Texas Southern University M.A., Texas Tech University Ph.D., Wayne State University</p>
<p>Lomas, Ronald P. Associate Professor B.A., M.A., Western Illinois University Ph.D., Bowling Green State University</p>	

COMMUNICATION CORE COURSES

- CM 130 **Introduction to Communication Theory** (3)
Basic concepts 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 **Intermediate Writing** (3)
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 332 **Computers in Communication** (3)
The role of computer technology in media production and the impact on the communication process discussed. Three hours of lecture per week.
- 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: Junior or senior standing and a minimum of 12 semester credit hours earned in a field of concentration in the Department. May be repeated for up to 6 credits.

JOURNALISM COURSES

- JOUR 130 **Introduction to Journalism** (3)
Survey of history, theory, aesthetics, and economics of print media; special emphasis placed on the development of electronic news operation. Three hours of lecture per week.
- JOUR 132 **Introduction to Reporting** (4)
Introduction to fact gathering news and writing basic and advanced news stories considered. Students must be able to type at least 30 words per minute. Three hours of lecture and two hours of laboratory per week.
- JOUR 133 **Broadcast News I / Introduction to Broadcast News** (4)
Introduction to reporting and writing news for the broadcast media. Four hours of lecture per week.
- JOUR 232 **Introduction to Advertising** (3)
Introduction to basic principles of advertising theory and practice. Broad picture of advertising as marketing communications and social information. Three hours of lecture per week.
- JOUR 234 **Introduction to Public Relations** (3)
Introduction to the principles and practices of public relations in business, education, social welfare, government, and the armed forces. Three hours of lecture per week.
- JOUR 235 **Online Journalism I** (3)
Hands-on introduction to journalistic writing for online publications and broadcasts using state-of-the-art software. Three hours of lecture per week.
- JOUR 238 **Intermediate Reporting** (4)
Development of reporting and writing skills for the print media. Four hours of lecture per week.
- JOUR 242 **Intermediate Broadcast News** (4)
Refining skills in gathering, evaluating, and writing news for the broadcast media. Four hours of lecture per week. Prerequisites: JOUR 132, JOUR 133.

JOUR 251	The Black Press (3) Survey of the Black press, including a survey of Black journalists, past and present, along with the status of today's Black press. Three hours of lecture per week.
JOUR 253	News Editing I (3) Development of clear, effective editing, rewriting, headline writing, page make-up, and reporting management for the print media. Three hours of lecture per week.
JOUR 331	Law and Ethics of Journalism (3) 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.
JOUR 332	Advanced Reporting (4) 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.
JOUR 333	Newspaper Design (3) Introduction to basic camera-ready production techniques for tabloid and standard newspaper designs. Three hours of lecture per week.
JOUR 335	Intermediate Desktop Publishing / Computer Assisted Reporting (3) Advanced training in the use of various database software products for contemporary reporting. Three hours of lecture per week.
JOUR 356	Advertising and PR Campaigns (3) 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.
JOUR 359	Computer Skills for Journalists (4) Fundamental principles and techniques of newsroom computer usage; hands-on experience in using various computer software. Four hours of lecture per week.
JOUR 362	Critical Writing (3) Writing course for students who wish to specialize in writing reviews of motion pictures, plays, concerts, art, and books for print and electronic media. Three hours of lecture per week. Offered as needed.
JOUR 430	Independent Study (3) Independent study in history, ethics, practice, law, and aesthetics of journalism. Prerequisite: Consent of the instructor or Faculty Chair.
JOUR 431	Community News Operations (3) 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.
JOUR 432	Editorial Writing (3) Training in editorial research and writing for print media. Three hours of lecture per week.
JOUR 433	Public Affairs Reporting (3) Advanced training and practice in reporting the affairs of municipal, county, state, and federal agencies. Three hours of lecture per week. Prerequisite: JOUR 332.

- JOUR 435 **Advanced Desktop Publishing / Multimedia Graphic Designs** (3)
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.
- JOUR 437 **Feature Writing** (3)
Researching and writing feature stories such as human interest stories and personal columns presented. Three hours of lecture per week.
- JOUR 438 **Online Journalism II** (3)
Advanced Training for online publications and broadcast using state-of-the-art software. Three hours of lecture per week.
- JOUR 443 **Advanced Broadcast News** (4)
Advanced training and practice in broadcast news production; emphasis on production of audition tape and portfolio-quality material. Four hours of lecture per week.
- JOUR 450 **Problems in Journalism** (3)
Problems of current concern in journalism; topics may vary according to time and instructor. May be repeated as topics change. Three hours of lecture per week. Prerequisites: Junior/senior standing and consent of the Faculty Chair.
- JOUR 453 **News Editing II** (3)
Advanced training and practice in editing for specialty publications, book publishing, pagination, and other electronic editing techniques. Three hours of lecture per week.
- JOUR 490 **Media Management** (3)
Ownership, financing, structure of mass media organizations; management of editorial, program, administrative support, and advertising staffs; servicing and evaluating media audiences. Three hours of lecture per week.
- JOUR 491 **Advertising and Public Relations Campaigns / Critical Thinking** (3)
Solutions to problems in advertising/public relations management; theories and research in persuasive campaigns; cases in advertising, public relations, political campaigns, and social change. Three hours of lecture per week.

SPEECH COMMUNICATION COURSES

- SC 110 **Multipurpose Laboratory** (1)
Improvement of various communications skills such as verbal and nonverbal messages, listening, diction, enunciation, pronunciation, and articulation. May be repeated to a maximum of four credits. Two hours of laboratory per week.
- SC 131 **Fundamentals of Speech Communication** (3)
Emphasis on basic oral communication skills: voice production, articulation, and diction; listening and responding to verbal and nonverbal cues. Three hours of lecture per week. **Listed as SPCH 1311 in the Texas Common Course Numbering System.**
- SC 133 **American English Phonetics** (3)
Articulatory and acoustic description of American speech sounds by means of the International Phonetic Alphabet; phonetic transcription. Three hours of lecture per week.

- 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 336 **Professional Writing** (3)
Analysis of selected speech material for such communication objectives as form, style, and content. Practice in writing speeches, technical reports, research reports; and preparation of messages for organizations. Three hours of lecture per week.

- 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.**
- SC 462 **Language Acquisition and Development** (3)
 How verbal and nonverbal language develops in children; how they learn the selection of appropriate communication strategies and satisfactory relationships. Three hours of lecture per week.

TELECOMMUNICATIONS - ELECTRONIC MEDIA COURSES

- TC 230 **Introduction to Media Studies** (3)
Survey of history, theory, aesthetics, cultural, political, economic, and international characteristics of mass media in society. Required of all mass communications majors. Three hours of lecture per week.
- TC 231 **Introduction to Media Production** (4)
Basic information, skills, and theories required to equip students to communicate through audiovisual media. Lectures and practical applications. Four hours of lecture per week with studio hours to be arranged. Required of all students in the production area. Prerequisite: TC 230.
- TC 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 programs and selected critics. Three hours of lecture per week. Prerequisites: TC 230 and TC 344.
- TC 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. Prerequisite: TC 344.
- TC 341 **Television Graphics** (3)¹
Theory and practice of graphic design for television and operation of electronic graphic equipment. Three hours of lecture per week with studio hours to be arranged. Prerequisite: TC 231.
- TC 344 **Media Management and Marketing** (3)
Introduction to the basic elements involved in the day-to-day operation of radio and television stations. Three hours of lecture per week. Prerequisite: TC 230.
- TC 347 **Multimedia Interaction Design** (3)¹
Theory and practice of interactive technologies and multimedia production with focus on design and development, including web design. Three hours of lecture per week with studio hours to be arranged. Prerequisite: TC 231.
- TC 365 **Television Studio Production I** (4)
Introduction to the basic elements of electronic media production. Four hours of lecture per week with studio hours to be arranged. Prerequisite: TC 231.
- TC 368 **Field Video Production I** (4)
Introduction to principles and procedures in field production with focus on the competent use of equipment in the field. Four hours of lecture per week with studio hours to be arranged. Prerequisites: TC 230 and TC 231.
- TC 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: TC 230, TC 231, and consent of the instructor.
- TC 375 **Introduction to Media Performance** (4)
Principles and practices of audio production, voice training, and performance for broadcast (news, narration, disc jockey, and multimedia). Four hours of lecture per week with studio hours to be arranged. Prerequisite: TC 231.

- TC 378 **Introduction to Radio Operations** (6)¹
Introduction to fundamentals of radio production and procedures; focus on basic competency in equipment and station operation policies. Four hours of lecture per week with studio hours to be arranged. Prerequisites: TC 230 and TC 231.
- TC 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. Prerequisite: TC 344.
- TC 391 **Broadcast Programming** (3)
Examination of the theory and practice of broadcast programming with special consideration of the decision-making process, social applications, current trends, philosophies, and audience research. Three hours of lecture per week. Prerequisites: TC 230, TC 331, and TC 344.
- TC 430 **Independent Study** (3)
Same as JOUR 430. Independent study in the history, economics, production, and management of print and/or electronic media. Prerequisites: Upper-level standing and consent of the instructor or Faculty Chair.
- TC 435 **Advanced Writing for Electronic Media and Film** (3)
Advanced work in the development of proposals, treatments, and shooting scripts for electronic media and film. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: Upper-level standing, TC 230, TC 353, and TC 335.
1. A recommendation has been made to change the number of credit hours for TC 341, 347, 378, and 499 to four (4). If this recommendation is approved, the change will probably become effective during the period covered by this bulletin.
- TC 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 with one two-hour film screening each week as required by the topic. Prerequisite: TC 331.
- TC 440 **Electronic Media Management** (3)
Study of the ownership, financing, and structure of mass media organizations; management of editorial, program, administrative, support, and advertising staffs; servicing and evaluating media audiences. Three hours of lecture per week. Prerequisites: TC 230 and TC 344.
- TC 450 **Issues in Telecommunications** (3)
Same as JOUR 450. Advanced problems in mass communication studies, communication technologies, and international communication with special consideration of current concerns in electronic media production. Topics vary from semester to semester. Three hours of lecture per week. Prerequisite: TC 331 or consent of the instructor.
- TC 462 **New Communications Technologies** (3)
Examination of applications and potential effects of new telecommunications 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. Prerequisite: Consent of the instructor.
- TC 465 **Television Studio Production II** (4)
Advanced practice in studio and field production of television programs and video. Focus on using single and multi cameras, lighting, sound recording, and editing. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: Upper-level standing, TC 365 and consent of the instructor.

- TC 468 **Field Video Production II** (4)
Advanced production techniques in using camera, lighting, sound recording, and editing outside of the studio. Four hours of lecture per week with studio hours to be arranged. Prerequisites: Upper-level standing, TC 368 and consent of the instructor.
- TC 475 **Advanced Media Performance** (4)
Advanced work in the theory, principles, and practices of digital audio production with emphasis on aspects of studio and field digital audio production and voice performance. Topics vary from semester to semester. Four hours of lecture per week with studio hours to be arranged. Prerequisites: Upper-level standing, TC 375 and consent of the instructor.
- TC 478 **Advanced Radio Operations** (4)
Advanced theory and practice of directing, producing, and performing for radio. Four hours of lecture per week with studio hours to be arranged. Prerequisites: TC 378, upper-level standing, and consent of the instructor.
- TC 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. Prerequisite: Consent of the instructor.
- TC 499 **Master Projects in Media Production** (3)¹
Creative projects or comprehensive research in the area of special interest: radio, television, or multi-media, developed and executed by the student to demonstrate his/her capabilities in quality production. Required of all mass communications majors. Six studio hours per week. Prerequisite: Completion of all television or radio production emphasis courses.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN COMMUNICATION
INTERCULTURAL - INTERPERSONAL TRACK
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM* (STANDARD)	MAJOR (COMMUNICATION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	43 credits	20 credits	21 credits
ENG 131 (3)**	CM 130 (3)	Electives (20)	Contact
ENG 132 (3)	CM 200 (3)		Department of
SC 135 or 136 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	SC 110 (1)		admitted as
PHYS 141 (4)	SC 136 (3)		a major in
ENG 2xx (3)	SC 230 (3)		the Department.
MUSI 131 or	SC 232 (3)		
THC 130 (3)	SC 330 (3)		
HIST 231 (3)	SC 332 (3)		
HIST 232 (3)	SC 431 (3)		
POLS 231 (3)	SC 432 (3)		
POLS 232 (3)	SC 433 (3)		
PSY 131 or	SC Electives (6)		
SOC 157 or			
SOC 158 (3)			
CS 116 (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN COMMUNICATION
ORGANIZATIONAL COMMUNICATION TRACK
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM* (STANDARD)	MAJOR (COMMUNICATION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	43 credits	20 credits	21 credits
ENG 131 (3)**	CM 130 (3)	Electives (20)	Contact
ENG 132 (3)	CM 200 (3)		Department of
SC 135 or 136 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	SC 110 (1)		admitted as
PHYS 141 (4)	SC 136 (3)		a major in
ENG 2xx (3)	SC 230 (3)		the Department.
MUSI 131 or	SC 232 (3)		
THC 130 (3)	SC 330 (3)		
HIST 231 (3)	SC 332 (3)		
HIST 232 (3)	SC 333 (3)		
POLS 231 (3)	SC 338 (3)		
POLS 232 (3)	SC 434 (3)		
PSY 131 or	SC 438 (3)		
SOC 157 or	SC Elective (3)		
SOC 158 (3)			
CS 116 (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.

MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN COMMUNICATION
BOTH TRACKS
(INTERCULTURAL-INTERPERSONAL AND ORGANIZATIONAL COMMUNICATION)
BY LEVEL AND SEQUENCE

Freshman

First Semester

CM 130 (Introduction to Communication Theory), 3 cr
SC 110 (Multipurpose Laboratory), 1 cr

Second Semester

SC 136 (Public Address), 3 cr

Sophomore

First Semester

CM 200 (Intermediate Writing), 3 cr
SC 230 (Urban Rhetorical Patterns), 3 cr

Second Semester

SC 232 (Interpersonal Communication), 3 cr

Junior

First Semester

CM 332 (Computers in Communication), 3 cr
SC 330 (Persuasion), 3 cr

Second Semester

SC 332 (Group Communication Processes), 3 cr
SC Elective, 3 cr
SC 333 (Interviewing), 3 cr, **if needed**
SC 338 (Introduction to Organizational Communication), 3 cr, **if needed**

Senior

First Semester

CM 430 (Internship), 3 cr
SC 431 (Nonverbal Communication), 3 cr, **if needed**
SC 432 (Intercultural Communication), 3 cr, **if needed**
SC 434 (Principles of Leadership), 3 cr, **if needed**

Second Semester

SC 433 (Health Communication), 3 cr, **if needed**
SC 438 (Organizational Structure and Communication Behavior), 3 cr, **if needed**
SC Elective, 3 cr, **if needed**

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
JOURNALISM TRACK (PRINT JOURNALISM SPECIALTY)
TOTAL CREDITS REQUIRED: 132**

CORE CURRICULUM* (STANDARD)	MAJOR (MASS COMMUNICATIONS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	57 credits	10 credits	21 credits
ENG 131 (3)**	CM 130 (3)	Electives (10)	Contact
ENG 132 (3)	CM 200 (3)		Department of
SC 135 or 136 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	JOUR 130 (3)		advised by
PHYS 141 (4)	JOUR 132 (4)		major advisor
ENG 2xx (3)	JOUR 235 (3)		once admitted
MUSI 131 or	JOUR 238 (4)		to the Department.
THC 130 (3)	JOUR 253 (3)		
HIST 231 (3)	JOUR 331 (3)		
HIST 232 (3)	JOUR 332 (4)		
POLS 231 (3)	JOUR 335 (3)		
POLS 232 (3)	JOUR 435 (3)		
PSY 131 or	plus		
SOC 157 or	12 additional		
SOC 158 (3)	General and		
CS 116 (3)	Upper-Level JOUR		
	Elective credits approved		
	by the major advisor		

* 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
JOURNALISM TRACK (ADVERTISING AND PUBLIC RELATIONS SPECIALTY)
TOTAL CREDITS REQUIRED: 132**

CORE CURRICULUM* (STANDARD)	MAJOR (MASS COMMUNICATIONS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	54 credits	13 credits	21 credits
ENG 131 (3)**	CM 130 (3)	Electives (13)	Contact
ENG 132 (3)	CM 200 (3)		Department of
SC 135 or 136 (3)	CM 332 (3)		choice after
MATH 133 (3)	CM 430 (3)		being
BIOL 143 (4)	JOUR 132 (4)		advised by
PHYS 141 (4)	JOUR 232 (3)		major advisor
ENG 2xx (3)	JOUR 234 (3)		once admitted to
MUSI 131 or	JOUR 235 (3)		the Department.
THC 130 (3)	JOUR 238 (4)		
HIST 231 (3)	JOUR 253 (3)		
HIST 232 (3)	JOUR 331 (3)		
POLS 231 (3)	JOUR 332 (4)		
POLS 232 (3)	JOUR 335 (3)		
PSY 131 or	JOUR 356 (3)		
SOC 157 or	JOUR 435 (3)		
SOC 158 (3)	plus		
CS 116 (3)	6 JOUR Elective		
	credits approved by		
	the major advisor		

* 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
JOURNALISM TRACK (BROADCAST JOURNALISM SPECIALTY)
TOTAL CREDITS REQUIRED: 132**

CORE CURRICULUM* (STANDARD)	MAJOR (MASS COMMUNICATIONS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	67 credits	21 credits	0 credits
ENG 131 (3)**	CM 130 (3)	Electives (21)	A minor is
ENG 132 (3)	CM 200 (3)		NOT required
SC 135 or 136 (3)	CM 332 (3)		for this
MATH 133 (3)	CM 430 (3)		Specialty under
BIOL 143 (4)	JOUR 130 (3)		the Journalism
PHYS 141 (4)	JOUR 132 (4)		Track.
ENG 2xx (3)	JOUR 133 (4)		
MUSI 131 or	JOUR 235 (3)		
THC 130 (3)	JOUR 238 (4)		
HIST 231 (3)	JOUR 242 (4)		
HIST 232 (3)	JOUR 253 (3)		
POLS 231 (3)	JOUR 331 (3)		
POLS 232 (3)	JOUR 332 (4)		
PSY 131 or	JOUR 335 (3)		
SOC 157 or	JOUR 443 (4)		
SOC 158 (3)	TC 231 (4)		
CS 116 (3)	TC 365 (4)		
	TC 368 (4)		
	TC 375 (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.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
JOURNALISM TRACK (ALL SPECIALTIES)
BY LEVEL AND SEQUENCE**

Freshman

First Semester

CM 130 (Introduction to Communication Theory), 3 cr
JOUR 130 (Introduction to Journalism), 3 cr, **if needed**

Second Semester

JOUR 132 (Introduction to Reporting), 3 cr
JOUR 133 (Broadcast News I), 3 cr, **if needed**

Sophomore

First Semester

CM 200 (Intermediate Writing), 3 cr
JOUR 235 (Online Journalism I), 3 cr
JOUR 232 (Introduction to Advertising), 3 cr, **if needed**
TC 231 (Telecommunications Production), 4 cr, **if needed**

Second Semester

JOUR 238 (Intermediate Reporting), 4 cr
JOUR 253 (News Editing I), 3 cr
JOUR 234 (Introduction to Public Relations), 3 cr **if needed**
JOUR 242 (Intermediate Broadcast News), 4 cr, **if needed**
JOUR Elective, 3 cr, **if needed**

Junior

First Semester

CM 332 (Computers in Communication), 3 cr
JOUR 331 (Law and Ethics of Journalism), 3 cr
JOUR 332 (Advanced Reporting), 4 cr
JOUR Elective, 3 cr, **if needed**
TC 365 (Introduction to TV Studio Production), 4 cr, **if needed**
TC 375 (Introduction to Media Performance), 4 cr, **if needed**

Second Semester

JOUR 335 (Intermediate Desktop Publishing), 3 cr
JOUR 356 (Advertising and PR Campaign), 3 cr, **if needed**
JOUR Upper Level Elective, 3 cr, **if needed**
TC 368 (Introduction to Field Video Production), 4 cr, **if needed**

Senior

First Semester

CM 430 (Internship), 3 cr
JOUR Upper Level Elective, 3 cr, **if needed**
JOUR 435 (Advanced Desktop Publishing), **if needed**
JOUR 443 (Advanced Broadcast News), 4 cr, **if needed**

Second Semester

JOUR Upper Level Elective, 3 cr, **if needed**

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
TELECOMMUNICATIONS - ELECTRONIC MEDIA TRACK
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM* (STANDARD)	MAJOR (MASS COMMUNICATIONS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	49 or 70 credits	10 credits	21 or 0 credits
ENG 131 (3)**	CM 130 (3)	Electives (10)	If the declaration
ENG 132 (3)	CM 200 (3)		of a minor is
SC 135 or 136 (3)	CM 332 (3)		approved by
MATH 133 (3)	CM 430 (3)		the major advisor,
BIOL 143 (4)	TC 230 (3)		the Department of
PHYS 141 (4)	TC 231 (4)		choice should be
ENG 2xx (3)	TC 331 (3)		contacted directly.
MUSI 131 or	TC 335 (3)		
THC 130 (3)	TC 344 (3)		
HIST 231 (3)	TC 438 (3)		
HIST 232 (3)	TC 499 (3) ¹		
POLS 231 (3)	plus		
POLS 232 (3)	either 15 (with minor option)		
PSY 131 or	or 36 (without minor option)		
SOC 157 or	credits approved by the major		
SOC 158 (3)	advisor, selected from		
CS 116 (3)	the following***:		
	TC 341 (3) ¹ , TC 347 (3) ¹ ,		
	TC 365 (4), TC 368 (4),		
	TC 375 (4), TC 378 (6) ¹ ,		
	TC 465 (4), TC 468 (4),		
	TC 475 (4), TC 478 (4), and		
	TC 371 (3), TC 381 (3),		
	TC 391 (3), TC 430 (3),		
	TC 440 (3), TC 450 (3),		
	TC 462 (3), & TC 498 (3)		

1. A recommendation has been made to change the number of credit hours for this course from six (6) to four (4). If this recommendation is approved, the change will probably become effective during the period covered by this bulletin.

* 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.

*** The 15 credit option is selected if the student is approved to declare a minor by his/her major advisor.

The 36 credit option is selected if the student is approved to not declare a minor.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN MASS COMMUNICATIONS
TELECOMMUNICATIONS - ELECTRONIC MEDIA TRACK (BOTH SPECIALTIES)
BY LEVEL AND SEQUENCE**

Freshman	First Semester CM 130 (Introduction to Communication Theory), 3 cr
	Second Semester CM 200 (Intermediate Writing), 3 cr
Sophomore	First Semester TC 230 (Introduction to Media Studies), 3 cr
	Second Semester TC 231 (Introduction to Media Aesthetics), 4 cr
Junior	First Semester CM 332 (Computers in Communication), 3 cr TC 331 (Media Analysis and Criticism), 3 cr TC 335 (Writing for Electronic Media and Film), 3 cr TC 344 (Media Management and Marketing), 3 cr Approved Upper-Level TC Elective(s)
	Second Semester Approved Upper-Level TC Elective(s)
Senior	First Semester CM 430 (Internship), 3 cr Approved Upper-Level TC Elective(s) TC 438 (Media and Society), 3 cr TC 499 (Master Projects in Media Production), 3 cr
	Second Semester Approved Upper-Level TC Elective(s)

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

The Department of English and Foreign Languages offers courses in three academic disciplines: English (ENG), French (FR), and Spanish (SPAN). In addition to course offerings, four degrees, three undergraduate and one graduate, are offered through this instructional unit: the Bachelor of Arts (B.A.) Degree in English, the Bachelor of Arts (B.A.) Degree in French, the Bachelor of Arts (B.A.) Degree in Spanish, and the Master of Arts (M.A.) Degree in English. For students pursuing majors (or undergraduate degrees) that require the declaration of a minor, three minors are available: English, French, and Spanish. Members of the Department and departmental facilities are housed on the first, second, and third floors of the Martin Luther King Building with the Department Office located in Room 106.

Students interested in the Master of Arts Degree in English should consult the Graduate School Bulletin of Texas Southern University for further information.

The mission of the Department of English and Foreign Languages is to provide studies of language and literature. The aims of the programs of the Department are to equip students to succeed in academic endeavors in college and to prepare them to assume responsible roles in America and in the world.

Requirements for the three baccalaureate or undergraduate degrees offered through the Department are specified below. As first-time degree seekers, students are required to declare minors in a second academic discipline in order to pursue one of these three degrees. Grades of “C” or better, where grades of “C-” are unacceptable, are required in all courses dedicated to either the major or minor chosen. No course offered through the Department can be used to satisfy both a core curriculum requirement and a major requirement for graduation. Students should consult the Department Office regarding this matter. An exit examination is required of all graduating seniors.

In selecting a minor, as required for the completion of the three undergraduate degrees offered through the Department, 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 sought could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours having been satisfactorily completed.

Students wishing to declare a minor in one of the three choices available in the Department must be admitted through the departmental admissions procedure referenced above. In addition, grades of “C” or better must be earned in all courses specified as minor courses. In the specific case of the English minor, students wishing to petition for this minor must have GPA’s 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. Course requirements for the three minors offered are summarized below:

1. For the minor in English, 21 semester credit hours are required through enrollment in the following three-credit courses: ENG 230, ENG 231, ENG 302, ENG 303 or 304, ENG 338, ENG 430 or 432, and ENG 440 or 441.
2. For the minor in French, 21 semester credit hours are required beyond FR 131 and FR 132 through enrollment in 21 semester credit hours. Students may select the exact courses for enrollment based upon semester offerings and advisor or faculty chair approval.
3. For the minor in Spanish, 21 semester credit hours are required beyond SPAN 131 and SPAN 132 through enrollment in 21 semester credit hours. Students may select the exact courses for enrollment based upon semester offerings and advisor or faculty chair approval.

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.

In summary, interested students must first gain admission to the University, must meet their ASSET responsibility, must fulfill prerequisites required, and must contact the Department regarding admission as either majors or minors once prerequisites and ASSET requirements have been met. Each student is provided with extensive advisement once admitted and before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the Department Office at (713)-313-7214.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Benson, Michon Visiting Instructor B.A., University of Texas B.A., Texas Southern University M.A., Texas Southern University</p>	<p>McEwing, Joyce J. Assistant Professor B.A., Southern University M.A., North Carolina Central University</p>
<p>Butler, A. Thorpe Professor B.A., Rice University M.A., Ph.D., Claremont Graduate School</p>	<p>Moore, Shirley W. Associate Professor B.A., M.A., Texas Southern University M.A., Ph.D., Rice University</p>
<p>Caussinus, Mary Assistant Professor B.A., La Sorbonne, Paris M.A., La Sorbonne, Paris Ph.D., University of Louisiana at Lafayette</p>	<p>Saldivar, Rhonda H. Assistant Professor B.A., Spelman College M.S., George Peabody College for Teachers Ph.D., Peabody at Vanderbilt</p>
<p>Crespil, Marcel M. Professor B.A., University of South Florida B.A., University of Paris M.A., Ph.D., Florida State University</p>	<p>Samples, Ronald C. Assistant Professor B.A., Texas Southern University M.A., Ph.D., Rice University</p>
<p>Evans, Charlene T. Professor B.A., University of Texas at Austin M.A., Atlanta University M.A., Ph.D., Rice University</p>	<p>Saylors, Rita D. Associate Professor B.A., University of Texas at Austin M.A., Ph.D., University of Houston</p>
<p>Garcia, Carmen Instructor B.A., M.A., University of Texas at Brownsville</p>	<p>Sollars, Michael D. Assistant Professor B.A., University of Missouri at Columbia M.A., Ph.D., University of Missouri at Kansas City</p>
<p>Jardim, Keith Visiting Assistant Professor B.F.A., Emerson College M.F.A., Emerson College Ph.D., University of Houston</p>	<p>Sun, Haiqing Assistant Professor B.A., Peking University, Beijing, NA MA., Peking University, Beijing NA Ph.D., University of Southern California</p>
<p>Jennings, Arbolina L. Assistant Professor B.A., Notre Dame College M.A., New York University</p>	<p>Taylor-Thompson, Betty E. Professor B.A., Fisk University M.L.S., Atlanta University M.A., Ph.D., Howard University</p>
<p>Johnson, Melba M. Instructor B.A., M.A., Texas Southern University</p>	<p>Turner, Billy J. Assistant Professor B.A., Texas Southern University M.A., University of Virginia</p>
<p>Kilgore-Kimble, Donna L. Instructor B.A., Huston-Tillotson College M.A., Texas Southern University</p>	

DEVELOPMENTAL READING COURSE

- READ 130** **Basic Reading and Study Skills** (3)
Designed for students to learn the factors that comprise effective reading, study skills, and vocabulary building. Students engage in interactive learning activities to improve their reading comprehension, methods of study, and vocabulary building. Three hours of lecture and one hour of laboratory per week.

ENGLISH COURSES

- ENG 129** **Introduction to English Fundamentals** (3)
Designed to prepare students to develop college level writing proficiency and to master the skills measured on state required tests. Focus on sentence structure, usage, mechanical conventions, and paragraph development. Three hours of lecture and one hour of laboratory per week.
- ENG 130** **English Fundamentals** (3)
Designed to further prepare students to develop college level writing proficiency and to master the skills measured on state-required tests. Course is devoted to the practice of writing essays that demonstrate a mastery of fundamental principles of grammar and composition. Three hours of lecture and one hour of laboratory per week.
- ENG 131** **Freshman English I** (3)
First of a two-part composition course in which students analyze professionally-written essays that are samples of rhetorical modes and write competent multi-paragraph essays utilizing formal principles of grammar, usage, mechanics, rhetoric, and style. Three hours of lecture per week. Prerequisite: ENG 130 or satisfactory score on the ASSET exam. **Listed as ENGL 1301 in the Texas Common Course Numbering System.**
- ENG 132** **Freshman English II** (3)
Second half of a two-part composition course designed to improve and extend students' skills in organizing and developing persuasive and analytical essays, to enhance knowledge of literary genres, and provide instruction in research skills needed in the preparation of documented essays. 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)
Survey of some masterpieces of poetry, prose, and drama from antiquity to the Renaissance. 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)
Survey of some masterpieces of poetry, prose, and drama from the Renaissance to the present. Three hours of lecture per week. Prerequisites: ENG 131 and 132. **Listed as ENGL 2333 in the Texas Common Course Numbering System.**
- ENG 235** **American Literature** (3)
Survey of selected prose, poetry, and drama of the United States from the colonial period to the present. Three hours of lecture per week. Prerequisites: ENG 131 and 132. **Listed as ENGL 2328 in the Texas Common Course Numbering System.**
- ENG 243** **Africana Literature** (3)
Introduction to selected modern Africana literature, in translation, of the African Diaspora. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132.

- ENG 244 **African American Literature** (3)
Survey of African American literature with emphasis on major authors and movements. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132.
- ENG 302 **Great American Writers** (3)
Survey of selected works of major American authors from the colonial era to the present. The course also emphasizes literary movements, genres, and themes as well as enhances further development of students' analytic, research, and composition skills. Required of English majors. Three hours of lecture per week. Prerequisite: Completion of all required 200-level courses.
- ENG 303 **Great British Writers 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 **Great British Writers 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.
- ENG 305 **Mythology in Literature** (3)
Study of classical and other myths, legends, and folktales, with emphasis on the original works and their appearance 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 both fiction and poetry. Three hours of lecture per week. Prerequisites: Completion of all required 200-level ENG courses and consent of the instructor.
- 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 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 proof-reading. Three hours of lecture per week. Prerequisites: Completion of all required 200-level English courses.
- ENG 430 **History and Theory of Language Study** (3)
Introduction to the principles of language theory and to the history of the English language. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.

- FR 331 **Review of French 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.
- FR 335 **Scientific French** (3)
Individualized readings in the physical, natural, and social sciences to familiarize students with the specialized vocabulary of their field in translating from French to English. Graduate students may substitute the passing of this course with a grade of "B" or better for the graduate foreign language reading examination. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 347 **Contemporary France I** (3)
Study of French institutions and movements since the beginning of the twentieth century, including transportation, politics, education, geography, industrialization, social classes, world wars, and fine arts. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 432 **Business French** (3)
Designed to present specialized vocabulary, methods, and techniques pertaining to how to conduct French business, to enable students to prepare business documents and letters. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 231 and FR 232 or consent of the instructor.
- FR 438 **Directed Study** (3)
Study of a single topic, particular work, or author under the direction of a faculty member. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.
- FR 439 **French Influence in Africa** (3)
Study of the importance of the French presence in French-speaking African countries utilizing critical and analytical approaches that will allow students to acquire an understanding of the language and culture of contemporary French Africa. Three hours of lecture per week. Prerequisites: Senior standing as a French major and consent of both the Faculty Chair and instructor.

SPANISH COURSES

- SPAN 131 **Elementary Spanish I** (3)
Fundamentals of Spanish pronunciation and grammar along with intensive listening/speaking and reading/writing skills development. Three hours of lecture per week. **Listed as SPAN 1311 in the Texas Common Course Numbering System.**
- SPAN 132 **Elementary Spanish II** (3)
Continuation of SPAN 131. Three hours of lecture per week. Prerequisite: SPAN 131. **Listed as SPAN 1312 in the Texas Common Course Numbering System.**
- SPAN 231 **Intermediate Spanish I** (3)
Application of grammar; elementary composition; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisites: SPAN 131 and SPAN 132 or the equivalent. **Listed as SPAN 2311 in the Texas Common Course Numbering System.**
- SPAN 232 **Intermediate Spanish II** (3)
Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisite: SPAN 231. **Listed as SPAN 2312 in the Texas Common Course Numbering System.**

- SPAN 331** **Review of Grammar and Composition** (3)
 Provision of intensive training in manipulating Spanish in speaking and writing. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.
- SPAN 332** **Conversation and Diction** (3)
 Communication practice designed to develop a superior level of oral proficiency. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.
- SPAN 333** **Introduction to Spanish Literature I** (3)
 Survey of the great works of Spanish literature from the Middle Ages through the Golden Age. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 334** **Introduction to Spanish Literature II** (3)
 Survey of the great works of Spanish literature from the Neoclassical period to the present. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 335** **Introduction to Latin American Literature I** (3)
 Survey of the great works of Latin American writers from colonial times to the beginning of the Mexican Revolution. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 336** **Introduction to Latin American Literature II** (3)
 Survey of the great 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 438** **Masterpieces of World 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 441** **Culture and Civilization of Spain** (3)
 Survey of the culture and civilization of Spain from prehistoric times to the Civil War. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 444** **Masterpieces of Hispanic Literature** (3)
 Study of great 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)
 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. Prerequisite: Senior standing as a Spanish major and consent of both the Faculty Chair and instructor.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN ENGLISH
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	23 credits	21 credits
ENG 131 (3)**	ENG 231 (3)	HIST 131 (3)	Contact
ENG 132 (3)	ENG 302 (3)	HIST 132 (3)	department of
SC 135 or 136 (3)	ENG 303 (3)	HED 233 (2)	choice after
MATH 133 (3)	ENG 304 (3)	Foreign Language (12)	being admitted
BIOL 143 or	ENG 433 (3)	Elective (3)	as a major
CHEM 111, 131 (4)	ENG 430 or 432 (3)		and receiving
PHYS 141 or	ENG 440 or 441 (3)		advisement from
GEOL 141 (4)	plus		either the
THC 130 or	(15) additional		faculty advisor or
ART 131 or	Upper-Level		the Faculty Chair.
ART 132 or	ENG credits		
MUSI 131 or	approved by		
MUSI 239 (3)	either the		
HIST 231 (3)	faculty advisor		
HIST 232 (3)	or the		
POLS 231 (3)	Faculty Chair.		
POLS 232 (3)			
PSY 131 (3)			
CS 116 (3)			
ENG 230 (3)			

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

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

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN ENGLISH
WITH TEACHER CERTIFICATION
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	23 credits	21 credits
ENG 131 (3)**	ENG 231 (3)	HIST 131 (3)	Contact
ENG 132 (3)	ENG 302 (3)	HIST 132 (3)	department of
SC 135 or 136 (3)	ENG 303 or 304 (3)	HED 233 (2)	choice after
MATH 133 (3)	ENG 338 (3)	Foreign Language (12)	being admitted
BIOL 143 or	ENG 433 (3)	Elective (3)	as a major
CHEM 111, 131 (4)	ENG 430 or 432 (3)		and after receiving
PHYS 141 or	ENG 440 or 441 (3)		advisement from
GEOL 141 (4)	plus		either the
THC 130 or	Upper-Level		faculty advisor or
ART 131 or	ENG elective (3)		the Faculty Chair.
ART 132 or	plus		
MUSI 131 or	(12) credits of		
MUSI 239 (3)	Education courses		
HIST 231 (3)	approved by		
HIST 232 (3)	both the		
POLS 231 (3)	education advisor		
POLS 232 (3)	and the		
PSY 131 (3)	Faculty Chair.		
CS 116 (3)			
ENG 230 (3)			

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

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

**MAJOR/CORE COURSES FOR THE
BACHELOR OF ARTS DEGREE IN ENGLISH
BY LEVEL AND SEQUENCE**

Freshman	First Semester ENG 131 (Freshman English I), 3 cr
	Second Semester ENG 132 (Freshman English II), 3 cr
Sophomore	First Semester ENG 230 (World Literature I), 3 cr
	Second Semester ENG 231 (World Literature II), 3 cr
Junior	First Semester ENG 302 (Great American Writers), 3 cr ENG 303 (Great British Writers I), 3 cr
	Second Semester ENG 304 (Great British Writers II), 3 cr ENG 433 (Shakespeare), 3 cr Approved English elective, 3 cr
Senior	First Semester ENG 430 (History and Theory of Language Study) or ENG 432 (Studies in Modern Grammar), 3 cr Approved English electives, 6 cr
	Second Semester ENG 440 (African American Literature: Poetry and Drama) or ENG 441 (African American Literature: Fiction and Criticism), 3 cr Approved English electives, 6 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN FRENCH
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*	MAJOR (FRENCH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	30 credits	30 credits	21 credits
ENG 131 (3)**	FR 131 (3)	ENG 231 (3)	Contact
ENG 132 (3)	FR 132 (3)	HED 233 (2)	department of
SC 135 or 136 (3)	FR 231 (3)	HIST 131 (3)	choice after
MATH 133 (3)	FR 232 (3)	HIST 132 (3)	being admitted
BIOL 143 or	FR 331 (3)	MATH 134 (3)	as a major
CHEM 111, 131 (4)	FR 335 (3)	SPAN 131 (3)	and after receiving
PHYS 141 or	FR 347 (3)	SPAN 132 (3)	advisement from
GEOL 141 (4)	FR 432 (3)	Elective (3)	either the
THC 130 or	FR 438 (3)	PE 1xx (1)	Faculty Advisor or
ART 131 or	FR 439 (3)	Language or	the Faculty Chair.
ART 132 or		Literature Electives (6)	
MUSI 131 or			
MUSI 239 (3)			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
PSY 131 or			
CS 116 (3)			
ENG 230 (3)			

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

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

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN FRENCH
BY LEVEL AND SEQUENCE**

Freshman	First Semester FR 131 (Elementary French I), 3 cr
	Second Semester FR 132 (Elementary French II), 3 cr
Sophomore	First Semester FR 231 (Intermediate French I), 3 cr
	Second Semester FR 232 (Intermediate French II), 3 cr
Junior	First Semester FR 331 (Review of French Grammar and Composition), 3 cr FR 347 (Contemporary France I), 3 cr
	Second Semester FR 335 (Scientific French), 3 cr
Senior	First Semester FR 432 (Business French), 3 cr FR 438 (Directed Study), 3 cr Electives, 6 cr
	Second Semester FR 439 (French Influence in Africa), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN SPANISH
TOTAL CREDITS REQUIRED: 131**

CORE CURRICULUM (STANDARD)*	MAJOR (SPANISH)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	42 credits	24 credits	21 credits
ENG 131 (3)**	SPAN 131 (3)***	ENG 231 (3)	Contact
ENG 132 (3)	SPAN 132 (3)***	HED 233 (2)	department of
SC 135 or 136 (3)	SPAN 231 (3)	HIST 131 (3)	choice after
MATH 133 (3)	SPAN 232 (3)	HIST 132 (3)	being admitted
BIOL 143 or	SPAN 331 (3)	MATH 134 (3)	as a major
CHEM 111, 131 (4)	SPAN 332 (3)	FR 131 (3)	and after receiving
PHYS 141 or	SPAN 333 or 334 (3)	FR 132 (3)	advisement from
GEOL 141 (4)	SPAN 335 (3)	Elective (3)	either the
THC 130 or	SPAN 336 (3)	PE 1xx (1)	Faculty Advisor or
ART 131 or	SPAN 438 (3)		the Faculty Chair.
ART 132 or	SPAN 441 (3)		
MUSI 131 or	SPAN 444 (3)		
MUSI 239 (3)	SPAN 445 (3)		
HIST 231 (3)	Elective (3)		
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
PSY 131 or			
SOC 157 (3)			
CS 116 (3)			
ENG 230 (3)			

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

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

*** These courses may be replaced by an approved substitute at the time of advisement either by the major advisor or by the Faculty Chair.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN SPANISH
BY LEVEL AND SEQUENCE**

Freshman	First Semester SPAN 131 (Elementary Spanish I), 3 cr
	Second Semester SPAN 132 (Elementary Spanish II), 3 cr
Sophomore	First Semester SPAN 231 (Intermediate Spanish I), 3 cr
	Second Semester SPAN 232 (Intermediate Spanish II), 3 cr
Junior	First Semester SPAN 331 (Review of Grammar and Composition), 3 cr SPAN 332 (Conversation and Diction), 3 cr
	Second Semester SPAN 333 (Introduction to Spanish Literature I), 3 cr, or SPAN 334 (Introduction to Spanish Literature II), 3 cr SPAN 335 (Introduction to Latin American Literature I), 3 cr
Senior	First Semester SPAN 336 (Introduction to Latin American Literature II), 3 cr SPAN 438 (Masterpieces of World Theatre), 3 cr SPAN 441 (Culture and Civilization of Spain), 3 cr
	Second Semester SPAN 444 (Masterpieces of Hispanic Literature), 3 cr SPAN 445 (Directed Study), 3 cr

DEPARTMENT OF FINE ARTS

The Department of Fine Arts represents the consolidation of three of the academic disciplines devoted to creative endeavors at the University: Art, Music and Theatre. Through its faculty members, courses are offered in Art (ART), Music (MUSI), Applied Music (MUSA), and Theatre (THC). **The Bachelor of Arts (B.A.) Degree in Art, the Bachelor of Arts (B.A.) Degree in Music, the Bachelor of Arts (B.A.) Degree in Theatre and the Master of Arts (M.A.) Degree in Fine Arts (Music) are offered along with minors in Art, Music and Theatre for students pursuing undergraduate degrees in other departments.** Members of the Department and departmental facilities are housed among four structures: the Rollins-Stewart Music Center, the Sawyer Auditorium/Ollington Smith Playhouse, the Rhinehart Music Auditorium, and the John T. Biggers Art Building. The Department Office is located on the first floor of the Rollins-Stewart Music Center in Room 112.

For detailed information on the Master of Arts Degree in Fine Arts, students are referred to the Graduate School Bulletin of Texas Southern University.

In pursuing the B.A. degree, students may select from three curriculum tracks of study: Art, Music and Theatre. Each of these three tracks also has specialty areas that students may select from. For the **B.A. in Art**, six specialties or specializations are available: Art History, Ceramics and Sculpture, Design, Drawing, Painting, and Printmaking. For the **B.A. in Music**, four specialties or specializations are available: Performance, General, Jazz Studies, and Certification. For the **B.A. in Theatre**, two specialties or specializations are available: Performance and Technical Theatre. **In selecting one of these three tracks and an associated specialty, students who are first-time degree seekers are not required to declare a minor in a second academic discipline. Instead, they are required to complete 18 semester credit hours in the area of specialization.**

The primary mission of the Department of Fine Arts is to provide students with aesthetic experiences in art, music and theatre. Fundamentals, theories, and creativity are the basis of this extensive program which includes design, drawing, ceramics, printmaking, painting, sculpture, exhibitions, ensembles, and solo performances. Curricular offerings are designed to produce artists, performers, and directors, as well as provide a broad liberal arts education. Students are provided with a strong undergraduate education upon which to base the pursuit of advanced or graduate study. Faculty members in the Department are committed to providing an educational environment where aspiring visual and performing artists and craftsmen develop in the understanding and mastering of creative techniques; where all students may gain an appreciation of the cultural, historical, and educational values of the arts; and where cultural awareness translates to the community.

Requirements for the B.A. in Art, the B.A. in Music, and the B.A. in Theatre, as well as the three minors offered through this unit, are summarized below with exact requirements dependent upon the track, including specialty, or minor selected. **All courses designated as either major or minor courses must be completed with grades of “C” or better, where grades of “C-” are unacceptable.** In considering requirements for one of the bachelor’s degrees, or one of the three minors, students must first be admitted by the University, must satisfy ASSET requirements, must eradicate deficiencies assessed through the General University Academic Center (GUAC), must petition the Department for admission as ASSET requirements are completed, and must complete preliminary requirements established by the Department for majors. Further admission and graduation requirements for the Department are considered below. **An exit examination is required of all graduating seniors.**

Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

For the minor in Art, 21 semester credit hours are required through enrollment in the following: ART 131 (3 credits); ART 133 (3 credits); ART 231 (3 credits); one art history class of choice (3 credits); and 9 additional upper-level elective credits in ART. The minimum grade requirement for each course in this minor is referenced above.

For the minor in Music, 21 semester credit hours are required through enrollment in the following: MUSI 100 (1 credit), MUSI 131 (3 credits), MUSI 141 (3 credits), MUSI 142 (3 credits), two music ensemble courses (2 credits total), and 9 upper-level elective credits in MUSI or MUSA. The minimum grade requirement for each course designated is referenced above.

For the minor in Theatre, 21 semester credit hours are required through enrollment in five designated three-credit courses (THC 130, THC 151, THC 231, THC 337 or THC 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.

For the minor in Fine Arts, 21 semester credit hours are required through enrollment in the following: ART 131 or 132 (3 credits), ART 201 (0-1 credits), ART 136, 137, 235 or 236 (3 credits), THC 130 (3 credits), THC 231 (3 credits), THC 337, 338 or 438 (3 credits), MUSI 131 (3 credits), MUSI 100 (0-1 credits) and any needed, additional credits, with advisor and/or Faculty Chair approval. In addition, students minoring in the fine arts must participate in one University Players production and in one Opera Workshop production.

For the minor in Jazz Studies, 22 semester credit hours are required through enrollment in fourteen (14) credit hours in required jazz courses, which include MUSI 141 (3 credits), MUSI 253 (3 credits), MUSI 343 (3 credits), MUSI 228 (2 credits), MUSI UJ (for 2 total credits), MUSA 111 (1 credit), and in eight (8) credit hours in approved electives, which may include MUSI 142 (3 credits), MUSI 229 (2 credits), MUSI 480 (3 credits), one additional ensemble course per semester, one additional applied music course per semester, and approved electives as determined by a jazz studies committee that considers the student's abilities, career goals, and objectives as related to the performing arts. Any courses that apply toward a student's major requirements in the Fine Arts cannot be used to fulfill these minor requirements. The minor in Jazz Studies is open both to music majors and to non-music majors who qualify by audition.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview through the Department Office. At the time of interview, students are asked to 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 exhibitions, recitals, and performances. Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status.

Ten performing groups at the University are sponsored and coordinated through the Department of Fine Arts and require that participating students enroll for elective credit. These groups are the: University Marching Band, University Concert Band, Jazz Combo, Jazz Big Band, Latin Jazz, Vocal Jazz, University Choir, Concert Choir, Opera Workshop, and the University Chamber Orchestra. An eleventh performing group, the University Players, allows for student participation without enrolling for elective credit. Interested students should contact the Department Office for additional information.

In summary, interested students must first gain admission to the University, must meet their ASSET 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>Lee, Richard Associate Professor B.M.Ed., Texas Southern University M.M., Colorado State University</p>
<p>Butler, Benjamin J., II Associate Professor B.S., Tennessee State University M.M., University of Michigan</p>	<p>Lundy, Anne Instructor M.E., University of Texas M.M., University of Houston</p>
<p>Evans, Joseph Assistant Band Director B.A., Shaw University M.A.Ed., Tennessee State University</p>	<p>Oby, Jason Associate Professor B.M., M.M., Manhattan School of Music D.M., Florida State University</p>
<p>Gibson, Clarence Instructor B.M.E., Alcorn State University M.M.E., University of Southern Mississippi</p>	<p>Perkyns, Jane Associate Professor B.M., Dalhousie University M.M., The Julliard School D.M.A., University of British Columbia</p>
<p>Green, Leamon Associate Professor B.F.A., Cleveland Institute of Art M.F.A., Temple University</p>	<p>Singleton, Darryl Instructor B.M.E., Howard University M.M. in Performance, Florida State University</p>
<p>Harris, Howard C. Associate Professor B.S., Southern University M.M.Ed., Louisiana State University</p>	<p>Thomas, Fennoye Professor B.M., M.M., D.M.A., University of Colorado</p>
<p>Jemison-Pollard, Dianne Professor B.A., Fisk University M.A., University of Wisconsin M.F.A., Catholic University of America</p>	<p>Trotty, Sarah A. Associate Professor B.S. Art Ed., University of Houston-University Park M. Art Ed., Texas Southern University Ph.D., Purdue University</p>
<p>Johnson, Harvey L. Professor B.A.Ed., Texas Southern University M.F.A., Washington State University</p>	<p>Wardlaw, Alvia J. Professor A.B., Wellesley College A.M., New York University Ph.D., University of Texas at Austin</p>

- ART 232 **Elementary Painting II** (3)
Continuation of ART 231. Six hours of laboratory per week. Prerequisite: ART 231. **Listed as ARTS 2317 in the Texas Common Course Numbering System.**
- ART 233 **Introduction to Computer Generated Art and Design** (3)
Broad range of graphic art, desktop publishing, and digital imaging software covered with a focus on combining basic computer techniques and design fundamentals. Use of the computer as a design tool for creating commercial and fine art applications emphasized. Six hours of laboratory per week. Prerequisites: ART 131, ART 133, and ART 134.
- ART 234 **Intermediate Computer Illustration and Typography** (3)
Intermediate course for students planning to become graphics professionals. Contemporary software packages used to explore what makes an effective layout and illustration. Six hours of laboratory per week. Prerequisite: ART 233.
- ART 235 **Medieval and Renaissance Art** (3)
Historical examination of the transition of art from the Medieval Period, where it was created communally resulting in cathedrals as places of worship and exchange, to the Renaissance Period, where the artist/patron relationship developed. Role of humanistic ideas in developing subject matter of the artists considered. Three hours of lecture per week.
- ART 236 **Baroque and Modern Art** (3)
Examination of the challenge to surpass the Renaissance as expressed in the sometimes idiosyncratic stylizations of Baroque creativity as an appropriate prelude to the expansion of ideas, the restructuring of technique, and visual approach that defines the Modern Era. Three hours of lecture per week.
- ART 237 **Ceramics and Pottery I** (3)
General ceramics and pottery course for beginners that includes hand-built and wheel-thrown objects. Six hours of laboratory per week. **Listed as ARTS 2346 in the Texas Common Course Numbering System.**
- ART 238 **Ceramics and Pottery II** (3)
Continuation of ART 237. Six hours of laboratory per week. Prerequisite: ART 237. **Listed as ARTS 2347 in the Texas Common Course Numbering System.**
- ART 303 **Art Studio I** (3)
Independent study for junior level majors with a major advisor in a specialized area of research.
- ART 304 **Art Studio II** (3)
Continuation of ART 303. Prerequisite: ART 303.
- 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 emphasized. Six hours of laboratory per week. Prerequisite: Junior standing as art major.
- ART 322 **Life Sketch II** (3)
Continuation of ART 321 emphasizing specific types of rendering expressions in various drawing media. An individual and creative approach required. Six hours of laboratory per week. Prerequisite: ART 321.
- ART 325 **Advanced Ceramics I** (3)
Instruction in methods of making and designing pottery, other ceramic objects, glaze mixing, and kiln firing. Six hours of laboratory per week. Prerequisite: ART 238.

ART 326	Advanced Ceramics II Continuation of ART 325. Six hours of laboratory per week. Prerequisite: ART 325.	(3)
ART 331	Sculpture I Creative approach to three-dimensional sculpture, nature study, organic form, and structure in varied media. Six hours of laboratory per week.	(3)
ART 332	Sculpture II Continuation of ART 331. Six hours of laboratory per week. Prerequisite: ART 331.	(3)
ART 333	Digital Painting and Imaging Course in 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 and ART 234.	(3)
ART 334	Digital Imaging and Sequential Art 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.	(3)
ART 335	Intermediate Painting I 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.	(3)
ART 336	Intermediate Painting II Continuation of ART 335. Six hours of laboratory per week. Prerequisite: ART 335.	(3)
ART 337	Printmaking I Methods and materials used in producing black and white multiple edition prints from lithographic stones and metal plates. Six hours of laboratory per week.	(3)
ART 338	Printmaking II Continuation of ART 337 with the production of multiple editions of color prints. Six hours of laboratory per week. Prerequisite: ART 337.	(3)
ART 339	Two-Dimensional Art and Artists Current issues and research findings related to the application of studio methods and techniques for studying two-dimensional art and the artists recognized in the field. One hour of lecture and three hours of laboratory per week.	(3)
ART 370	Studies in Art I General course for the study of simple, inexpensive art techniques that includes the psychology of creativity. Projects include drawing, painting, design, printmaking, and collage techniques. 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 sculptured and craft techniques used by folk artists. One hour of lecture and three hours of laboratory per week.	(3)
ART 372	Weaving I Design and craftsmanship in weaving on simple handmade table and floor looms. Six hours of laboratory per week.	(3)

MUSI 172	Class Piano II	(1)
	Continuation of MUSI 171. May be substituted for MUSA 112 when specified for the piano. Two hours of laboratory per week. Prerequisite: MUSI 171. Listed as MUSI 1182 in the Texas Common Course Numbering System.	
MUSI 173	Voice Class I	(1)
	Designed to teach the fundamental skills of tone production, breathing, posture, and to enhance the repertory by teaching simple songs in the classroom. Two hours of laboratory per week. Listed as MUSI II83 in the Texas Common Course Numbering System.	
MUSI 174	Voice Class II	(1)
	Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. Listed as MUSI 1184 in the Texas Common Course Numbering System.	
MUSI 223	Brass and Percussion	(2)
	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 odd-numbered years only. Two hours of lecture and one hour of laboratory per week.	
MUSI 224	Woodwind Instruments	(2)
	Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. Offered during even-numbered years only. Two hours of lecture and one hour of laboratory per week.	
MUSI 225	String Instruments	(2)
	Instruction in performing, teaching, and scoring for violin, viola, cello, and string bass. Organization, program planning, and terminology emphasized. Two hours of lecture and one hour of laboratory per week.	
MUSI 228	Jazz Improvisation I	(2)
	Basic techniques of improvisation of various styles, historical developments, and contributions. Two hours of lecture per week. Prerequisites: MUSI 141 and MUSI 142.	
MUSI 229	Jazz Improvisation II	(2)
	Continuation of MUSI 228. Prerequisite: MUSI 228.	
MUSI 239	Fine Arts in Daily Living	(3)
	Study of art, music, drama, and dance with emphasis on the interrelationship of these common elements and concepts and the contributions of noted artists. Three hours of lecture per week. Listed as HUMA 1301 in the Texas Common Course Numbering System.	
MUSI 241	Theory III	(3)
	Continuation of the integrated course begun in MUSI 141 and MUSI 142, including chromatic harmony, analysis, and the expression of musical ideas in elementary forms. Two hours of lecture and two hours of laboratory per week. Prerequisites: MUSI 141 and MUSI 142. Listed as MUSI 2311 in the Texas Common Course Numbering System.	
MUSI 242	Theory IV	(3)
	Continuation of MUSI 241. Two hours of lecture and two hours of laboratory per week. Prerequisite: MUSI 241. Listed as MUSI 2312 in the Texas Common Course Numbering System.	
MUSI 250	Composition III	(2)
	Continuation of the integrated course begun in MUSI 150, MUSI 151, and MUSI 152. Two hours of lecture/private lessons per week. Prerequisites: MUSI 150, MUSI 151, and MUSI 152. Listed as MUSI 2186 in the Texas Common Course Numbering System.	

MUSI 251	Composition IV	(2)
	Continuation of MUSI 250. Two hours of lecture/private lessons per week. Prerequisite: MUSI 250. Listed as MUSI 2187 in the Texas Common Course Numbering System.	
MUSI 253	Jazz Theory I	(3)
	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 or consent of instructor.	
MUSI 254	Jazz Theory II	(3)
	Composition study and analysis with application of advanced harmonic and rhythmic formats along with production of original student works. Prerequisite: MUSI 253.	
MUSI 300	Junior Recital	(0)
	Solo recital required of students pursuing the B.A. in Music, Applied Performance Specialty. Must be taken concurrently with appropriate Applied Music course.	
MUSI 322	Diction for Singers	(3)
	Application of vocal pronunciation and techniques of Italian, German, French, and English songs. Three hours of lecture per week. Offered during the spring semester only	
MUSI 325	Song Literature	(3)
	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 fall semester only. Three hours of lecture per week.	
MUSI 328	Instrumental Techniques	(2)
	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.	
MUSI 329	Fundamentals of Music Techniques	(3)
	Study of musical concepts and principles involving traditional and contemporary learning techniques with the provision of creative experiences through rhythm, song, and instrumental performance. Offered during the spring semester only. Three hours of lecture per week.	
MUSI 331	Counterpoint	(3)
	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. Prerequisite: MUSI 242.	
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. Prerequisite: MUSI 242.	
MUSI 334	Advanced Music Theory	(3)
	Introduction to 20th century theoretical concepts and stylistic trends, including impressionism, serialism, indeterminacy, minimalism, neo-Classicism, and neo-Romanticism. Emphasis placed on score analysis, composition assignments, and listening activities. Three hours of lecture per week. Prerequisite: MUSI 242.	
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 Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop to contemporary.	(2)
MUSI 337	History of Music I Comprehensive study of the historical periods in music beginning with antiquity to the present. Listening, analysis, and research activities included. Three hours of lecture per week. Prerequisites: MUSI 131, MUSI 141, and MUSI 142.	(3)
MUSI 338	History of Music II Continuation of MUSI 337. Three hours of lecture per week. Prerequisite: MUSI 337.	(3)
MUSI 339	Music for Young Children 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.	(3)
MUSI 343	Jazz History A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.	(3)
MUSI 347	Basic Music Procedures Study of the development of basic music skills stressing the understanding of music fundamentals through activities in singing, listening, performing, and eurhythmics. Three hours of lecture per week.	(3)
MUSI 350	Composition V Continuation of MUSI 251. One hour of laboratory/private lessons per week. Prerequisite: MUSI 251.	(2)
MUSI 351	Composition VI Continuation of MUSI 350. One hour of laboratory/private lessons per week. Prerequisite: MUSI 350. Offered as needed.	(2)
MUSI 355	Jazz Arranging Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.	(3)
MUSI 400	Senior Recital Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.	(0)
MUSI 431	Conducting Fundamentals Fundamentals of choral and instrumental conducting, stylistic interpretation, terminology, instrumental transposition, score reading, and rehearsal skins. Three hours of lecture per week. Prerequisite: Junior standing.	(3)
MUSI 435	Seminar in Music Studies Study of the organization and activities of music for majors. Offered during the fall semester only. Three hours of lecture per week.	(3)
MUSI 439	Piano-Voice Pedagogy Analysis and study of the contemporary performance practice of piano and voice with emphasis on style, form, and specific literature for each instrument. Offered during the spring semester only. Two hours of lecture per week.	(2)

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 481	Modern Music	(3)
	Critical examination and analysis of selected works of representative modern composers. Open to both undergraduate and graduate students. Offered during the fall semester only. Three hours of lecture per week.	
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 UJEC	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.	
MUSI UJBB	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.	
MUSI UJVE	University Vocal Jazz Ensemble	(1)
	Performing jazz compositions and arrangements for voices. Prerequisite: Jazz Music major or minor status or approval by audition.	
MUSI UJLE	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.	
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.	

MUSA 222	Applied Music Continuation of MUSA 221. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 221.	(2)
MUSA 231	Applied Music 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. Prerequisites: MUSA 132 and consent of the instructor.	(3)
MUSA 232	Applied Music Continuation of MUSA 231. Offered each semester for majors. Two hours of laboratory per week. Prerequisites: MUSA 231 and consent of the instructor.	(3)
MUSA 311	Applied Music Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and non-majors 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 non-majors 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.	(2)
MUSA 322	Applied Music Continuation of MUSA 321. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 321.	(2)
MUSA 331	Applied Music 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. Prerequisites: MUSA 232 and consent of the instructor.	(3)
MUSA 332	Applied Music Continuation of MUSA 331. Offered each semester for majors. Two hours of laboratory per week. Prerequisites: MUSA 331 and consent of the instructor.	(3)
MUSA 411	Applied Music Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and non-majors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 312.	(1)
MUSA 412	Applied Music Continuation of MUSA 411. Offered each semester for minors and non-majors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 411.	(1)
MUSA 421	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 322.	(2)
MUSA 422	Applied Music Continuation of MUSA 421. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 421.	(2)

MUSA 431 **Applied Music** (3)
 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. Prerequisites: MUSA 322 and consent of the instructor.

MUSA 432 **Applied Music** (3)
 Continuation of MUSA 431. Offered each semester for majors. Two hours of laboratory per week. Prerequisites: MUSA 431 and consent of the instructor.

THEATRE COURSES

THC 130 **Introduction to Theatre** (3)
 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.**

THC 151 **Basic Technical Theatre** (3)
 Overview of fundamental principles in acting, 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.

THC 231 **Elements of Acting** (3)
 Movement, voice, and character analysis. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor. **Listed as DRAM 1351 in the Texas Common Course Numbering System.**

THC 240 **Oral Interpretation** (3)
 Emphasis on understanding literature through the study of meaning, imagery, mood, and theme. Analysis and development of techniques of presentation. Three hours of lecture per week. Prerequisite: SC 140 or consent of the instructor.

THC 251 **Scene Design** (3)
 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.

THC 252 **Stage Lighting** (3)
 Introduction to principles and practices of stage lighting design. Practical training in use of color, lighting instruments, and control. Includes production participation. Two hours of lecture and two hours of laboratory per week.

THC 331 **Stage Makeup** (3)
 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.

THC 332 **Playwriting** (3)
 Introduction to theory, form, and materials used in the art and craft of playwriting; analysis of plays and assignments in imaginative writing. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor.

THC 334 **Play Directing** (3)
 Study of the principles and techniques of play direction. Students must direct a one-act play. One hour of lecture and four hours of laboratory per week. Prerequisite: THC 231 or consent of the instructor.

THC 337	History of Theatre I Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.	(3)
THC 338	History of Theatre II English and Continental theatre from the 17th century to the 21st century. Three hours of lecture per week.	(3)
THC 339	Black Drama Analytical study of selected Black playwrights and their plays from the past to the present. Influences on style, form, and content. Three hours of lecture per week.	(3)
THC 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)
THC 438	Modern Drama Literature of contemporary theatre, changes in style, and modern revolutionary patterns. Three hours of lecture per week.	(3)
THC 450	Problems in Theatre / Cinema 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)
THC 485	Dramatic Criticism Overview of philosophical theories of the form, structure, and function of drama from Aristotle to the present. Three hours of lecture per week.	(3)
THC 491	Theatre / Cinema Practicum I Design and production of one complete project in student's area of expertise. Includes activity point assessment. Six hours of laboratory per week. Open to minors only. Prerequisites: Senior standing and consent of the instructor.	(3)
THC 492	Theatre / Cinema Practicum II Same as THC 491, but offered during the spring semester only. Six hours of laboratory per week. Open to minors only. Prerequisites: Senior standing and consent of the instructor.	(3)
THC 497	Practicum I Research in theatre performance or technical theatre which includes activity point assessment. Thirty hours of laboratory per week. Open to majors only. Prerequisites: Consent of the instructor and the Faculty Chair.	(12)
THC 498	Practicum II Continuation of THC 497 which includes activity point assessment through internship in local theatres. Thirty hours at an approved theatre site per week. Open to majors only. Prerequisites: THC 497, consent of the instructor, and consent of the Faculty Chair.	(12)
THC 499	Practicum III Continuation of THC 498 which includes activity point assessment. Senior project must be presented showcasing talent in either performance or technical theatre. Open to majors only. Prerequisites: THC 498, consent of the instructor, and consent of the Faculty Chair.	(12)

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN ART
(WITH SPECIALTY AND WITHOUT MINOR)
TOTAL CREDITS REQUIRED: 136**

CORE CURRICULUM (STANDARD)*	MAJOR (ART)	OTHER REQUIREMENTS	SPECIALTY REQUIREMENTS
44 credits	67 credits	7 credits	18 credits
ENG 131 (3)**	ART 132 (3)	PE 1xx (1)	Select one of
ENG 132 (3)	ART 133 (3)	Foreign	the following
SC 135 or 136 (3)	ART 134 (3)	Language (6)	sets for specialty:
MATH 133 (3)	ART 135 (3)		Art History
BIOL 143 (4)	ART 201 (4)***		ART 136 (3)*^, ART 402 (9), &
GEOL 141	ART 202 (3)		Approved ART Electives (6)
or PHYS 141 (4)	ART 231 (3)		Design
ENG 2xx (3)	ART 232 (3)		ART 303 or 304 (3),
ART 131 (3)	ART 233 (3)		ART 334 (3), ART 439 (3),
HIST 231 (3)	ART 235 (3)		ART 440 (3), &
HIST 232 (3)	ART 236 (3)		Approved ART Electives (6)
POLS 231 (3)	ART 321 (3)		Drawing
POLS 232 (3)	ART 322 (3)		ART 303 (3), ART 304 (3)
PSY 131 or	ART 331 (3)		ART 431 (3), ART 432 (3), &
SOC 157 or	ART 335 (3)		Approved ART Electives (6)
SOC 158 (3)	ART 337 (3)		Painting
CS 116 (3)	ART 400 (3)		ART 303 (3), ART 304 (3),
	ART 434 (3)		ART 336 (3), ART 433 (3), &
	plus		Approved ART Electives (6)
	(12) approved ART		Printmaking
	elective credits		ART 338 (3), ART 437 (3),
	selected from		ART 438 (3), ART 440 (3), &
	the 3-credit		Approved ART Electives (6)
	courses below:		Ceramics and Sculpture
	ART 136, ART 137,		ART 303 (3), ART 304 (3),
	ART 139, ART 237,		ART 405 (3), ART 406 (3), &
	ART 238, ART 339		Approved ART Electives (6)
	ART 370, ART 372		
	ART 373, & ART 435		

* 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 order to get 4 credits in ART 201, it should be enrolled in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit. Thus, ART 201 should be taken each semester.

*^ This course must be taken in Art History at the 100-level. Options include ART 136, ART 137, and ART 139.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN ART
(WITH MINOR AND WITHOUT SPECIALTY)
TOTAL CREDITS REQUIRED: 136**

CORE CURRICULUM (STANDARD)*	MAJOR (ART)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	64 credits	7 credits	21 credits
ENG 131 (3)**	ART 132 (3)	PE 1xx (1)	Contact
ENG 132 (3)	ART 133 (3)	Foreign	department of
SC 135 or 136 (3)	ART 134 (3)	Language (6)	choice after
MATH 133 (3)	ART 135 (3)		being admitted
BIOL 143 (4)	ART 201 (4)***		as an
GEOL 141	ART 202 (3)		Art Major
or PHYS 141 (4)	ART 231 (3)		and after
ENG 2xx (3)	ART 232 (3)		being
ART 131 (3)	ART 233 (3)		advised by
HIST 231 (3)	ART 235 (3)		the major
HIST 232 (3)	ART 236 (3)		advisor.
POLS 231 (3)	ART 321 (3)		or
POLS 232 (3)	ART 331 (3)		Enroll in
PSY 131 or	ART 335 (3)		certification
SOC 157 or	ART 337 (3)		
SOC 158 (3)	ART 400 (3)		
CS 116 (3)	ART 434 (3)		
	plus		
	(12) approved ART		
	elective credits		
	selected from		
	the 3-credit		
	courses below:		
	ART 136, ART 137,		
	ART 139, ART 237,		
	ART 238, ART 339		
	ART 370, ART 372		
	ART 373, & ART 435		

* 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 order to get 4 credits in ART 201, it should be enrolled in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit. Thus, ART 201 should be taken each semester.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN ART
BY LEVEL AND SEQUENCE**

Freshman

First Semester (prior to admittance by the Department as major)

ART 131 (Drawing and Composition I), 3 cr
ART 133 (Creative Design I), 3 cr
ART 135 (Topics in Contemporary Art and Culture), 3 cr
ART 201 (Art Seminar), 1 cr

Second Semester (prior to admittance by the Department as major)

ART 132 (Drawing and Composition II), 3 cr
ART 134 (Creative Design II), 3 cr
Approved 100-Level ART Elective, 3 cr
ART 201 (Art Seminar), 1 cr

Sophomore

First Semester

ART 201 (Art Seminar), 1 cr
ART 202 (Intermediate Drawing), 3 cr
ART 231 (Elementary Painting I), 3 cr
ART 235 (Medieval and Renaissance Art), 3 cr

Second Semester

ART 201 (Art Seminar), 1 cr
ART 232 (Elementary Painting II), 3 cr
ART 233 (Intro to Computer Generated Art & Design), 3 cr
Approved 100-Level ART Elective, 3 cr

Junior

First Semester

ART 201 (Art Seminar), 0 cr
ART 236 (Baroque and Modern Art), 3 cr
ART 321 (Life Sketch I), 3 cr
Approved 200-Level ART Elective, 3 cr
ART Specialty Courses, 6 cr, **if needed**

Second Semester

ART 201 (Art Seminar), 0 cr
ART 322 (Life Sketch II), 3 cr, **if needed**
ART 331 (Sculpture I), 3 cr
ART 337 (Printmaking I), 3 cr
Approved 300-Level ART Elective, 3 cr
ART Specialty Course, 3 cr, **if needed**

Senior

First Semester

ART 201 (Art Seminar), 0 cr
ART 335 (Intermediate Painting I), 3 cr
ART 434 (Mural Painting), 3 cr
ART Specialty Courses, 6 cr, **if needed**

Second Semester

ART 201 (Art Seminar), 0 cr
ART 400 (Exhibition), 3 cr
ART Specialty Course, 3 cr, **if needed**

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC
(WITH SPECIALTY AND WITHOUT MINOR)
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*	MAJOR (MUSIC)	OTHER REQUIREMENTS	SPECIALTY REQUIREMENTS
44 credits	56 credits	7 credits	18 credits
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	Select one of
ENG 132 (3)	MUSI 132 (3)	Foreign	the following sets:
SC 135 or 136 (3)	MUSI 141 (3)	Language (6)	Applied
MATH 133 (3)	MUSI 142 (3)		Performance
BIOL 143 (4)	MUSI 241 (3)		Approved MUSA
GEOL 141	MUSI 242 (3)		Electives (15)
or PHYS 141 (4)	MUSI 300 (0)		THC 231 or
ENG 2xx (3)	MUSI 331 (3)		THC 251 (3)
ART 131 (3)	MUSI 333 (3)		Composition
HIST 231 (3)	MUSI 334 (3)		MUSI 150 (2)
HIST 232 (3)	MUSI 335 (3)		MUSI 151 (2)
POLS 231 (3)	MUSI 337 (3)		MUSI 250 (2)
POLS 232 (3)	MUSI 338 (3)		MUSI 251 (2)
PSY 131 or	MUSI 400 (0)		MUSI 350 (2)
SOC 157 or	MUSI 431 (3)		Approved Upper
SOC 158 (3)	MUSI Ensemble		Level MUSI
CS 116 (3)	Credits (5)		Electives (8)
	plus		Music History
	(14) Approved		MUSI 325 (3)
	MUSA or MUSI		MUSI 481 (3)
	elective credits that		Approved Upper
	should include		Level MUSI
	Additional		Electives (12)
	Ensemble		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.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC
(WITH MINOR AND WITHOUT SPECIALTY)
TOTAL CREDITS REQUIRED: 135**

CORE CURRICULUM (STANDARD)*	MAJOR (MUSIC)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	56 credits	14 credits	21 credits
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	Contact
ENG 132 (3)	MUSI 132 (3)	Foreign	department of
SC 135 or 136 (3)	MUSI 141 (3)	Language (6)	choice after
MATH 133 (3)	MUSI 142 (3)	Electives (7)	being admitted
BIOL 143 (4)	MUSI 241 (3)		as a
GEOL 141	MUSI 242 (3)		Music Major
or PHYS 141 (4)	MUSI 300 (0)		and after
ENG 2xx (3)	MUSI 331 (3)		being
ART 131 (3)	MUSI 333 (3)		advised by
HIST 231 (3)	MUSI 334 (3)		the major
HIST 232 (3)	MUSI 335 (3)		advisor.
POLS 231 (3)	MUSI 337 (3)		or
POLS 232 (3)	MUSI 338 (3)		Enroll in
PSY 131 or	MUSI 400 (0)		certification
SOC 157 or	MUSI 431 (3)		
SOC 158 (3)	MUSI Ensemble		
CS 116 (3)	Credits (5)		
	plus		
	(14) Approved		
	MUSA or MUSI		
	Elective credits that		
	should include		
	additional		
	Ensemble		

* 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.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN MUSIC
BY LEVEL AND SEQUENCE**

Freshman	First Semester (prior to admittance by the Department as major) MUSI 100 (Seminar I), 0 cr MUSI 131 (Introduction to Music), 3 cr MUSI 141 (Theory I), 3 cr MUSI Ensemble, 1 cr Specialty Course, 1-3 cr, if needed
	Second Semester (prior to admittance by the Department as major) MUSI 132 (Introduction to Computer Music), 3 cr MUSI 142 (Theory II), 3 cr MUSI Ensemble, 1 cr Specialty Course, 1-3 cr, if needed
Sophomore	First Semester MUSI 241 (Theory III), 3 cr MUSI Ensemble, 1 cr MUSI or MUSA Elective, 2 cr Specialty Course, 3 cr, if needed
	Second Semester MUSI 242 (Theory IV), 3 cr MUSI Ensemble, 1 cr Specialty Course, 3 cr, if needed
Junior	First Semester MUSI 331 (Counterpoint), 3 cr MUSI 335 (Orchestration), 3 cr MUSI 337 (History of Music I), 3 cr MUSI Ensemble, 1 cr MUSI or MUSA Elective, 2 cr Specialty Course, 3 cr, if needed
	Second Semester MUSI 300 (Junior Recital), 0 cr MUSI 333 (Form and Analysis), 3 cr MUSI 334 (Advanced Music Theory), 3 cr MUSI 338 (History of Music II), 3 cr MUSI Ensemble, 1 cr Specialty Course, 3 cr, if needed
Senior	First Semester MUSI or MUSA Approved Electives, 6 cr MUSI Ensemble, 1 cr Specialty Course, 3 cr, if needed
	Second Semester MUSI 400 (Senior Recital), 0 cr MUSI 431 (Conducting Fundamentals), 3 cr MUSI Ensemble, 1 cr Specialty Course, 3 cr, if needed MUSI or MUSA Approved Electives, 4 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN MUSIC
(WITH JAZZ SPECIALTY)
TOTAL CREDITS REQUIRED: 132**

CORE CURRICULUM (STANDARD)*	MAJOR (MUSIC)	OTHER REQUIREMENTS	SPECIALTY REQUIREMENTS
44 credits	54 credits	12 credits	22 credits
ENG 131 (3)**	MUSI 100 (1)	PE 1xx (1)	MUSI 228 (2)
ENG 132 (3)	MUSI 141 (3)	Foreign Languages (6)	MUSI 229 (2)
SC 135 or 136 (3)	MUSI 142 (3)	Electives (5)	MUSI 254 (3)
MATH 133 (3)	MUSI 241 (3)		MUSI 343 (3)
BIOL 143 (4)	MUSI 242 (3)		MUSI 480 (3)
GEOL 141	MUSI 300 (0)		plus
or PHYS 141 (4)	MUSI 253 (3)		MUSA Applied
ENG 2xx (3)	MUSI 333 (3)		Specialization Credits (9)
ART 131 (3)	MUSI 335 (3)		
HIST 231 (3)	MUSI 337 (3)		
HIST 232 (3)	MUSI 338 (3)		
POLS 231 (3)	MUSI 400 (0)		
POLS 232 (3)	MUSI 431 (3)		
PSY 131 or	plus		
SOC 157 or	MUSI Ensemble		
SOC 158 (3)	Credits (8)		
MUSI 132 (3) ^	plus		
	MUSA Applied		
	Specialization Credits (15)		

* 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.

^ MUSI 132 Intro to Computer Music substitutes for CS 116 as a core computer requirement.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN MUSIC (WITH JAZZ SPECIALTY)
BY LEVEL AND SEQUENCE**

Freshman

First Semester

MUSI 100 (Seminar I), 0 cr
MUSI 132 (Introduction to Computer Music), 3 cr
MUSI 141 (Theory I), 3 cr
MUSI Ensemble, 1 cr
MUSA 131, 3 cr

Second Semester

MUSI 100 (Seminar I), 0 cr
MUSI 142 (Theory II), 3 cr
MUSI Ensemble, 1 cr
MUSA 132, 3 cr

Sophomore

First Semester

MUSI 100 (Seminar I), 0 cr
MUSI 241 (Theory III), 3 cr
MUSI 253 (Jazz Theory), 3 cr
MUSI Ensemble, 1 cr
MUSA 231, 3 cr

Second Semester

MUSI 100 (Seminar I), 0 cr
MUSI 228 (Jazz Improvisation I), 2 cr
MUSI 242 (Theory IV), 3 cr
MUSI 254 (Jazz Composition), 3 cr
MUSI Ensemble, 1 crMUSA 232, 3 cr

Junior

First Semester

MUSI 100 (Seminar I), 1 cr
MUSI 229 (Jazz Improvisation II), 2 cr
MUSI 337 (History of Music I), 3 cr
MUSI 355 (Jazz Arranging), 3 cr
MUSI Ensemble, 1 cr
MUSA 331, 3 cr

Second Semester

MUSI 100 (Seminar I), 0 cr
MUSI 300 (Junior Recital), 0 cr
MUSI 333 (Form and Analysis), 3 cr
MUSI 338 (History of Music II), 3 cr
MUSI 343 (Jazz History), 3 cr
MUSI Ensemble, 1 cr
MUSA 332, 3 cr

Senior

First Semester

MUSI 100 (Seminar I), 0 cr
MUSI 480 (Business of Jazz), 3 cr
MUSI or MUSA Approved Electives, 3 cr
MUSI Ensemble, 1 cr
MUSA 431, 3 cr

Second Semester

MUSI 100 (Seminar I), 0 cr
MUSI 400 (Senior Recital), 0 cr
MUSI 431 (Conducting Fundamentals), 3 cr
MUSI or MUSA Approved Electives, 2 cr
MUSI Ensemble, 1 crMUSA 432, 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN THEATRE
(WITH SPECIALTY - NO MINOR REQUIRED)
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM (STANDARD)*	MAJOR (THEATRE)	SPECIALTY REQUIREMENTS	OTHER REQUIREMENTS
44 credits	57 credits	18 credits	8 credits
ENG 131 (3)**	THC 130 (3)	Select one of	Foreign
ENG 132 (3)	THC 151 (3)	the following sets:	Language (6)
SC 135 or 136 (3)	THC 231 (3)	Performance	PE 108 or 110 (1)
MATH 133 (3)	THC 252 (3)	THC 240 (3)	MUSI 173 (1)
BIOL 143 (4)	THC 337 (3)	THC 332 (3)	
GEOL 141	THC 338 (3)	THC 431 (3)	
or PHYS 141 (4)	THC 339 or	THC 450 (3)	
ENG 2xx (3)	THC 438 (3)	Approved Electives	
ART 131 (3)	THC 497 (12)	from ART, THC,	
HIST 231 (3)	THC 498 (12)	and MUSI (6)	
HIST 232 (3)	THC 499 (12)	Technical Theatre	
POLS 231 (3)		THC 251 (3)	
POLS 232 (3)		THC 331 (3)	
PSY 131 or		THC 334 (3)	
SOC 157 or		THC 450 (3)	
SOC 158 (3)		Approved Electives	
CS 116 (3)		from ART, THC,	
		and MUSI (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.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN THEATRE
BY LEVEL AND SEQUENCE**

Freshman	First Semester (prior to admittance by the Department as major) THC 130 (Introduction to Theatre), 3 cr
	Second Semester (prior to admittance by the Department as major) THC 151 (Basic Technical Theatre), 3 cr
Sophomore	First Semester THC 231 (Elements of Acting), 3 cr Specialty Courses, 6 cr
	Second Semester THC 252 (Stage Lighting), 3 cr THC 337 (History of Theatre I), 3 cr Specialty Course, 3 cr
Junior	First Semester THC 338 (History of Theatre II), 3 cr Specialty Courses, 6 cr
	Second Semester THC 339 (Black Drama) or THC 438 (Modern Drama), 3 cr THC 497 (Practicum I), 12 cr
Senior	First Semester THC 498 (Practicum II), 12 cr
	Second Semester THC 499 (Practicum III), 12 cr

DEPARTMENT OF HISTORY, GEOGRAPHY, AND ECONOMICS

The Department of History, Geography, and Economics is primarily responsible for the instruction of courses in History (HIST), Geography (GEOG), and Economics (ECON). In addition to course offerings in these disciplines, the Department also provides instruction in one Geology (GEOL) course offered through the University. To complement course offerings, **three undergraduate degrees, the Bachelor of Arts (B.A.) in History, the Bachelor of Arts (B.A.) in Economics, and the Bachelor of Arts (B.A.) in General Studies, and one graduate degree, the Master of Arts (M.A.) in History, may be earned through this instructional unit. Minors are available in History, Geography, Economics, and African American Studies for students majoring in a discipline that requires the declaration of a minor.** Members of the Department are housed on the third floor of Hannah Hall with the Department Office located in Room 340.

For detailed information on the Master of Arts in History, students are referred to the Graduate School Bulletin of Texas Southern University.

The Department has a diverse mission that encompasses three distinct academic disciplines. 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 the program of study in Economics, the Department is committed to providing students with a strong background in both macro and micro economics, as well as the tools to perform economic analysis of local, national, and international issues, including the price system, market analysis, labor force characteristics, the process of capital formation, and tax systems. 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. Through all programmatic offerings in the Department, students are prepared for careers in either the public sector or private industry, for post-graduate professional degrees (in law, medicine, or business, for example), and for graduate studies in either History or Economics. On a broader level, members of the Department view knowledge of history, geography, and economics as fundamental to the understanding of one's background and to developing an appreciation of diverse peoples and cultures as students are prepared to function effectively as citizens of their community, their nation, and the world.

In pursuing either the Bachelor of Arts in History or the Bachelor of Arts in Economics 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. Specific requirements for each undergraduate degree are presented elsewhere in this section, and students are cautioned that grades of "C" or better (where grades of "C-" are unacceptable) must be earned in all courses specified as either major courses or required courses for the minor selected. An exit examination is also required of graduating seniors, and all history majors must complete HIST 420 during their senior year. In addition, students seeking either one of the two B.A. degrees offered are strongly urged to seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum or other requirements for the degree sought could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.

Students wishing to pursue one of the two undergraduate degrees or one of the four minors offered through the Department must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Once admitted, students are each assigned an official faculty advisor who must be consulted with on a semesterly or term basis to ascertain progress toward graduation. 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 through enrollment in four (4) three-credit courses and nine (9) additional History credits 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 through enrollment in no less than 12 semester credit hours at the 300-level or 400-level. All students must enroll in GEOG 132 (3 semester credits), must enroll for 6 semester credits from each of the focus areas listed below, and must enroll for 6 semester credits of electives selected from either focus area. Focus area 1 for the minor in Geography focuses on Cultural/Human Geography and consists of the following three-credit courses that are described in detail elsewhere: GEOG 230, GEOG 231, GEOG 331, GEOG 332, GEOG 337, and GEOG 430. Focus area 2 for the minor in Geography focuses on Land Use Analysis and consists of the following courses that are described in detail elsewhere: GEOG 330 (3 credits), GEOG 338 (4 credits), GEOG 431 (3 credits), and GEOG 432 (3 credits).

For the minor in Economics, 21 semester credit hours are required. The following three-credit Economics courses are required for 12 of the 21 credits needed: ECON 231, ECON 232, ECON 330, and ECON 336. In addition, Economics minors must take 9 credits of upper-level Economics electives and MGSC 239 (3 credits and offered through the Jesse H. Jones School of Business). GEOG 332 (3 credits) may be substituted for one of the upper-level Economics electives.

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, 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 can not be simultaneously used to fulfill a major requirement.**

In summary, students must gain admission to the University, must satisfy ASSET requirements, and must petition the Department for major or minor status upon completion of ASSET 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>Batie, Clarence Instructor B.A., M.A., Prairie View A & M 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>
<p>Beeth, Howard O. Professor B.A., M.A., Temple University Ph.D., University of Houston</p>	<p>Maddox, Gregory H. Professor B.A., University of Virginia Ph.D., Northwestern University</p>
<p>Chaudhuri, Nupur Associate Professor B.A., University of Calcutta M. A.T., Smith College M.A., Ph.D., Kansas State University</p>	<p>Norman, Emlyn A. Assistant Professor B.A., University of New Brunswick M.A., Harvard University</p>
<p>Horvitz, Sigmund Professor A. B., M. A., Brown University L. L. B., University of Texas at Austin Ph.D., University of Houston</p>	<p>Pitre, Merline Professor B.S., Southern University M.A., Atlanta University M.A., Ph.D., Temple University</p>
<p>Kossie, Karen L. Associate Professor B.A., M.A., Rice University M.A., Michigan State University Ph.D., Rice University</p>	<p>Wintz, Cary D. Professor B.A., Rice University M.A., Ph.D., Kansas State University</p>

- 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. 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. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.
- HIST 430 Topics in U.S. 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 9 credits as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 431 Topics in European History (3)**
Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of European civilization. Prerequisites: HIST 231 and HIST 232.
- HIST 432 Topics in World History (3)**
Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.
- HIST 438 History of the South (3)**
Examination of the South, including Houston during and after slavery with particular emphasis on race relations as well as cultural and economic development. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 439 The United States since 1945 (3)**
Examination of the rapid social and political changes experienced by the United States since World War II with particular attention given to America's involvement in foreign affairs. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 447 Modern African American History (3)**
Examination of the background and events of the struggle for legal, political, and economic equality by African Americans up to the present day. Three hours of lecture per week. May be repeated as topics vary. Prerequisites: HIST 231 and HIST 232.
- HIST 451 Mexican American History (3)**
Examination of the Mexican-American people with special emphasis on Texas and the Southwest. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

- HIST 471** **The American Revolution** (3)
 Examination of the explosive political, social, and cultural developments between 1763 and 1789 which culminated in a war for independence and the adoption of the U. S. Constitution. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 478** **Slavery** (3)
 Examination of the political, social, economic, and cultural impact of slavery on the Western world. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 479** **Urban History of the United States** (3)
 Examination of the process of urbanization in American history with special emphasis on the role of ethnic minorities, Blacks, and Browns, in an urban nation. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
- HIST 481** **Topics in African History** (3)
 Series of specialized topics in African history. Topics include ancient African kingdoms, history of South Africa, and the Atlantic slave trade. May be repeated up to 6 credits as topics vary. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

GEOGRAPHY COURSES

- GEOG 132** **World Regional Geography** (3)
 Survey of the regions and nations of the planet and the geographical foundations of their physical and cultural characteristics. Three hours of lecture per week. **Listed as GEO 1303 in the Texas Common Course Numbering System.**
- GEOG 230** **Urban Geography** (3)
 Study of the form, function, land use, structure, and core-periphery relations of urban areas. Three hours of lecture per week.
- GEOG 231** **Geography of North America** (3)
 Geographical analysis of the nations of North American. 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 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)
 Consideration of oceans, rivers, and highways as carriers of trade and of factors of location, minerals, and population as determinants in the commercial development of our civilization. Three hours of lecture per week.
- GEOG 337** **Geography of Asia** (3)
 Survey of the geography of Asia with emphasis on the Middle East, Far East, and Indochina. Three hours of lecture per week.

- GEOG 338** **Geographic Information Systems** (4)
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.
- GEOG 430** **The People and Culture of Africa** (3)
Integrated overview of the African cultural history, social organizations, economic and political geography. Three hours of lecture per week.
- GEOG 431** **Geography of Health and Disease** (3)
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.
- GEOG 432** **Geography and Transportation** (3)
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.

GEOLOGY COURSE

- GEOL 141** **Introduction to the Earth** (4)
Introduction to the study of the earth: the evolution of its landscapes, its weather, its climate, and its place in the universe. Three hours of lecture and one hour of laboratory per week. **Listed as GEOL 1403 in the Texas Common Course Numbering System.**

ECONOMICS COURSES

- ECON 131** **Introductory Economics** (3)
Study of the American macro and micro economic system and the basic economic principles which underlie the production, distribution, and consumption of goods and services. 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)
Introduction to macro economic analysis pertaining to the overall performance of the economy. Emphasis on measurement of aggregate output, determination of the level of income and employment, and evaluation of various monetary and fiscal policies of government. Three hours of lecture per week. Prerequisites: 6 semester credits of Mathematics. **Listed as ECON 2301 in the Texas Common Course Numbering System.**
- ECON 232** **Principles of Economics II** (3)
Introduction to micro economic analysis of pricing and output decisions, resource allocation, market structure, income distribution, and international trade. Problems of agriculture, labor unions, and other sectors of the economy addressed. Three hours of lecture per week. Prerequisites: 6 semester credits of Mathematics. **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 ECON 232.	
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: 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN HISTORY
TOTAL CREDITS REQUIRED: 131-134**

CORE CURRICULUM (STANDARD)*	MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	30 credits	36 to 39 credits	21 credits
ENG 131 (3)**	HIST 131 (3)	ECON 231 (3)	Contact either
ENG 132 (3)	HIST 132 (3)	ECON 232 (3)	the Faculty Chair
SC 135 or 136 (3)	HIST 331 or 332 (3)	ENG 2xx (3)	or the
MATH 136 (3)	HIST 420 (3)	Foreign	Faculty Advisor for
BIOL 143 (4)	HIST 3rd World	Language (12)^**	recommendations
GEOL 141 (4)	Elective (3)	GEOG 132 (3)	regarding the
ENG 2xx (3)	HIST Electives (15)	GEOG Elective (3)	choice of
Visual &		MATH 231 (3)	a minor.
Performing		SOC 157 (3)	
Arts (3)***		SOC 158 (3)	
HIST 231 (3)		SOC 359 (3)	
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
Social &			
Behavioral			
Sciences (3)****			
CS 116 (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 one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**** Select one of the following: PSY 131; SOC 221; or SOC 238.

^** The foreign language credits required may be substituted by (9) additional CS credits to accompany CS 116 (3). When this substitution is made, the total credits needed for conferral of the degree will decrease by (3) credits. All students must have a minimum of 124 credit hours to graduate.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF ARTS DEGREE IN HISTORY
BY LEVEL AND SEQUENCE**

Freshman

First Semester

GEOG 132 (World Regional Geography), 3 cr
HIST 231 (Social and Political History of the U.S. to 1877), 3 cr
SOC 157 (Introduction to Sociology), 3 cr

Second Semester

GEOL 141 (Introduction to the Earth), 4 cr
HIST 232 (Social and Political History of the U.S. since 1877), 3 cr
SOC 158 (Contemporary Social Issues), 3 cr

Sophomore

First Semester

HIST 131 (Man and Civilization I), 3 cr
GEOG Elective, 3 cr
ECON 231 (Principles of Economics I), 3 cr

Second Semester

HIST 132 (Man and Civilization II), 3 cr
ECON 232 (Principles of Economics II), 3 cr

Junior

First Semester

HIST 331 (Modern Europe from 1450 to 1815), 3 cr, or
HIST 332 (Modern Europe since 1815), 3 cr
HIST Elective, 3 cr

Second Semester

HIST Elective, 3 cr
SOC 359 (Sociological Research), 3 cr

Senior

First Semester

HIST 420 (Capstone Seminar), 3 cr
HIST Elective, 3 cr

Second Semester

HIST Electives, 6 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN ECONOMICS
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*	MAJOR (ECONOMICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	24 credits	21 credits
ENG 131 (3)**	ECON 231 (3)	ACCTG 231 (3)	Contact either
ENG 132 (3)	ECON 232 (3)	ACCTG 232 (3)	the Faculty Chair
SC 135 or 136 (3)	ECON 330 (3)	ENG 2xx (3)	or the
MATH 136 (3)	ECON 336 (3)	CS 117 (3)	Faculty Advisor for
BIOL 143 (4)	ECON 440 (3)	MATH 231 (3)	recommendations
GEOL 141 (4)	ECON 443 (3)	MGSC 239 (3)	regarding the
ENG 2xx (3)	Upper Level	MGSC 331 (3)	choice of
Visual & Performing Arts (3)***	ECON Electives (18)		a minor.
HIST 231 (3)	NOTE: GEOG 332 may be used		
HIST 232 (3)	as an ECON		
POLS 231 (3)	elective.		
POLS 232 (3)			
Social & Behavioral Sciences (3)****			
CS 116 (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 one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**** Select one of the following: PSY 131; SOC 157; SOC 158; SOC 221; or SOC 238.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF ARTS DEGREE IN ECONOMICS
BY LEVEL AND SEQUENCE**

Freshman

First Semester

HIST 231 (Social and Political History of the U.S. to 1877), 3 cr
MATH 136 (Pre-calculus Mathematics), 3 cr

Second Semester

HIST 232 (Social and Political History of the U.S. since 1877), 3 cr
MATH 231 (Introduction to Statistics), 3 cr

Sophomore

First Semester

ECON 231 (Principles of Economics I), 3 cr
MGSC 239 (Business Statistics I), 3 cr

Second Semester

ECON 232 (Principles of Economics II), 3 cr

Junior

First Semester

ECON 330 (Intermediate Microeconomics), 3 cr
ECON 336 (Intermediate Macroeconomics), 3 cr
MGSC 331 (Business Statistics II), 3 cr

Second Semester

ECON Upper Level Electives, 6 cr

Senior

First Semester

ECON 440 (Managerial Economics), 3 cr
ECON Upper Level Electives, 6 cr

Second Semester

ECON 443 (Economics of Development), 3 cr
ECON Upper Level Electives, 6 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
ADMINISTRATION TRACK
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM (STANDARD)*	MAJOR (GENERAL STUDIES)	SPECIALTY REQUIREMENTS	OTHER REQUIREMENTS
44 credits	54 credits	21 credits	8 credits
ENG 131 (3)**	ECON 231 (3)	BADM 101 (3)	ENG 2xx (3)
ENG 132 (3)	ECON 232 (3)	BADM 234 (3)	HED 223 (2)
SC 135 or 136 (3)	CS 117 (3)	PA 271 (3)	Electives (3)^^**
MATH 133 (3)	CS 216 (3)	PA 312 (3)	
BIOL 143 or PHYS 141 (4)	MATH 135 (3)	PA 313 (3)	
CHEM 111, 131 (4)	MATH 136 (3)	PA 321 (3)	
ENG 2xx (3)	SC 131 (3)	PA 400 (3)	
Visual &	SC 232 or 236 (3)		
Performing	SC 330, 332, or 338 (3)		
Arts (3)***	SC 434 or 438 (3)		
HIST 231 (3)	MGSC 238, PSY 234,		
HIST 232 (3)	or SOC 354 (3)		
POLS 231 (3)	SOC 158 or 254 (3)		
POLS 232 (3)	SOC 322 or 335 (3)		
Social &	ENG 301 or 338 (3)		
Behavioral	PSY 332 or 432 (3)		
Sciences (3)****	ECON 332 (3)		
CS 116 (3)	ECON 436 (3)		
	ECON 440 (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 one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**** Select one of the following: PSY 131; SOC 221; or SOC 238.

^^** Select these credits from Foreign Languages, Economics, or Fine Arts.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
CULTURAL STUDIES TRACK
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM (STANDARD)*	MAJOR (GENERAL STUDIES)	SPECIALTY REQUIREMENTS	OTHER REQUIREMENTS
44 credits	51 credits	18 credits	14 credits
ENG 131 (3)**	ART 137 (3)	SPAN 231 (3)	SOC 211 (1)
ENG 132 (3)	ART 139 (3)	SPAN 232 (3)	HED 233 (2)
SC 135 or 136 (3)	SPAN 131 (3)	SPAN 335 or 336 (3)	PE 1xx (1)
MATH 133 (3)	SPAN 132 (3)	HIST 438 (3)	SC 110 (1)
BIOL 143 or PHYS 141 (4)	HIST 131 (3)	HIST 479 (3)	GEOG 337 (3)
CHEM 111, 131 (4)	HIST 132 (3)	POLS 381 (3)	POLS 380 (3)
ENG 2xx (3)	SC 230 (3)		Elective (3)
Visual &	HIST 349 (3)		
Performing	THC 339 (3)		
Arts (3)***	POLS 360 (3)		
HIST 231 (3)	SC 436 (3)		
HIST 232 (3)	ENG 437 (3)		
POLS 231 (3)	ENG 440 (3)		
POLS 232 (3)	ENG 441 (3)		
Social &	PHIL 431 (3)		
Behavioral	POLS 410 (3)		
Sciences (3)****	POLS 499 (3)		
CS 116 (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 one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**** Select one of the following: PSY 131; SOC 221; or SOC 238.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
ADMINISTRATION TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

ENG 131 (Freshman English I), 3 cr
CS 116 (Introduction to Computer Science I), 3 cr
MATH 133 (College Algebra), 3 cr
Social & Behavioral Sciences Course, 3 cr
Visual & Performing Arts Course, 3 cr

Second Semester

BADM 101 (Introduction to Business, Government, & Society), 3 cr
CS 117 (Introduction to Computer Science II), 3 cr
ENG 132 (Freshman English II), 3 cr
MATH 135 (Mathematics for Business & Economics Analysis), 3 cr
SC 131 (Fundamentals of Speech Communication), 3 cr

Sophomore

First Semester

BADM 234 (Legal and Regulatory Environment of Business), 3 cr
CS 216 (Advanced Applications I), 3 cr
MATH 136 (Precalculus Mathematics), 3 cr
ECON 231 (Principles of Economics I), 3 cr
Sophomore English (ENG) Course, 3 cr
SC 135 (Business & Professional Communication), 3 cr

Second Semester

ECON 232 (Principles of Economics II), 3 cr
Sophomore English (ENG) Course, 3 cr
Sophomore Speech Communication (SC) Course, 3 cr
SOC 158 (Contemporary Social Issues) or SOC 254 (Black Perspectives in Society), 3 cr
PA 271 (Introduction to (Public Administration), 3 cr

Junior

First Semester

ENG 301 (Grammar Review Workshop) or ENG 338 (Advanced Composition), 3 cr
MGSC 239 (Business Statistics), or PSY 254 (Elementary Statistics),
or SOC 354 (Sociological Statistics), 3 cr
SOC 322 (Social Psychology) or SOC 335 (Ethnic Groups in Society), 3 cr
PA 312 (Public Budgeting), 3 cr

Second Semester

ECON 332 (Labor Economics), 3 cr
Junior Level Speech Communication (SC) Course, 3 cr
PA 313 (Organization Behavior & Management), 3 cr
PA 321 (Personnel Administration), 3 cr
PSY 332 (Voc & Industrial Psychology) or PSY 432 (Social Psychology), 3 cr

Senior

First Semester

ECON 436 (Urban Economics), 3 cr
Natural Science Course, 4 cr
PA 400 (Program Evaluation), 3 cr

Second Semester

ECON 440 (Managerial Economics), 3 cr
Natural Science Course, 4 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF ARTS DEGREE IN GENERAL STUDIES
CULTURAL STUDIES TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

ART 137 (Introduction to African Art), 3 cr
CS 116 (Introduction to Computer Science I), 3 cr
ENG 131 (Freshman English I), 3 cr
MATH 133 (College Algebra), 3 cr
SPAN 131 (Elementary Spanish I), 3 cr

Second Semester

ENG 132 (Freshman English II), 3 cr
Natural Science Course, 4 cr
Social & Behavioral Sciences Course, 3 cr
SPAN 132 (Elementary Spanish II), 3 cr
Visual & Performing Arts Course, 3 cr

Sophomore

First Semester

ART 139 (African American Art & Culture), 3 cr
CHEM 111, 131 (General Chemistry Laboratory & Lecture), 4 cr
HIST 131 (Man & Civilization I), 3 cr
POLS 231 (American Political Systems I), 3 cr
SC 135 (Business & Professional Communication), 3 cr

Second Semester

Sophomore English (ENG) Course, 3 cr
HED 233 (History & Principles of Health), 2 cr
HIST 132 (Man & Civilization II), 3 cr
POLS 232 (American Political Systems II), 3 cr
SC 230 (Urban Rhetorical Patterns), 3 cr
SPAN 231 (Intermediate Spanish I), 3 cr

Junior

First Semester

GEOG 337 (Geography of Asia), 3 cr
HIST 349 (Women's History), 3 cr
POLS 360 (Political Systems of Africa), 3 cr
SPAN 232 (Intermediate Spanish II), 3 cr

Second Semester

POLS 380 (Political Systems of Latin America), 3 cr
POLS 381 (Dynamics of Latin America), 3 cr
SPAN 335 or 336 (Introduction to Latin American Literature I or II), 3 cr
THC 339 (Black Drama), 3 cr

Senior

First Semester

ENG 437 (Principles of Literary Criticism), 3 cr
ENG 440 (African American Poets & Dramatists: The Female Writers), 3 cr
HIST 438 (History of the South), 3 cr
POLS 410 (Politics in Black America), 3 cr
SC 436 (Black Rhetoric), 3 cr

Second Semester

ENG 441 (African American Literature: Fiction & Criticism), 3 cr
HIST 479 (Urban History of the U.S.), 3 cr
PHIL 431 (Aesthetics), 3 cr
POLS 499 (Seminar in Women's Political Issues), 3 cr

DEPARTMENT OF HUMAN SERVICES AND CONSUMER SCIENCES

The Department of Human Services and Consumer Sciences was formerly known as the Department of Home Economics at Texas Southern University. Through this instructional unit, courses in five different academic disciplines are offered: Child and Family Development (CFDV), Foods and Nutrition (FN), and Human Services and Consumer Sciences (HSCS). To complement these offerings, **the Bachelor of Science (B.S.) in Dietetics, 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 are offered. A minor in Human Services and Consumer Sciences is also available to students pursuing undergraduate degrees in other academic units that require the declaration of a minor.** Members of the Department are housed in the Cecilia Scott Lane Building with the Department Office located in Room 103 of that facility.

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.

In pursuing either **the B.S. in Dietetics or the B.S. in Human Services and Consumer Sciences, students are not required to declare a minor in a second academic discipline.** The B.S. in Dietetics is comprehensive in scope. It meets the basic academic requirements and is accredited by the Commission on Accreditation for Dietetic Education of the American Dietetic Association. **For the B.S. in Human Services and Consumer Sciences, students may focus on one of four possible tracks leading toward completion of the degree: Apparel Design and Merchandising, Child and Family Development, Comprehensive Human Services-Family and Consumer Sciences, and Foods and Nutrition.** Specific requirements for the two undergraduate degrees are presented below, **and students are cautioned that grades of “C” or better (where grades of “C-” are unacceptable) must be earned in all courses specified as major courses. An exit examination is required of all graduating seniors.**

The mission of the Department of Human Services and Consumer Sciences is to prepare students for professional careers in a variety of areas related to dietetics, nutrition, and human services as well as to prepare them for graduate and professional schools where they may continue their studies. In realizing this mission, members of the Department seek to achieve the following objectives: (1) to develop pre-professional competencies to enable students to gain entry to dietetic and professional internships; (2) to provide basic knowledge and understanding in the areas of Human Services and Consumer Sciences in light of social, psychological, technical, and economic forces based on cultural adaptation in our society; (3) to assist students in the development of intellectual skills and the mastery of leading ideas pertinent to the development of individuals and families; (4) to assist students in preparing for future roles in micro and macro environments; and (5) to provide educational programs for a variety of urban constituents. Students should contact the Departmental Office regarding career opportunities available to graduates; however, a few are mentioned here: director of early childhood center, child development specialist, case worker in Human Resources agencies, registered dietitian, family life consultant, aging consultant, and family counselor in private and governmental agencies.

Students wishing to pursue one of the two undergraduate degrees or the minor offered through the Department must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Once admitted, students are each assigned an official faculty advisor who must be consulted with on a semesterly or term basis to ascertain progress toward completion of degree (major) 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.**

The minor offered in Human Services and Consumer Sciences is unique in that it offers students the opportunity to choose one of three tracks comparable to those available for the B.S. in Human Services and Consumer Sciences. These tracks are as follows: Child and Family Development, Comprehensive Human Services, and Foods and Nutrition. The various tracks for the minor are specified below. **Grades of “C” or better (where grades of “C-” are unacceptable) must be earned in all courses referenced for the minor.**

For the **Child and Family Development track 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 elective credits at the 300-level or 400-level.

For the **Comprehensive Human Services/Family and Consumer Sciences track 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), HSCS 436 (3 credits), and six (6) additional HSCS, CFDV, CT, or IN elective credits at the 300-level or 400-level.

For the **Foods and Nutrition track 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 253L (2 credits), FN 337 (3 credits), and twelve (12) additional FN elective credits at the 300-level or 400-level.

In summary, students must gain admission to the University; must satisfy TASP requirements; and must petition the Department for major or minor status upon completion of TASP requirements. Each student admitted is assigned an official advisor, and an exit examination is required of graduating seniors. The Department Office should be contacted at (713)-313-7230 for further details.

REGISTRATION REQUIREMENTS FOR DIETITIANS

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. Academic requirements include completion of the American Dietetic Association's Didactic Program in Dietetics and a minimum of a baccalaureate or undergraduate degree from a United States regionally accredited college or university.
2. Upon graduation and verification of completion of the didactic program in dietetics, students may apply for Dietetic Internships or Pre-Professional Practice (AP4) Programs to establish eligibility for active membership in the American Dietetic Association (ADA) and/or take the Registration Examination.
3. Supervised Practice Requirements include completion of one of the experience pathways approved by the American Dietetic Association: Accredited Dietetic Internships or Pre-Professional Practice Program (AP4).
4. A listing of Currently Accredited Practice Programs is published in the Directory of Dietetic Programs annually by the American Dietetic Association (ADA). A copy of this listing is available in the office the director of the Didactic Program in Dietetics in the Department of Human Services and Consumer Sciences at Texas Southern University.
5. Registration is attained by successfully passing the Registration Examination for Dietitians. Continuing education participation is mandatory for maintenance of registration. Registered dietitians must accumulate 75 hours of approved continuing education every five (5) years.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Ahmed, Selina Associate Professor B.Sc., M.Sc., College of Home Economics, Dacca, Bangladesh Ph.D., Texas Women's University</p>	<p>Morgan, Annie, R.D., L.D. Instructor, Director of Didactic Program in Dietetics B.S., Grambling State University M.S., University of Nebraska</p>
<p>Hammonds-Smith, Maxine Professor B.S., Alabama A & M University M.S., Ph.D., Iowa State University</p>	<p>Nealy, Shirley Professor B.S., Florida A & M University M.A., Ph.D., Ohio State University</p>
<p>Henderson, Bobbie A. Associate Professor B.A., Fisk University M.A., Texas Southern University Ph.D., University of Wisconsin-Madison</p>	<p>Oates, D. Vantrice Instructor B.S., M.A., Ed.D., Texas Southern University</p>
<p>Hodges, Dora B. Instructor. B.S., M.S., Texas Southern University</p>	

CFDV 335	Independent Study (3) Independent study in area of specialization. Prerequisites: Junior standing and consent of instructor.
CFDV 431	Theories in Child Development (3) 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 or consent of the instructor.
CFDV 432	Children's Literature (3) 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 or consent of the instructor.
CFDV 433	Multicultural Strategies (3) 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 or consent of the instructor.
CFDV 434	Practicum I (3) Educationally directed and supervised practical experience in an early childhood setting or family service agency. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 or consent of the instructor.
CFDV 435	Child Nutrition (3) 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 or consent of the instructor.
CFDV 436	Parenting (3) 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 or consent of the instructor.
CFDV 437	Seminar in Child & Family Development (4) In Area of Specialization: Issues, Problems, and Topics related to Child and Family Development. Prerequisites: Senior standing and consent of the instructor.

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 141	Basic Clothing Concepts (2) Study of basic clothing construction. Two hours of lecture per week.
CT 141L	Basic Clothing Concepts Laboratory (2) Laboratory course to accompany CT 141. Four hours of laboratory per week.
CT 243	Textiles I (3) Study of fiber properties, yarns, fabric structures, and finishes as related to serviceability. Three hours of lecture per week.
CT 243L	Textiles I Laboratory (1) Laboratory course to accompany CT 243. Two hours of laboratory per week.

FOODS AND NUTRITION COURSES

- FN 111 Introduction to Dietetics (1)**
Introduction to Dietetics and the American Dietetic Association (ADA), including its purpose, membership requirements, professional ethics, and by-laws, and career opportunities in dietetics, food service industries, and health care facilities. One hour of lecture per week.
- FN 233 Elementary Nutrition (3)**
Fundamental concepts of nutrition: terminology, physical and chemical properties of nutrients, food sources and functions. The body's utilization of food, nutrients, and calories (absorption, transport, and metabolism) included. Three hours of lecture per week.
- FN 253 Meal Management (3)**
Application of nutritional knowledge to: basic menu planning; food purchasing and storage; basic techniques of food preparation and service; evaluation of family meals at various income levels; and experiences in meal service for various occasions. One hour of lecture and four hours of laboratory per week.
- FN 333 Diet Therapy for Health Professionals (3)**
Introduction to scientific principles and practices in the dietary care of patients during various stages of the life cycle. Emphasis on: team approach, nutrition assessment, documenting and charting, diet modification, and counseling. Three lecture hours per week. Prerequisite: FN 233 or consent of instructor.
- FN 336 Independent Study in Dietetics (3)**
Independent study in area of specialization. Prerequisite: Consent of Faculty Chair or instructor.
- FN 337 Human Nutrition (3)**
Advanced study of fundamental nutrition concepts (nutrients, digestion, absorption, metabolism, and fluid); electrolytes, and acid-base balances as they relate to the chemistry and physiology of the human body throughout the life cycle. Three hours of lecture per week. Prerequisites: FN 233, BIOL 245, CHEM 143, and CHEM 231.
- FN 341 Management Principles of Food Service Systems (4)**
Study of: organization and management theories, functions, and applications; food service organization; safety and sanitation policies; equipment selection, layout, and design; consumer protection laws; regulations, laws, and standards affecting dietetic practice. Three hours of lecture and two hours of laboratory per week.
- FN 343 Junior Seminar in Dietetics (4)**
Comprehensive review of dietetics academic core and pre-professional requirements: emphasis on nutrition, medical nutrition therapy and principles/theories and food service management concepts. Three hours of lecture and two hours of laboratory per week. Prerequisite: CHEM 132, CHEM 231, BIOL 132, BIOL 245, FN 233, FN 253, FN 333, FN 337, FN 341.
- FN 413 Independent Study in Dietetics (1)**
Independent study in area of specialization. Prerequisite: Consent of Faculty Chair or instructor.
- FN 414 Seminar in Foods and Nutrition (1)**
Presentations on professional ethics, American Dietetic Association (ADA) standards, computer applications in problem solving, and interviewing techniques. Oral presentation required. One hour of lecture per week. Prerequisite: Senior standing. **Offered as needed.**
- FN 427 Independent Study in Dietetics (2)**
Independent study in area of specialization. Prerequisite: Consent of Faculty Chair or instructor.

- FN 428 Nutrition Education (2)**
Learning theories, observations, and techniques used in applying educational methodology, strategies, and competencies related to effective communication and documentations in methods of teaching; interviewing and counseling individuals and groups. One hour of lecture and two hours of laboratory per week. Prerequisite: Senior standing.
- FN 432 Nutrition in Disease I (3)**
Modifications of normal diets and the application of scientific principles of human nutrition in health and disease; latest developments in dietary treatment of disease; interviewing and counseling, diet instruction; charting. Emphasis on quality assurance, adequacy of modified diets, and nutritional care to patients with clinical problems. Two hours of lecture and two hours of laboratory per week. Prerequisites: FN 333 and FN 337.
- FN 433 Nutrition in Disease II (3)**
Continuation of FN 432. Two hours of lecture and two hours of laboratory per week. Prerequisite: FN 432.
- FN 434 Experimental Foods (3)**
Physical and chemical properties of basic food materials and processes by which they are prepared for consumption; application of scientific methods of inquiry to designing, implementing, evaluating, and reporting research results. Research paper required. One hour of lecture and four hours of laboratory per week. Prerequisites: Senior standing and BIOL 347.
- FN 436 Community Nutrition (3)**
Fundamentals of nutritional care delivery systems in community health programs and services with special references to nutritional problems of indigent population groups. Practical approach to nutrition education, interviewing, counseling, and changing food habits. Two hours of lecture and two hours of laboratory per week. Prerequisite: Senior standing.
- FN 437 Senior Seminar in Dietetics (3)**
Seminar in area of specialization: Special issues, problems, and topics related to dietetics, foods, and nutrition. Prerequisites: Senior standing and consent of the instructor.
- FN 441 Organization Management of Food Service Systems (4)**
Application of organization and management principles and techniques of financial management in food service systems. Emphasis on budgets, operating costs, forecasting, computer applications, quality assurance, and procurement. Two hours of lecture and four laboratory hours per week. Prerequisite: FN 341.
- FN 442 Independent Study in Dietetics (4)**
Independent study in area of specialization. Prerequisite: Consent of Faculty Chair or instructor.
- FN 461 Quantity Cookery (6)**
Application of principles of menu planning and large quantity food processing, production, and distribution according to established quality standards for individuals and groups in health and disease. Three hours of lecture and six hours of laboratory per week. Prerequisite: FN 341.

HUMAN SERVICES AND CONSUMER SCIENCES COURSES

- HSCS 233 Human Physio-Psychosocial Well Being (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 these concepts. Three hours of lecture per week.

HSCS 334	Career Opportunities (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.
HSCS 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.
HSCS 411	Independent Study (1) Independent study in an area of specialization. Prerequisite: Consent of the Faculty Chair or instructor.
HSCS 420	Independent Study (2) Independent study in an area of specialization. Prerequisite: Consent of the Faculty Chair or instructor.
HSCS 430	Research in Human Services and Consumer Sciences (3) Senior project and intensive study in student's area of specialization and interest. Three hours of lecture per week. Prerequisites: Senior standing and consent of the instructor.
HSCS 431	Aging and Health Needs (3) Analyzation 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. Prerequisites: Senior standing and consent of the instructor.
HSCS 432	Program Planning in Human Services and Consumer Sciences (3) Organization, planning, and implementation of vocational programs. Emphasis on structure, delivery methods, resources, and evaluation. Three hours of lecture per week. Prerequisite: Senior standing.
HSCS 434	Occupational Programs (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. Prerequisites: Junior standing and consent of the instructor.
HSCS 435	Planning for Vocational Programs (3) Selecting strategies for delivering materials based on theories of learning and theories of human development that reflect a professional philosophy of family science. Three hours of lecture per week.
HSCS 436	Consumer 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. Prerequisites: HSCS 233 and consent of the instructor.
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. Prerequisite: Advanced senior standing or consent of the instructor.
HSCS 438	Family and Consumer Economics (3) Study of consumer management principles and income distribution patterns relative to time and money use decisions by the family. Three hours of lecture per week. Prerequisites: HSCS 233 or consent of the instructor.
HSCS 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. Prerequisites: HSCS 233 and HSCS 436 or consent of the instructor.

- HSCS 439L **Family and Community Services Laboratory** (2)
Practicum to accompany HSCS 439. Four hours per week. Prerequisites: HSCS 233 and HSCS 436 or consent of the instructor.
- HSCS 440 **Independent Study** (4)
Independent study in area of specialization. Prerequisite: Consent of the Faculty Chair or instructor.
- HSCS 441 **Capstone in Family and Consumer Sciences** (4)
Comprehensive study of the integrative, synergistic nature of the field of family sciences from a historical, theoretical, and practical perspective. Prerequisite: Consent of the Faculty Chair or instructor.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN DIETETICS
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM* (STANDARD)	MAJOR (DIETETICS)	OTHER REQUIREMENTS
44 credits	48 credits	36 credits
ENG 131 (3)**	FN 111 (1)	BIOL 131 (3)
ENG 132 (3)	FN 233 (3)	BIOL 132 (3)
SC 135 or 136 (3)	FN 253 (3)	BIOL 245 (4)
MATH 133 (3)	FN 333 (3)	BIOL 347 (4)
CHEM 111, 131 (4)	FN 337 (3)	CHEM 211, 231 (4)
CHEM 112, 132 (4)	FN 341 (4)	CHEM 343 (4)
ENG 2xx (3)	FN 343 (4)	HED 233 (2)
MUSI 239 (3)	FN 428 (2)	HSCS 233 (3)
HIST 231 (3)	FN 432 (3)	HSCS 432 (3)
HIST 232 (3)	FN 433 (3)	HSCS 437 (3)
POLS 231 (3)	FN 434 (3)	MATH 134 or 135 (3)
POLS 232 (3)	FN 436 (3)	
SOC 238 (3)	FN 437 (3)	
CS 116 (3)	FN 441 (4)	
	FN 461 (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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN DIETETICS
BY LEVEL AND SEQUENCE**

Freshman	First Semester FN 111 (Introduction to Dietetics), 1 cr FN 233 (Elementary Nutrition), 3 cr
	Second Semester FN 253 (Meal Management), 3 cr
Sophomore	First Semester FN 333 (Diet Therapy for Health Professionals), 3 cr HSCS 233 (Human Physio-Psychosocial Well Being), 3 cr
	Second Semester FN 337 (Human Nutrition), 3 cr
Junior	First Semester FN 341 (Management Principles of Food Service Systems), 4 cr
	Second Semester FN 343 (Dietetics), 4 cr
Senior	First Semester FN 428 (Nutrition Education), 2 cr FN 432 (Nutrition in Disease I), 3 cr FN 434 (Experimental Foods), 3 cr FN 436 (Community Nutrition), 3 cr FN 461 (Quantity Cookery), 6 cr
	Second Semester FN 433 (Nutrition in Disease II), 3 cr FN 437 (Senior Seminar in Dietetics), 3 cr FN 441 (Organization Management of Food Service Systems), 4 cr HSCS 432 (Program Planning in Human Services and Consumer Sciences), 3 cr HSCS 437 (Statistics), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND
CONSUMER SCIENCES
CHILD AND FAMILY DEVELOPMENT TRACK
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM* (STANDARD)	MAJOR (CHILD AND FAMILY DEVELOPMENT)	OTHER REQUIREMENTS
44 credits	39 credits	41 credits
ENG 131 (3)**	CFDV 233 (3)	CT 130 (3)
ENG 132 (3)	CFDV 234 (3)	FN 233 (3)
SC 135 or 136 (3)	CFDV 235 (3)	HED 233 (2)
MATH 133 (3)	CFDV 331 (3)	HSCS 233 (3)
BIOL 143 (4)	CFDV 332 (3)	HSCS 430 (3)
GEOL 141 (4)	CFDV 333 (3)	HSCS 436 (3)
ENG 2xx (3)	CFDV 334 (3)	MATH 134 or 235 (3)
MUSI 239 or	CFDV 431 (3)	MUSI 339 (3)
THC 130 (3)	CFDV 432 (3)	SPAN 131 or FR 131 (3)
HIST 231 (3)	CFDV 433 (3)	SPED 309 (3)
HIST 232 (3)	CFDV 434 (3)	Restricted Electives (12)
POLS 231 (3)	CFDV 435 (3)	
POLS 232 (3)	CFDV 436 (3)	
PSY 131 or		
SOC 157 (3)		
CS 116 (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND
CONSUMER SCIENCES
COMPREHENSIVE - FAMILY AND CONSUMER SCIENCES TRACK
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM* (STANDARD)	MAJOR (CHILD & FAMILY DEV.)	OTHER REQUIREMENTS
44 credits	37 credits	46 credits
ENG 131 (3)	HSCS 233 (3)	AD 130, 130L (3)
ENG 132 (3)	HSCS 334 (3)	AD 131, 131L (3)
SC 135 or 136 (3)	HSCS 335 (3)	CFDV 233 (3)
MATH 133 (3)	HSCS 430 (3)	CFDV 234 (3)
BIOL 143 (4)	HSCS 431 (3)	CFDV 235, 235L (3)
GEOL 141 (4)	HSCS 432 (3)	CT 130 (3)
ENG 2xx (3)	HSCS 434 (3)	CT 141, 141L (4)
ART 131 (3)	HSCS 435 (3)	CT 243, 243L (5)
HIST 231 (3)	HSCS 436 (3)	FN 233 (3)
HIST 232 (3)	HSCS 438 (3)	FN 253, 253L (3)
POLS 231 (3)	HSCS 439, 439L (3)	FN 341, 341L (4)
POLS 232 (3)	HSCS 441 (4)	HED 233 (2)
PSY 131 or		MATH 134 (3)
SOC 157 (3)		SPAN 131 (3)
CS 116 (3)		Restricted Electives (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND
CONSUMER SCIENCES
FOODS AND NUTRITION TRACK
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM* (STANDARD)	MAJOR (FOODS AND NUTRITION)	OTHER REQUIREMENTS
44 credits	44 credits	39 credits
ENG 131 (3)	FN 111 (1)	AD 130, 130L or
ENG 132 (3)	FN 233 (3)	ART 370 or 371 (3)
SC 135 or 136 (3)	FN 253 (3)	BIOL 131 (3)
MATH 133 (3)	FN 333 (3)	BIOL 132 (3)
CHEM 111, 131 (4)	FN 337 (3)	CFDV 233 (3)
CHEM 112, 132 (4)	FN 341 (4)	CHEM 211, 231 (4)
ENG 2xx (3)	FN 343 (4)	CT 130 (3)
MUSI 239 (3)	FN 414 (1)	HED 233 (2)
HIST 231 (3)	FN 432 (3)	HSCS 233 (3)
HIST 232 (3)	FN 433 (3)	HSCS 430 (3)
POLS 231 (3)	FN 434 (3)	HSCS 436 (3)
POLS 232 (3)	FN 437 (3)	MATH 134 or 135 (3)
SOC 238 (3)	FN 441 (4)	Restricted Electives (6)
CS 116 (3)	FN 461 (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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES
CHILD AND FAMILY DEVELOPMENT TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

AD 130 (Environmental Design), 2 cr
AD 130L (Environmental Design Laboratory), 1 cr
HSCS 233 (Human Physio-Psychosocial Well Being), 3 cr

Second Semester

CFDV 233 (Family Relationships), 3 cr
CT 130 (Clothing Behavior), 3 cr

Sophomore

First Semester

CFDV 234 (Survey of Early Childhood Development), 3 cr
FN 233 (Elementary Nutrition), 3 cr

Second Semester

CFDV 235 (Interaction with Young Children), 3 cr

Junior

First Semester

CFDV 331 (Multicultural Strategies), 3 cr
CFDV 332 (Children's Play: Development and Role), 3 cr

Second Semester

CFDV 333 (Methods and Procedures in Early Childhood Development), 3 cr
CFDV 334 (Pre-Adolescence and Adolescent Development), 3 cr
CFDV 431 (Theories in Child Development), 3 cr
CFDV 435 (Child Nutrition), 3 cr

Senior

First Semester

CFDV 432 (Children's Literature), 3 cr
CFDV 433 (Methods of Child Study/Assessment of Young Children), 3 cr
HSCS 436 (Consumer Management), 3 cr

Second Semester

CFDV 434 (Practicum I), 3 cr
CFDV 436 (Parenting), 3 cr
HSCS 430 (Research in Human Services and Consumer Sciences), 3 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES
HUMAN SERVICES - FAMILY AND CONSUMER SCIENCES TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

AD 130 (Environmental Design), 2 cr
AD 130L (Environmental Design Laboratory), 1 cr
CT 130 (Clothing Behavior), 3 cr
HSCS 233 (Human Physio-Psychosocial Well Being), 3 cr

Second Semester

AD 131 (Introduction to Housing), 2 cr
AD 131L (Introduction to Housing Laboratory), 1 cr

Sophomore

First Semester

FN 233 (Elementary Nutrition), 3 cr
CFDV 233 (Family Relations), 3 cr
CFDV 234 (Survey of Early Childhood Development), 3 cr

Second Semester

FN 253 (Meal Management), 1 cr
FN 253L (Meal Management Laboratory), 2 cr
CFDV 235 (Interaction With Young Children), 3 cr
HSCS 334 (Careers in Family and Consumer Sciences), 1 cr

Junior

First Semester

HSCS 335 (Principles of Family and Consumer Sciences), 3 cr
HSCS 431 (Aging and Health Needs), 3 cr
HSCS 433 (Communication: Family and Marriage), 3 cr

Second Semester

HSCS 432 (Program Planning), 3 cr
HSCS 434 (Occupational Programs), 3 cr
HSCS 435 (Planning for Vocational Programs), 3 cr

Senior

First Semester

HSCS 436 (Consumer Management), 3 cr
HSCS 438 (Consumer Economics), 3 cr

Second Semester

HSCS 430 (Research in Human Services and Consumer Sciences), 3 cr
HSCS 439 (Family and Community Services), 1 cr
HSCS 439L (Family and Community Services Laboratory), 2 cr
HSCS 440 (Capstone in Family and Consumer Sciences), 3 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES
FOODS AND NUTRITION TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

AD 130 (Environmental Design), 2 cr
AD 130L (Environmental Design Laboratory), 1 cr
FN 111 (Introduction to Dietetics), 1 cr
FN 233 (Elementary Nutrition), 3 cr

Second Semester

CFDV 233 (Family Relationships), 3 cr
FN 253 (Meal Management), 3 cr

Sophomore

First Semester

CT 130 (Clothing Behavior), 3 cr
FN 333 (Diet Therapy for Health Professionals), 3 cr

Second Semester

FN 337 (Human Nutrition), 3 cr

Junior

First Semester

FN 341 (Management Principles of Food Service Systems), 4 cr
HSCS 233 (Human Physio-Psychosocial Well Being), 3 cr

Second Semester

FN 343 (Dietetics), 4 cr

Senior

First Semester

FN 414 (Seminar in Foods and Nutrition), 1 cr
FN 432 (Nutrition in Disease I), 3 cr
FN 434 (Experimental Foods), 3 cr
FN 437 (Senior Seminar in Dietetics), 3 cr
FN 461 (Quantity Cookery), 6 cr

Second Semester

FN 433 (Nutrition in Disease II), 3 cr
FN 441 (Organization Management of Food Service Systems), 4 cr
HSCS 430 (Research in Human Services and Consumer Sciences), 3 cr
HSCS 436 (Consumer Management), 3 cr

DEPARTMENT OF PSYCHOLOGY

As part of the overall curricular offerings at Texas Southern University, the Department of Psychology offers courses in both Psychology (PSY) and Philosophy (PHIL) as well as **one undergraduate degree, the Bachelor of Arts (B.A.) in Psychology, and one graduate degree, the Master of Arts (M.A.) in Psychology. A minor in Psychology is also offered for students pursuing undergraduate degrees or majors in other academic units at the University.** Members of the Department are housed in the basement of the College of Education Building with the Department Office located in Room B001.

Students interested in the Master of Arts Degree in Psychology are referred to the Graduate School Bulletin of Texas Southern University for detailed information.

In formulating the mission of the Department, its members have focused on the desired characteristics of a productive individual who has assumed a role in society upon completion of a liberal education. Such an individual thinks without prejudices, creates without destruction, cares without obsession, conceptualizes without distortion, knows and understands. Thus, the primary mission of the Department of Psychology is to provide students with a thorough knowledge and understanding of the theoretical, practical, and philosophical factors associated with the study of human behavior. In fulfilling this mission, five major objectives may be identified: (1) to develop in undergraduate students a better understanding of themselves, their work, and their fellow beings through a study of factors contributing to personal growth and effective living; (2) to establish tolerance which comes from understanding the principles of human behavior and individual differences; (3) to introduce undergraduate students to significant philosophical problems such as the relation between thought and language, mind and body, knowledge and belief; (4) to develop students' abilities to analyze critically their own theoretical assumptions and beliefs, as well as those offered in their studies; and (5) to lay a foundation for graduate and professional study.

Students wishing to pursue either the B.A. in Psychology or an undergraduate minor in Psychology, must satisfy Texas Academic Skills Program (TASP) requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission by completing the appropriate form available through the Department Office. Students applying for either major or minor status must present evidence of having an overall GPA of 2.25 or better, must submit official copies of their transcripts, must have completed PSY 131 (General Psychology) as a prerequisite to all other Psychology courses with a grade of "B" or better, and must have their petitions reviewed by the Departmental Admissions Committee. Students are notified of the decision of the Committee approximately thirty (30) days after submission of their petitions. 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 address and telephone number up to graduation.

Requirements for the Bachelor of Arts in Psychology are specified below. **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-" are unacceptable in these courses.) 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 124 semester credit hours satisfactorily completed. Prior to graduation, candidates for the B.A. in Psychology must complete an exit examination in the Department.**

For a minor in Psychology, twenty-two (22) semester credit hours are required through enrollment in six specified courses (credit values indicated) and one elective course. The specified courses are as follows: PSY 231 (3 credits), PSY 234 (3 credits), PSY 235 (3 credits), PSY 331 (4 credits), PSY 433 (3 credits), and PSY 435 (3 credits). The elective course may be selected from one of the following three-credit courses: PSY 332, PSY 333, PSY 432, PSY 434, PSY 436, PSY 439, PSY 461, and PSY 463. Students must earn grades of "C" or better in the seven (7) courses constituting the minor. As is the case for the major in Psychology, minor courses completed by a Psychology Major in another academic discipline must be completed with grades of "C" or better, where grades of "C-" are unacceptable.

Summarizing the above, students must gain admission to the University; must satisfy ASSET requirements; must fulfill prerequisites noted above; and must apply to the Department as either a Psychology major or minor once ASSET requirements have been fulfilled. Acceptance to major or minor status is subject to the decision of the Departmental Admissions Committee. Once admitted, each student is assigned an official advisor and provided with extensive advisement before progression toward the completion of degree or minor requirements occurs. Seniors are required to take an exit examination administered by the Department. Questions may be directed to and additional information may be gained from the Department Office at (713)-313-7344.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Belcher, Leon H. Professor B.S., M.A., University of Arkansas Ph.D., University of Northern Colorado</p>	<p>Qualls, Albert L. Instructor B.B.A., University of Oklahoma M.A., Texas Southern University</p>
<p>Braud, Lendell W. Professor B.S., M.A., Ph.D., University of Houston-University Park</p>	<p>Rouce, Sandra D. Associate Professor B.A., University of Oklahoma M.A., Ph.D., George Peabody College</p>
<p>Clay, William A. L., III Assistant Professor B.A., Rutgers University M.A., Howard University Ph.D., Texas A&M University</p>	<p>Vyas, Premila H. Professor B.A., Bombay University M.A., Ed.D., University of Houston-University Park</p>
<p>Freeman, Thomas F. Professor B.A., Virginia Union University B.D., Andover-Newton Theological School Ph.D., University of Chicago</p>	<p>Woods, Tommy Assistant Professor B.A., Texas Southern University M.A., Psy.D., Adler School of Professional Psychology</p>
<p>Geyen, Dashiell J. Visiting Assistant Professor B.S., Lamar University M.P.H., University of Texas at Houston M.A., Ed.D., Texas Southern University</p>	

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.

PSYCHOLOGY COURSES

- PSY 131** **General Psychology** (3)
Foundation for the understanding of basic psychological principles underlying human behavior. A prerequisite to all other Psychology courses. Three hours of lecture per week. **Listed as PSYC 2301 in the Texas Common Course Numbering System.**
- PSY 231** **Child Psychology** (3)
Special study of the mental and emotional development from birth to middle childhood. Development considered from a life long process viewpoint. Three hours of lecture per week. Prerequisites: PSY 131. **Listed as PSYC 2308 in the Texas Common Course Numbering System.**
- PSY 234** **Elementary Statistics** (3)
Basic statistics course for students in Psychology and in the College of Education. Limited practice in the use of calculations and computational devices included. Three hours of lecture per week. Prerequisite: NIATH 133. Formerly PSY 436.
- PSY 235** **Educational Psychology** (3)
Study of the relationship between psychology and education and its usefulness in the normal processes of growth and development. Three hours of lecture per week. Prerequisite: PSY 131.
- PSY 331** **Psychology of Learning** (4)
Study of classical and instrumental conditioning, verbal learning, and theories of learning. Motivational factors also covered. Four hours of lecture per week. Prerequisite: PSY 131
- PSY 332** **Vocational and Industrial Psychology** (3)
Study of the basic factors in vocational selection, methods of estimating aptitude, measurement of special abilities, problem analysis and specifications. Three hours of lecture per week. Prerequisite: PSY 131.
- PSY 333** **Adolescent Psychology** (3)
Social and psychological bases of adolescent behavior. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 231.
- PSY 334** **Experimental Psychology** (3)
Study of the experimental analysis of behavior and experimental design. Emphasis placed on the application of behavior principles to non-laboratory settings. Two hours of lecture and two hours of laboratory per week. Prerequisites: PSY 131 and consent of the instructor.
- 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. Prerequisite: Statistics course.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN PSYCHOLOGY
TOTAL CREDITS REQUIRED: 128**

CORE CURRICULUM (STANDARD)*	MAJOR (PSYCHOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	37 credits	26 credits	21 credits
ENG 131 (3)**	PSY 131 (3)	BIOL 245 (4)	Contact
ENG 132 (3)	PSY 231 (3)	12 credits	department of
SC 135 or 136 (3)	PSY 234 (3)	selected from	choice after
MATH 133 (3)	PSY 235 (3)	a combination	being admitted
BIOL 143 (4)	PSY 331 (4)	of CS and	as a
GEOL 141 or	PSY 334 (3)	Foreign Languages	Psychology Major
PHYS 141 (4)	PSY 432 (3)	HED 233 (2)	by the Department.
ENG 2xx (3)	PSY 433 (3)	MATH 135 (3)	
MUSI 239 (3)	PSY 435 (3)	PE 1xx (1)	
HIST 231 (3)	PSY 436 (3)	PE 1xx (1)	
HIST 232 (3)	plus	PHIL 231 (3)	
POLS 231 (3)	6 Upper-Level		
POLS 232 (3)	Elective Credits		
SOC 221 (3)	in PSY		
CS 116 (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.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN PSYCHOLOGY
BY LEVEL AND SEQUENCE**

Freshman	First Semester PSY 131 (General Psychology), 3 cr
	Second Semester PSY 231 (Child Psychology), 3 cr
Sophomore	First Semester PSY 234 (Elementary Statistics), 3 cr PSY 235 (Educational Psychology), 3 cr
	Second Semester PSY 334 (Experimental Psychology), 3 cr
Junior	First Semester PSY 435 (Psychology of Personality), 3 cr
	Second Semester PSY 331 (Psychology of Learning), 4 cr PSY 433 (Abnormal Psychology), 3 cr
Senior	First Semester PSY 432 (Social Psychology), 3 cr PSY 436 (Biopsychology), 3 cr
	Second Semester PSY Electives, 6 cr

DEPARTMENT OF SOCIAL WORK

The Department of Social Work offers courses in Social Work (SOCW) and one undergraduate degree, the **Bachelor of Arts (B.A.) in Social Work**. 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. **The B.A. in Social Work is accredited by the Council on Social Work Education (CSWE)**, and members of the Department are housed on the second floor of Hannah Hall with the Department Office located in Room 210. **As first time degree seekers, 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 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 "stances." Each of the program goals addresses 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, emphasizing African Americans, other people of color, and populations at risk to the 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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Specific requirements are discussed below. **An exit examination is required of graduating seniors.**

Specifically, for students applying to the Department as Social Work majors or degree seekers (as ASSET requirements are met), the application process consists of completing and returning an application form (available in Room 210 of Hannah Hall) along with official transcripts and completing a formal interview process conducted by the Social Work Program Admissions Committee. Students applying must have an overall GPA of 2.25 or better, and the minimum GPA of 2.25 must be maintained up to the time of graduation. If students allow their GPA's to fall below 2.25, they jeopardize their ability to receive recommendations from the faculty and to enroll for courses designated for the senior year.

The overall Social Work major is structured to conform to a "Curriculum Guide" that is available for reference in Room 210 of Hannah Hall. 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 practicums within the various community agencies. **Social Work graduates are required to take the state licensing examination in order to practice social work in the state of Texas.**

A total of 50 credits is required in Social Work for completion of the B.A. degree in which grades of "C" or better must be earned. Grades of "C-" are unacceptable. Courses required during the senior year are organized into two blocks: **Block I and Block II.** 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. 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. All 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. Beyond the Block I and Block II curriculum structure, other upper level requirements include three semester credit hours in each of the following specialty areas: research, theory, and statistics.

In summary, interested students must first gain admission to the University; must meet their ASSET responsibility; must fulfill prerequisites referenced above; and must petition for admission to the Department. The Social Work major has specific entrance requirements that must be met before acceptance can be granted. Students are provided with extensive advisement once admitted to ensure proper progression toward graduation, and an exit examination is required of graduating seniors. Social Work graduates must be licensed in order to practice their profession. For additional information, questions regarding the Social Work major may be directed to (713)-313-7783.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Beasley, Beatrice Associate Professor LMSW* B.A., Prairie View A & M University M.S.W., University of Houston Ph.D., University of Pittsburgh</p>	<p>Parker, Byron Assistant Professor LMSW* B.A., Texas Southern University M.S.W., University of Houston</p>
<p>Burrell, Deanna Associate Professor LMSW, ACSW* B.A., Texas Southern University M.S.W., University of California at Berkeley Dr.P.H., University of Texas at Houston</p>	<p>Slaughter, Doraine Assistant Professor LMSW, LCCA* B.A., Kentucky State University M.S.W., University of Kentucky</p>
<p>Jackson, Rose Assistant Professor LMSW-AP, CCDS, LCDC* B.A., Wichita State University M.S.W., University of Houston Ph.D. Howard University</p>	<p>White, Sara Assistant Professor LMSW-AP, ACSW* B.A., Miami University M.A., University of Chicago</p>
<p>Lewis, Nelda C. Associate Professor LMSW-AP, ACSW* B.A., Texas Southern University M.S.W., Michigan State University Ph.D., Texas Woman's University</p>	

*Licensures are indicated on this line that are specific to Social Work with the following references noted: **LMSW** for Licensed Master Social Worker; **LMSW-AP** for Licensed Master Social Worker - Advanced Practitioner; **ACSW** for Academy of Certified Social Workers; **CCDS** for Certified Chemical Dependency Specialist; **LCCA** for Licensed Child Care Administrator; and **LCDC** for Licensed Chemical Dependency Counselor.

SOCIAL WORK COURSES

- SOCW 145** **Introduction to Social Welfare** (3)
Introduction to representative fields, practices, agencies, services, and professional groups engaged in social welfare with particular emphasis on Social Work and required field experience. Three hours of lecture and four hours of laboratory/field experience per week.
- SOCW 246** **Social Welfare Legislation** (3)
Intensive examination and discussion of selected social legislation. Emphasis on the Social Security Act and other Acts closely related to social welfare services and social work. Required field experience. Three hours of lecture and four hours of laboratory/field experience per week. Prerequisite: SOCW 145.
- SOCW 333** **Violence and Abuse in Families** (3)
Consideration of selected aspects of violence and abuse: patterns (wife, child), types (physical, emotional, sexual), theories of causation, manifestation, and social service programs. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 335** **Service to Children and Youth in Institutional Settings** (3)
Examines selected representative services for children and youth in terms of their programs, method of service delivery, and needs in settings other than the home. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 340** **Seminar in Helping** (3)
Examination and discussion of motives, value orientations, and approaches used in helping with emphasis on self awareness, interviewing, observation, data management, and integration as key tools in the helping process. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 246 or consent of the instructor.
- SOCW 341** **Social Services in Medical Settings** (3)
Analysis of service providers, their roles, ethics, values, and functions as provided to clientele in health and medical settings. Emphasis on the role of the Social Worker. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 342** **Seminar on Aging** (3)
Introduction to the aged and aging process. Emphasis on the major concepts related to aging, associated critical issues, and social services. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 343** **Social Work and the Law** (3)
Study and analysis of selected laws directly related to social work practice in the provision of services to individuals, groups, and communities. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 345** **Human Behavior in the Social Environment (for Health Related Majors ONLY)** (3)
Emphasis on wholistic approach to understanding human behavior across the lifespan for non-social work majors.
- SOCW 346** **Human Behavior in the Social Environment (for Social Work Majors ONLY)** (3)
Integrated biological/psychological/sociological approach toward understanding the aspects of behavior. Examines the person-in-environment concept from the systems ecological perspective. Three hours of lecture and two hours of laboratory/field experience per week. **Prerequisite:** SOCW 145 and SOCW 246. **Corequisite:** Enrollment in SOCW 340 or consent of the instructor.
- SOCW 347** **Human Behavior in the Social Environment II** (3)
Application of the theoretical framework of systems ecological perspective with emphasis upon families, groups, communities, and organizations. Examines issues of diversity, structure, and outcome of transactions between and within systems. Three hours of lecture and two hours of laboratory/field experience per week. **Prerequisites:** SOCW 340 and SOCW 346 or consent of the instructor.

SOCW 439	Social Welfare Policy (3) Exploration and assessment of legislative/policy issues with reference to Social Work. Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.
SOCW 440	Generalist Practice I (3) Micro level focuses on the integrated use of a knowledge/value approach for the development of generalist skills in providing interventive 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 Practice 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: 131**

CORE CURRICULUM (STANDARD)*	MAJOR (SOCIAL WORK)	OTHER REQUIREMENTS
44 credits	50 credits	37 credits
ENG 131 (3)**	SOCW 145 (3)	ECON 231 (3)
ENG 132 (3)	SOCW 246 (3)	HED 233 (2)
SC 135 or 136 (3)	SOCW 340 (3)	PE 1xx (1)
MATH 133 (3)	SOCW 346 (3)	PE 1xx (1)
BIOL 121 (2)	SOCW 347 (3)	PHIL 231 (3)
BIOL 131 (3)	SOCW 439 (3)	Statistics (3)***
BIOL 132 (3)	SOCW 440 (3)	SOC 157 (3)
ENG 2xx (3)	SOCW 440L (2)	SOC 158 (3)
MUSI 239 (3)	SOCW 441 (3)	SOC 357 (3)
HIST 231 (3)	SOCW 441L (2)	SOC 359 (3)
HIST 232 (3)	SOCW 443 (3)	Approved SC Elective (3)
POLS 231 (3)	SOCW 444 (4)	PSY Elective (3)
POLS 232 (3)	SOCW 444S (1)	Free Upper
PSY 131 (3)	SOCW 446 (4)	Level Electives (6)
CS 116 (3)	SOCW 446S (1)	
	SOCW 450 (3)	
	SOCW Upper	
	Level Electives (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.

*** 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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF ARTS DEGREE IN SOCIAL WORK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

SOC 157 (Introduction to Sociology), 3 cr
SOCW 145 (Introduction to Social Welfare), 3 cr

Second Semester

SOC 158 (Contemporary Social Issues), 3 cr

Sophomore

First Semester

SOCW 246 (Social Legislation), 3 cr

Second Semester

None

Junior

First Semester

Statistics Course, 3 cr
SOC 357 (Sociological Theory), 3 cr
SOCW 340 (Seminar in Helping), 3 cr
SOCW 345 (Human Behavior in the Social Environment I), 3 cr

Second Semester

SOC 359 (Sociological Research), 3 cr
SOCW 347 (Human Behavior in the Social Environment II), 3 cr
SOCW Upper Level Elective, 3 cr
Free Upper Level Electives, 6 cr

Senior

First Semester

SOCW 440 (Generalist Practice I), 3 cr
SOCW 440L (Generalist Practice Lab I), 2 cr
SOCW 443 (Theories in Social Work Practice), 3 cr
SOCW 444 (Field Instruction I), 4 cr
SOCW 444S (Field Instruction Seminar I), 1 cr
SOCW 450 (Social Work Practice Research and Evaluation), 3 cr

Second Semester

SOCW 439 (Social Welfare Policy), 3 cr
SOCW 441 (Generalist Practice II), 3 cr
SOCW 441L (Generalist Practice Lab II), 2 cr
SOCW 446 (Field Instruction II), 4 cr
SOCW 446S (Field Instruction Seminar II), 1 cr
SOCW Upper Level Elective, 3 cr

DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers courses in Sociology (SOC) and two degrees in Sociology, **the undergraduate Bachelor of Arts (B.A.) in Sociology and the graduate degree, the Master of Arts (M.A.) in Sociology.** A **minor in Sociology is also offered** for students pursuing undergraduate degrees or majors in other departments where they are required to declare a minor. Interested students may secure information from the Department of Sociology Office located in Room 304 of the Hannah Hall Building.

Students interested in the Master of Arts Degree in Sociology should refer to the Graduate School Bulletin of Texas Southern University.

The Department of Sociology has a comprehensive mission to provide students with a combination of knowledge and skills that will enable them to perform a variety of functions in urban and suburban social environments. The undergraduate curriculum emphasizes theoretical foundations, research methods, and social practice. Students are prepared for entry into careers in the service industry and private sectors of the economy, as well as for study in graduate and professional academic programs. The Instructional and Research Components of the undergraduate curriculum also give students the opportunity to develop a familiarity with and an understanding of diverse ethnic populations in a global society.

In fulfillment of this mission, the Sociology curriculum has the following objectives:

1. To provide an adequate base of knowledge in micro and macro social theories and theorists
2. To provide opportunities for students to recognize and comprehend the role of social change as it relates to human interaction and relationships
3. To engage its faculty and students in scientific research and creative activity in urban community life
4. To provide students with the technical skills that are required for occupations in research in human relations, intercultural affairs, and organizational leadership
5. To enhance student academic success by providing quality academic advisement and mentoring opportunities
6. To support the quality of student life experience by sponsoring student campus organizations and community service projects
7. To provide student opportunities in volunteer/internship programs prior to completion of the B.A. degree in Sociology

The B.A. 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). As first-time degree seekers, students pursuing this degree must declare a minor in a second academic discipline. Once admitted to the University, Sociology majors are each 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 also be consulted in the selection of a required minor for the B.A. in Sociology. The Office of the Department of Sociology must have on file the current address and telephone number of each student. Students can be assured of quality assistance and academic advisement by completing and updating a Student Information Data Form available in Room 304 of Hannah Hall.

Students interested in seeking the undergraduate degree (B.A. in Sociology) or the Sociology minor offered through the Department must first gain admission to the University, must satisfy ASSET requirements, must eradicate deficiencies assessed at the time of admission through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Students must schedule at least two academic conferences on a semester or term basis 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 126 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, 21 semester credit hours are required, exclusive of freshman level courses, through enrollment in the following three-credit courses for a total of 12 credits: SOC 254, SOC 354, SOC 357, and SOC 359. An additional 9 credits must be approved by a Sociology Faculty advisor or the Faculty Chair. **Students pursuing the minor in Sociology, while seeking 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 Club** and to participate in the Spring and Fall semester **Sociology Lecture Seminars**. The Department of Sociology strives to enhance the student’s experiences of college life 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 integral component of the Department of Sociology at Texas Southern University. The purpose of this honor society is to promote scholarship, both at the graduate and undergraduate levels. The Sociology Faculty members are diligent in encouraging all sociology majors to excel in their academic studies. To become a member of AKD, a student has to be at least a junior and have accumulated the equivalent of an overall grade point average of 3.0 by a four point scale, and shall rank in the top 35% of their class in general scholarship. A student must have completed at least four regular courses in sociology prior to initiation. Graduate students need to complete at least one-half year of course work in sociology while maintaining at least a 3.0 grade point average. The Honor Society’s focus promotes the scientific study of society through research and service to mankind.

In summary, interested students must first gain admission to the University; must meet their ASSET responsibility; must fulfill prerequisites referenced above; and must petition the Department for admission. To ensure proper progression toward graduation, students are provided comprehensive advisement by a Sociology Faculty member, and an exit examination is required of graduating seniors. For further information regarding the Sociology major or minor requirements, contact the Department at (713)-313-7250.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Cox, Betty J. Associate Professor B.A., M.A., Texas Southern University Ed.D., University of Houston</p>	<p>James, Bonnie L. Assistant Professor B.A., M.A., Texas Southern University</p>
<p>Harrison, Cecile E. Associate Professor B.S., Bennett College M.A., Texas Southern University Ph.D., University of Texas at Austin</p>	<p>Mosley, E. Dianne Associate Professor B.A., University of Texas at Austin M.A., Texas Southern University Ph.D., Texas Woman's University</p>
<p>Jackson, Kenneth Associate Professor B.A., 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 the subdisciplines of anthropology, including a general introduction to the major topical areas within each anthropological subdiscipline. Three hours of lecture per week. **Listed as ANTH 2346 in the Texas Common Course Numbering System.**
- SOC 254 **Black Perspectives in Sociology / Ethnic Studies in Society** (3)
Presentation and discussion of the nature and character of society and the presence of ethnic groups within the social order. 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. Prerequisite: SOC 157.
- SOC 335 **Ethnic Groups in Society** (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 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. Prerequisite: SOC 322.	
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. Two hours of lecture and two hours of laboratory 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. Two hours of lecture and one hour of laboratory 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. Prerequisite: SOC 238.	
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)
	Presentation and analysis of the social and cultural determinants of the experiences of Mexican-Americans in society. 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. Prerequisites: SOC 357 and SOC 359.	
SOC 457	Seminar in Modern 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

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
BACHELOR OF ARTS DEGREE IN SOCIOLOGY
TOTAL CREDITS REQUIRED: 127**

CORE CURRICULUM (STANDARD)*	MAJOR (SOCIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	26 credits	21 credits
ENG 131 (3)**	SOC 157 (3)	CS 117 (3)	Contact
ENG 132 (3)	SOC 158 (3)	ECON 231 (3)	department of
SC 135 or 136 (3)	SOC 254 (3)	ENG 2xx (3)	choice after
MATH 133 (3)	SOC 221 or 257 (3)	MATH 134 (3)	being admitted
BIOL 143 (4)	SOC 354 (3)	PSY 131 (3)	as a
GEOL 141 (4)	SOC 357 (3)	SOC 141 (3)	Sociology Major
ENG 2xx (3)	SOC 359 (3)	HED 233 (2)	by the Department.
MUSI 239 (3)	SOC 450 (3)	Free Electives (6)	
HIST 231 (3)	SOC 457 (3)		
HIST 232 (3)	SOC 458 (3)		
POLS 231 (3)	300-Level		
POLS 232 (3)	SOC Elective (3)		
SOC 238 (3)	400-Level		
CS 116 (3)	SOC Elective (3)		

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

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

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN SOCIOLOGY
BY LEVEL AND SEQUENCE**

Freshman	First Semester SOC 157 (Introduction to Sociology), 3 cr
	Second Semester SOC 158 (Contemporary Social Issues), 3 cr
Sophomore	First Semester SOC 254 (Black Perspectives in Sociology), 3 cr
	Second Semester SOC 221 or 257, 3 cr
Junior	First Semester SOC 354 (Sociological Statistics), 3 cr SOC 357 (Classical Sociological Theory), 3 cr
	Second Semester SOC 359 (Sociological Research), 3 cr SOC Elective, 3 cr
Senior	First Semester SOC 450 (Seminar in Methodology), 3 cr SOC 457 (Seminar in Modern Sociological Theory), 3 cr
	Second Semester SOC 458 (Application In Sociology), 3 cr SOC Upper Level Elective, 3 cr



MACK H. HANNAF

BARBARA JORDAN - MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

OVERVIEW

An extensive set of curricular offerings is provided through the Barbara Jordan-Mickey Leland School of Public Affairs that includes courses in Administration of Justice (AJ), Political Science (POLS), Public Affairs (PA), and Military Science (MSCI), as well as **three undergraduate degrees and three graduate degrees. At the undergraduate level, the Bachelor of Science (B.S.) in Public Affairs, the Bachelor of Science (B.S.) in Administration of Justice, and the Bachelor of Arts (B.A.) in Political Science are offered. At the graduate level, the Master of Public Administration, Master of Urban Planning and Environmental and Doctor of Philosophy in Urban Planning and Environmental Policy are offered. In addition to course and degree offerings, students with majors in other departments may declare minors in the four disciplines offered through this unit: Administration of Justice, Political Science, Public Affairs, and Military Science.** Faculty and staff are housed on the third floors of Hannah Hall and the Roderick R. Paige Education Building in Rooms 320 and 330, respectively.

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
Political Science	Bachelor of Arts in Political Science
Public Affairs	Bachelor of Science in Public Affairs
Public Administration	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, an Associate Dean for External Affairs, a Director of Student Services, and support staff. Administrative offices are located in the Roderick R. Paige Education Building, Room 330 and Hannah Hall, Room 326.

MISSION STATEMENT

Our mission is to educate a new generation of global change agents committed to addressing and offering solutions to global urban challenges of the 21st century.

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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 231 (American Political Systems 1), POLS 232 (American Political Systems 11), ENG 131 (Freshman English 1), and ENG 132 (Freshman English 11). Once admitted to the School, students are each assigned an official advisor who must approve all class schedules; and they 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 either elective or required courses only if grades of "C" or better have been earned (grades of "C-" are unacceptable).

GOOD ACADEMIC STANDING

Good academic standing constitutes maintaining a minimum cumulative grade point average (GPA) set by the University as referenced under the academic regulations described in chapter two of this document.

ADVISING

All students are assigned an academic advisor who will assist them with academic planning and learning about career options that relate to their programs. During each registration period, students and their advisors select courses consistent with the overall degree objectives. With their advisors, students learn to explore academic interests, to recognize academic strengths, and to identify resources to address weaknesses.

STUDENT SUPPORT SERVICES

The Office of Student Services is available to all students to help with questions about admissions, academic majors and minors, course requirements, career and degree plans, and other matters. It assists students with identifying faculty advisors and mentors. This office also refers students to other campus offices for assistance in academic, personal, and career counseling; academic skill development; and financial aid.

STUDENT ORGANIZATIONS

Student organizations are an integral part of student life at Texas Southern University. Four program-related student organizations operate in the Barbara Jordan-Mickey Leland School of Public Affairs at the undergraduate level. Two are open to all students in the School. They are the Administration of Justice Club and the Political Science 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

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 law enforcement, even when the degree has been earned.

Requirements for the B.S. in Administration of Justice, the B.S. in Public Affairs, and the B.A. in Political Science 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 124 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.

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 105, AJ 220, AJ 240, and AJ 313. In addition, nine (9) 300-level or 400-level semester credits must be earned as electives along with the four courses identified.

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 301, PA 311, PA 312, PA 313, PA 321, and PA 400. Students seeking the Public Affairs minor who have taken a research methods course in their major area may be eligible for an approved substitution in the listing with the consent of the Faculty Chair.

For a minor in Political Science, twenty-one (21) semester credit hours are required. Students pursuing this minor must first complete POLS 231 and POLS 232 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 410, POLS 413, POLS 390 or POLS 391. Six (6) elective credits in POLS (two additional courses of 3 credits each) must also be earned.

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 residency, 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.

Individuals interested in seeking certification for teaching social science in the public schools of Texas should contact the Director of Certification in the College of Education at Texas Southern University for application instructions.

In summary, students must gain admission to the University; must satisfy ASSET requirements; must fulfill GPA and prerequisite requirements referenced above; and must apply to the School as either a major or minor upon completion of ASSET requirements. Once admitted, students are each assigned an official advisor, who must approve all schedules; and they must maintain a minimum GPA to be in good standing. An exit examination is required of all graduating seniors. For further information, the School Office should be contacted at (713)-313-7405.

LISTING OF FACULTY IN THE SCHOOL

<p>Adams, Michael O. Associate Professor B.A., Tougaloo College MA., Ph.D., Atlanta University</p>	<p>Johnson, Marva Assistant Professor B.A., Tougaloo College MA., Atlanta University</p>
<p>Akpan, Akpan I. Associate Professor B.A., Lincoln University M.C.P., University of Pennsylvania Ph.D., Rensselaer Polytechnic Institute</p>	<p>Jones, Franklin Professor B.A., Southern University M.A., Ph.D., Atlanta University</p>
<p>Anderson, Sanders Associate Professor B.A., Southern University M.A., Ph.D., Atlanta University</p>	<p>McCoy, Walter Professor B.A., Huston-Tillotson College M.P.A., M.U.R.P., Ph.D., University of Pittsburgh J.D., South Texas College of Law</p>
<p>Barrington, Eugene L. Associate Professor M.Ed., Rutgers University M.Ph., Ph.D., Syracuse University</p>	<p>Mwamba, Zuberi Professor B.A., University of Wisconsin M.A., University of Pittsburgh Ph.D., Howard University</p>
<p>Beydoun, Mustapha Assistant Professor B.A., University of Florida M.U.R.P., Florida Atlantic University Ph.D., Ohio State University</p>	<p>Opolot, James S. E. Professor B.A., M.A., Ph.D., Southern Illinois University</p>
<p>Herlihy, Sean Visiting Assistant Professor B.A., Hampshire College M.A., New School Ph.D., Tulane University</p>	<p>Pan, Qisheng Associate Professor B.S., Peking University M.S., University of Southern California M.S., Peking University Ph.D., University of Southern California</p>
<p>Herrington, Theophilus Associate Professor B.A., Fort Valley State University MA., Ph.D., University of Illinois</p>	<p>Robinson, Carroll Assistant Professor J.D., George Washington University B.A., Stockton State College</p>
<p>Hovey, Bradshaw Assistant Professor B.A., Empire State College of the SUNY M.U.R.P., University of Buffalo Ph.D., University of Washington</p>	<p>Sen, Lalita Professor B.S., University College Swansen, University of Wales M.S., Ph.D., Northwestern University</p>
<p>Ibitayo, Olurominiyi Associate Professor B.S., University of Ibadan M.S., Colorado State University M.S., Ph.D., Arizona State University</p>	<p>Solitare, Laura Assistant Professor B.S., University of Connecticut M.S., Rutgers University Ph.D., Rutgers University</p>

Taylor-Greene, Helen

Professor

B.S., Howard University

M.S., The American University

M.A., Ph.D., University of Maryland

Woods, Don A.

Professor

B.S., M.A., Tennessee State University

Ph.D., University of Pittsburgh

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science offers courses in Political Science (POLS) and Public Affairs (PA), as well as two undergraduate degrees, the Bachelor of Arts (B.A.) in Political Science and the Bachelor of Science (B.S.) in Public Affairs, and one graduate degree, the Master of Public Administration (for information on the MPA refer to the graduate school bulletin). In addition to these courses, the department offers 6 semester hours of American and Texas government credits that are required of all students by the university. Offices of faculty members are located on the third floor of Hannah Hall.

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.

The Bachelor of Arts in Political Science degree prepares students for careers in various aspects of public service, law, business, journalism, politics, public policy analysis, and education. They learn how to evaluate individual and group behavior in political systems. Political Science courses are designed to stimulate students to be better citizens through an understanding of the working of the American and other political systems.

Students wishing to pursue one of the two undergraduate degrees offered through the Department must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 231 (American Political System I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). 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 withdrawn, administratively, 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 231 and POLS 232 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 410, POLS 413, POLS 390 or POLS 391. 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 301, PA 311, PA 312, PA 313, PA 321, and PA 400. Students seeking the Public Affairs minor who have taken a research methods course in their major area may be eligible for an approved substitution in the listing with the consent of the Faculty Chair.

POLITICAL SCIENCE COURSES

- POLS 231** **American Political Systems I** (3)
Study of the national, state, and local government, including principles of American government, constitutions, public opinion, socialization, interest groups, political parties, and elections. Not counted toward major or minor in Political Science. Three hours of lecture per week. **Listed as GOVT 2301 in the Texas Common Course Numbering System.**
- POLS 232** **American Political Systems II** (3)
Continuation of national, state, and local government, including the legislative, executive, and judicial branches; American foreign policy; rights of the individual. Not counted toward major or minor in Political Science. Three hours of lecture per week. **Listed as GOVT 2302 in the Texas Common Course Numbering System.**
- POLS 250** **Introduction to Political Science** (3)
Introduction to the history, scope, methods, and approaches to the study of political science and politics. Prerequisites: POLS 231 and POLS 232. Required of majors. Three hours of lecture per week.
- POLS 310** **Legislative Process** (3)
Structure of the powers and roles of legislatures and legislators, legislative structure, decision making, internal and external pressure upon legislators. Special attention given to the United States Congress. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 311** **Judicial Process** (3)
Structure, function, and process of the American court systems and related institutions; factors influencing judicial decision-making. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 330** **Comparative Government** (3)
Introduction to the methods and scope of comparative government; analysis of the institutions and cultures that impact selected governments. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 340** **International Relations** (3)
Survey of the major approaches and principles of international relations that affect the members of the international community. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 341** **International Organizations** (3)
Study of international organizations along with their roles, functions, and objectives in the international community. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 360** **Political Systems of Africa** (3)
Study of Modern Africa from World War 1, including the different European policies, growth of nationalism, movements to independence, white supremacist bloc, and Africa today. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 361** **Political Issues in Africa Today** (3)
Study of contemporary events in Africa since the end of World War II, including the growth of nationalism to independence, modernization, economic development, and the emergence of new political systems. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 380** **Political Systems of Latin America** (3)
Study of the political and economic development of selected Latin American countries with emphasis on the period since World War II. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.

- POLS 381** **Dynamics of Latin America** (3)
 Study of the major problems of Latin America: democratic government, urbanization, and economic development. Individual countries may be studied. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 390** **Development of Political Thought: Classical and Medieval Theory** (3)
 Political philosophy of early Greek, Roman, and medieval European thinkers. Special concentration on the major political works of Plato and Aristotle. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 391** **Modern Political Theory** (3)
 Political philosophy from the Italian city-state to the twentieth century. Special emphasis on Machiavelli, the Social Contract School, and Marx. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 392** **American Political Thought** (3)
 Study of the development of political thought in the United States from the seventeenth century to the present. Emphasis placed on the historical context in which political thought and movements developed. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 393** **African American Political Thought** (3)
 Analysis of ideas, personalities, relevant ideologies and categories, and the role of theory in African American political thought.
- POLS 401** **Executive Process** (3)
 The political dynamics of chief executives and their relationship to the competitive branches and units of government within the American political system. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 403** **Policy Formulation and Decision Making** (3)
 An examination of the forces and constraints involved in making and implementing public policy. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- POLS 410** **Politics in Black America** (3)
 The study of Blacks' efforts to participate in the American political system; government and societal responses; present status of Blacks in the political system. Required of majors. Three hours of lecture per week. Prerequisites: POLS 231 and POLS 232.
- 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 231 and POLS 232.
- POLS 412** **Civil Rights and Political Judiciary Processes** (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 231 and POLS 232.
- 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 231 and POLS 232.

- PA 321 **Personnel Administration** (3)
Principles, theories, and methods of human resource management. Particular attention given to personnel policy, procedures, and collective bargaining. Three hours of lecture per week. Prerequisite: PA 313.
- PA 350 **Internship** (6)
Supervised work experience with various public, private, and governmental agencies. Intern will be jointly supervised by the agency head and appropriate academic advisor. Eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the appropriate faculty advisor or Faculty Chair.
- PA 400 **Program Evaluation** (3)
Focuses on evaluation as a management tool to improve public sector program performance and introduces concepts, principles, methods, and practice of program performance evaluation. Three hours of lecture per week. Prerequisites: PA 301 and PA 302.
- PA 401 **Policy Process** (3)
Examines the role, influence, and interaction of legislatures, executives, bureaucracies, courts, and interest groups. Focuses on policy processes: problem definition, agenda setting, budgeting, authorization, implementation, and oversight. Three hours of lecture per week. Prerequisite: PA 271.
- PA 410 **Seminar in Public Affairs** (3)
Special topics seminar that provides for the examination of selected public affairs problems and issues. Specific content varies from semester to semester. Three hours of lecture per week. Prerequisite: consent of the instructor.
- PA 461 **Supervised Independent Study** (6)
Designed to allow students to conduct a scientific inquiry into a problem and present the research finding in a scholarly manner. Prerequisites: Senior standing, overall GPA of 3.30 or better, recommendation from appropriate faculty members and faculty advisor, and approval of the Faculty Chair.

**CURRICULUM SUMMARY FOR
BACHELOR OF ARTS DEGREE IN
POLITICAL SCIENCE
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM (STANDARD)*	MAJOR (POLITICAL SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	28 credits	21 credits
ENG 131(3)**	POLS 250 (3)	ECON 231 (3)	Contact
ENG 132 (3)	POLS 330 (3)	ECON 232 (3)	department of
SC 135 or 136 (3)	POLS 340 (3)	HED 233 (2)	choice after
MATH 133 (3)	POLS 390 (3)	MATH 134 or 135 (3)	being admitted
BIOL 143 (4)	POLS 391 (3)	PA 301 (3)	as a major
PHYS 141 or	POLS 410 (3)	PA 302 (3)	
GEOL 141 (4)	POLS 413 (3)	PE 1xx (1)	
ENG 2xx (3)	POLS 498 (3)	PE 1xx (1)	
ART 131, MUSI 131, or	plus	PSY 131 or	
THC 130 (3)	12 credits	SOC 158 (3)	
HIST 231 (3)	selected from	Foreign Language/	
HIST 232 (3)	the following	Approved	
POLS 231 (3)	3-credit hour courses:	CS credits (6)	
POLS 232 (3)	POLS 310, POLS 311		
SOC 157 (3)	POLS 341, POLS 360		
CS 116 (3)	POLS 361, POLS 380		
	POLS 381, POLS 392		
	POLS 393, POLS 401		
	POLS 403, POLS 411		
	POLS 412, POLS 414		
	POLS 419, POLS 420		
	POLS 431, and POLS 440		

* 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.

**MAJOR COURSES FOR THE
BACHELOR OF ARTS DEGREE IN POLITICAL SCIENCE
BY LEVEL AND SEQUENCE**

Freshman	First Semester POLS 231 (American Political Systems 1), 3 cr
	Second Semester None
Sophomore	First Semester POLS 250 (Introduction to Political Science), 3 cr
	Second Semester POLS 330 (Comparative Government), 3 cr
Junior	First Semester POLS 340 (International Relations), 3 cr
	Second Semester None
Senior	First Semester POLS 391 (Political Theory in the Modern World), 3 cr POLS 413 (Constitutional Law), 3 cr POLS Elective (see Curriculum Summary) POLS Elective (see Curriculum Summary), 3 cr
	Second Semester POLS 410 (Politics in Black America), 3 cr POLS Elective (see Curriculum Summary), 3 cr POLS 498 (Capstone Seminar in POLS), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
PUBLIC AFFAIRS
TOTAL CREDITS REQUIRED: 126**

CORE CURRICULUM (STANDARD)*	MAJOR (POLITICAL SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits***	25 credits	21 credits
ENG 131 (3)**	PA 271 (3)	ECON 231 (3)	Contact
ENG 132 (3)	PA 301 (3)	ECON 232 (3)	department of
SC 135 or 136 (3)	PA 302 (3)	HED 233 (2)	choice after
MATH 133 (3)	PA 311 (3)	MATH 134 or 135 (3)	being admitted
BIOL 143 (4)	PA 312 (3)	POLS Elective (3)****	as a major
PHYS 141 or	PA 313 (3)	PE 1xx (1)	
GEOL 141 (4)	PA 321 (3)	PE 1xx (1)	
ENG 2xx (3)	PA 350 (6)	PSY 131 or	
ART 131, MUSI 131, or	PA 400 (3)	SOC 158 (3)	
THC 130 (3)	PA 401 (3)	Foreign Language	
HIST 231 (3)	PA 410 (3)	or Approved	
HIST 232 (3)		CS credits (6)	
POLS 231 (3)			
POLS 232 (3)			
SOC 157 (3)			
CS 116 (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.

*** Students with GPA's of 3.30 or better will be advised to take PA 461 for 6 credits in addition to the 30 required credits in the major. These additional credits will add to the total credits needed for degree conferral.

**** Select from the following for the 3 required credits: POLS 310, POLS 311, POLS 340, POLS 401, POLS 403, POLS 412, and POLS 413.

**MAJOR COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN PUBLIC AFFAIRS
BY LEVEL AND SEQUENCE**

Freshman	First Semester None
	Second Semester None
Sophomore	First Semester PA 271 (Introduction to Public Administration), 3 cr
	Second Semester PA 301 (Research Methods in Public Administration), 3 cr
Junior	First Semester PA 302 (Quantitative Methods in Public Administration), 3 cr PA 311 (Introduction to Public Sector Planning), 3 cr PA 313 (Organization Behavior and Management), 3 cr
	Second Semester PA 312 (Public Budgeting), 3 cr PA 321 (Personnel Administration), 3 cr
Senior	First Semester PA 400 (Program Evaluation), 3 cr PA 401 (Policy Process), 3 cr
	Second Semester PA 350 (Internship), 6 cr PA 410 (Seminar in Public Affairs), 3 cr

DEPARTMENT OF ADMINISTRATION OF JUSTICE

The Department of Administration of Justice offers courses in Administration of Justice (AJ) and Military Science (MSCI) and an undergraduate degree, the Bachelor of Science (B.S.) in Administration of Justice. A minor in Administration of Justice is offered for students pursuing undergraduate degrees or majors in other departments where they are required to declare a minor. The Department of Administration of Justice also offers the minor in Military Science. Interested students may obtain information from the Department of Administration of Justice office located on the third floor of the Hannah Hall Building.

The mission of the Administration of Justice Department 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 not only with facts and concepts, but also, more importantly, to think critically and ethically in applying knowledge to related problems and changing fact situations.

The curriculum presents subjects designed to develop competence for employment and for leadership roles for students planning careers in Law Enforcement, Parole and Probation, Corrections, Institutional Services, Security Administration, and other related career areas.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), 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 four courses with grades of "C" or better (grades of C- are unacceptable): POLS 231 (American Political System I), POLS 232 (American Political Systems II), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the Department, students are each assigned an official advisor who must approve all class schedules; and they must keep the Department 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 Department. Students failing to meet prerequisites for courses will be withdrawn, administratively, 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).

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 law enforcement, 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 impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 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.**

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 105, AJ 220, AJ 240, and AJ 313. In addition, nine (9) 300-level or 400-level semester credits must be earned as electives along with the four 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 residency, 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.

In summary, students must gain admission to the University; must satisfy ASSET requirements; must fulfill GPA and prerequisite requirements referenced above; and must apply to the Department as either a major or minor upon completion of ASSET requirements. Once admitted, students are each assigned an official advisor, who must approve all schedules; and they must maintain a minimum GPA to be in good standing. An exit examination is required of all graduating seniors. For further information, the Department Office should be contacted at (713) 313-7405.

ADMINISTRATION OF JUSTICE COURSES

- AJ 105 Introduction to Administration of Justice (3)**
An introduction to the U.S. and Texas criminal justice systems. Definition of crime, law enforcement, prosecution, due process, and rehabilitation systems. Prerequisite for all Administration of Justice courses. Three hours of lecture per week. **Listed as CRIJ 1301 in the Texas Common Course Numbering System.**
- AJ 211 Introduction to Court Systems (3)**
Examines the role of courts in the criminal justice system. Special attention is on processes and organization of state and federal courts. Three hours of lecture per week.
- AJ 220 Introduction to Corrections (3)**
Historical development of the current structure and dynamics of correctional organizations and their practices. Three hours of lecture per week.
- AJ 240 Introduction to Law Enforcement (3)**
Survey of both public and private law enforcement agencies with special emphasis on public law enforcement agencies at the different levels of government. Three hours of lecture per week.
- AJ 241 Security Management (3)**
Organization of the security function and its administration will be emphasized. Selection, education, and training for security personnel will be examined including modern technological approaches.
- AJ 250 Legal Aspects of Law Enforcement (3)**
Designed to create an awareness of the law governing the behavior of law enforcement officials. Special attention given to probable cause, interrogation, arrest, searches and seizures, and criminal court procedure. Three hours of lecture per week. **Listed in the Texas Common Course Numbering System as CRIJ 2323.**
- AJ 300 Substance Abuse (3)**
Designed to focus on varied substances, including drugs and alcohol that are currently being used and abused in society. Three hours of lecture per week.
- AJ 310 Criminal Law and Procedure (3)**
Basic concepts of criminal law with an emphasis on the penal law of Texas. Evidence sufficiency, procedural due process, and constitutional safeguards also addressed. Three hours of lecture per week. Prerequisite: AJ 211 and AJ 250.
- AJ 313 Judicial Administration (3)**
Local, state, and federal judicial operations; constitutional, legislative, and judicial influence on administrative action; and administrative problems associated with judicial functions. Prerequisite: AJ 211.
- AJ 321 Probation and Parole Administration (3)**
Systems of probation and parole from the perspective of organization, operation, and results; legal and administrative requirements of probation management; substitutions for incarceration. Three hours of lecture per week. Prerequisite: AJ 220.
- AJ 322 Juvenile Justice System (3)**
Examination of aspects of the juvenile justice history and philosophy; court practices and procedures; police practices and corrections. Three hours of lecture per week. Prerequisites: AJ 220 and AJ 240.
- AJ 323 Correctional Counseling (3)**
Emphasis on principles and procedures; the theoretical foundations of therapeutic psychology; therapeutic techniques and processes. Three hours of lecture per week. Prerequisite: AJ 220.

- AJ 333 **Police and Community Relations** (3)
Role of the urban police department in community relations and how the police and the community can establish a more effective relationship. Three hours of lecture per week. Prerequisite: AJ 240.
- AJ 334 **Criminal Investigation** (3)
Designed to focus on the theory and practice of criminal investigation, including techniques and skills of successful investigators. Three hours of lecture per week. Prerequisite: AJ 240.
- AJ 335 **Community-Based Corrections** (3)
Principles and practices of community-based corrections such as probation, intermediate sanctions and parole. Emphasis is on functions, supervisions, problems, methods and technologies utilized in community-based programs. Prerequisite: AJ 220.
- AJ 411 **Seminar on Administration of Justice Ethics** (3)
Ethical issues in criminal justice by philosophers, criminal justice professionals, lawyers and judges, and the general public. Includes topics relating to policy, courts, corrections, and issues in legal philosophy. Prerequisite: 18 semester credit hours in Administration of Justice or consent of the instructor.
- AJ 441 **Correctional Administration** (3)
Organizational and Administrative problems and procedures unique to corrections. Custody, discipline, security force distribution, and coordination with treatment services within correctional institutions. Personnel policies, budgets, and the prison community's social structure. Three hours of lecture per week. Prerequisite: AJ 220.
- AJ 450 **Police Administration** (3)
Emphasis on police management theory and practice; personnel management; planning and research; management of information; allocation and distribution of operational human resources. Three hours of lecture per week. Prerequisite: AJ 240.
- AJ 451 **Seminar on Administration of Justice** (3)
Selected topics such as the experiences encountered by African-Americans and other ethnic groups in criminal justice in the United States. Three hours of lecture per week. Prerequisite: 21 semester credit hours in Administration of Justice or consent of the instructor.
- AJ 460 **Administration of Justice Internship** (3)
Supervised practical experience in public and nonprofit selected agencies. Designed for student at junior and senior levels.

MILITARY SCIENCE COURSES

- MSCI 113 **Ranger Challenge Training** (1)
Team competition, land navigation, rifle marksmanship, tactics, and survival skills covered. Fitness training requires cadets to compete against other universities. Prerequisite: Must be enrolled for Military Science minor.
- MSCI 115 **Physical Readiness Training** (1)
Satisfies physical education requirements. Utilizes U.S. Army fitness techniques in developing strength, flexibility, and endurance. Develops self-confidence through leadership training and physical activities. Open to all students at the University. Offered during the fall semester only.
- MSCI 116 **Physical Readiness Training** (1)
Continuation of MSCI 115. Open to all students at the University. Offered during the spring semester only.

MSCI 121	Introduction to Army and Marksmanship (2) Introduction to the role of the U.S. Armed Forces in society. Emphasizes weapon safety, responsibility, and marksmanship techniques. No military obligation incurred for attendance. Open to all students at the University.
MSCI 122	Survival and Unarmed Self-Defense (2) Basic concepts and techniques in unarmed self-defense, field expedient techniques, and basic field craft addressed. Rape prevention techniques also addressed. No military obligation incurred for attendance. Open to all students at the University.
MSCI 221	Military Leadership Development (2) Introduction to leadership, problem analysis, decision making, oral communication, first aid, land navigation, basic radio communications, marksmanship, and repelling. Fitness training and laboratory required.
MSCI 222	Military Leadership Development (2) Continuation of MSCI 221. Fitness training and laboratory required.
MSCI 241	Basic Camp (4) Six-week, off-campus field training practicum that introduces students to the military. Includes topics in leadership and repelling. No military obligation is required for attending course. Prerequisite: Consent of the Faculty Chair.
MSCI 331	Advanced Military Science (3) Introduction to small unit leadership, troop leading procedures, leadership theory, and small unit patrolling. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.
MSCI 332	Advanced Military Science (3) Introduction to combat orders and military principles, small unit tactics, and tactical communications. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.
MSCI 431	Advanced Military Science (3) Leadership and command, military law, administration/staff operations and procedures, dynamics of the military team, training management, ethics, and professionalism. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.
MSCI 432	Advanced Military Science (3) Continuation of MSCI 431. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
ADMINISTRATION OF JUSTICE
TOTAL CREDITS REQUIRED: 132**

CORE CURRICULUM (STANDARD)*	MAJOR (ADMIN OF JUSTICE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	39 credits	28 credits	21 credits
ENG 131 (3)**	AJ 105 (3)	CS 117 (3)	Contact
ENG 132 (3)	AJ 211 (3)	HED 233 (2)	department of
SC 135 or 136 (3)	AJ 220 (3)	MATH 134 or 135 (3)	choice after
MATH 133 (3)	AJ 240 (3)	PA 271 (3)	being admitted
BIOL 143 (4)	AJ 250 (3)	PA 301 (3)	as a major.
PHYS 141 or	AJ 313 (3)	PA 302 (3)	
GEOL 141 (4)	AJ 321 (3)	PA 312 (3)	
ENG 2xx (3)	AJ 411 (3)	PA 313 (3)	
ART 131, MUSI 131, or	AJ 460 (3)	PE 1xx (1)	
THC 130 (3)	Plus 12 credits selected	PE 1xx (1)	
HIST 231 (3)	from the following:	Free Elective (3)	
HIST 232 (3)	AJ 241		
POLS 231 (3)	AJ 300		
POLS 232 (3)	AJ 310		
PSY 131; SOC 157,	AJ 322		
or SOC 158 (3)	AJ 323		
CS 116 (3)	AJ 333		
	AJ 334		
	AJ 335		
	AJ 441		
	AJ 450		
	AJ 451		

* 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.

**MAJOR COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN ADMINISTRATION OF JUSTICE
BY LEVEL AND SEQUENCE**

Freshman	First Semester AJ 105 (Introduction to Administration of Justice), 3 cr
	Second Semester None
Sophomore	First Semester AJ 220 (Introduction to Corrections), 3 cr AJ 240 (Introduction to Law Enforcement), 3 cr
	Second Semester AJ 211 (Prosecuting Agencies: Federal and State), 3 cr AJ 250 (Legal Aspects of Law Enforcement), 3 cr
Junior	First Semester AJ 313 (Court Systems: State and Federal), 3 cr AJ 321 (Probation and Parole Administration), 3 cr, or AJ 322 (Juvenile Justice System), 3 cr
	Second Semester AJ 411 (Seminar on Administration of Justice Ethics), 3 cr
Senior	First Semester AJ 323 (Correctional Counseling), 3 cr, or AJ 335 (Community-Based Corrections), 3 cr, plus AJ 333 (Police and Community Relations), 3 cr, and AJ 334 (Criminal Investigation), 3 cr, or AJ 450 (Police Administration), 3 cr
	Second Semester AJ 441 (Correctional Administration), 3 cr AJ 460 (AJ Internship), 3 cr





COLLEGE OF PHARMACY
AND HEALTH SCIENCES

SPURGEON GENERAL HALL

COLLEGE OF PHARMACY AND HEALTH SCIENCES

OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: Pharmaceutical Sciences, Pharmacy Practice, and Health Sciences. The College offers two degrees in pharmacy: the entry-level Doctor of Pharmacy (two-year pre-pharmacy, four-year professional program degree) and the Doctor of Pharmacy (two-year post-baccalaureate degree); and graduate degrees in Health Care Administration (M.S. in Health Care Administration) and Pharmaceutical Sciences (M.S. and Ph.D. in Pharmaceutical Sciences). The College offers **five baccalaureate or undergraduate degrees through the Department of Health Sciences: the Bachelor of Science in Environmental Health, the Bachelor of Science in Health Administration, the Bachelor of Science in Health Information Management, the Bachelor of Science in Respiratory Therapy, and the Bachelor of Science in Clinical Laboratory Sciences (Medical Technology)**. Information on the post-baccalaureate Doctor of Pharmacy Degree, the Master of Science Degree in Health Care Administration and the Master of Science and Doctor of Philosophy degrees in Pharmaceutical Sciences should be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne; Houston, Texas 77004-9987).

Administratively, the College is organized with a Dean who is assisted by an Associate Dean for Academic Affairs, an Assistant Dean for Student Services, an Assistant Dean for Assessment, an Assistant Dean for Practice Programs, and three Faculty Chairs who administer the didactic and experiential components of all programs. The Associate Dean for Academic Affairs is responsible for all academic matters of the College, and in the absence of the Dean, is responsible for the operations of the College. The Assistant Dean for Student Services coordinates all student related organizations and activities, including admissions, registration, counseling, and academic advising. With the exception of the Chair of the Department of Health Sciences, who is housed in Room 202 of Nabrit Science Center, the Dean, Associate Dean, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in Gray Hall.

MISSION STATEMENT

The educational programs in the College of Pharmacy and Health Sciences are consistent with the institutional mission and are responsive to the special challenges that are associated with the University's open access philosophy. The College is committed to developing and graduating quality health care professionals from diverse cultural, ethnic, and socioeconomic backgrounds. Many of these students come to Texas Southern University with academic and economic deficiencies, as well as with cultural differences, that might preclude their meeting traditional college admission standards or lessen their chances for successful completion of a curriculum delivered through traditional didactic and experiential methods.

Because the College is committed to producing and graduating quality health care professionals from diverse backgrounds, it has developed a special kind of expertise (programs and techniques) for enhanced student-centered learning that encompasses innovative teaching, nurturing, enriching, and sharpening of those skills required for academic success, as well as those needed for a wholesome productive life upon graduation. Additionally, these learning experiences take into account the diverse needs of learners and produce confident, self-disciplined, highly trained individuals determined to seek solutions to the health care problems in Texas and the world community. These individuals are also able to focus on the special health care needs of African Americans and other ethnic minorities. Both the phenomenal success of many of the College's graduates and their contributions to the pool of minority professionals in Texas and the nation at large represent ample evidence that the College attends to the educational needs of this population better than any other institution of higher education in Texas.

In order to attain its mission, the College:

- supports faculty development, faculty and student research, graduate education, and other scholarly pursuits;
- promotes community service and outreach activities;
- recognizes and values cultural, environmental, racial, and socioeconomic issues affecting human health and its outcomes;
- fosters acquisition of knowledge, critical and creative reasoning, effective communication, and a commitment to life-long learning;
- inculcates the knowledge, skills, abilities, attitudes, and values needed for exemplary patient care in an evolving health care environment; and
- fosters and supports the profession of pharmacy and the health sciences, improved patient care and quality of life, interdisciplinary health care practices, professional leadership, continuing professional education, and the broad community-based public health principles of disease prevention and health promotion.

ACCREDITATION

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy, and the Association of Schools of Allied Health Professions. Programs in Pharmacy are accredited by the Accreditation Council for Pharmacy Education. The Respiratory Therapy Program is accredited by the Commission on Accreditation of Allied Health Programs (CAAHEP) and the Committee on Accreditation for Respiratory Care (CoARC). The Health Information Management Program is accredited by CAAHEP and the American Health Information Management Association. The Clinical Laboratory Sciences (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences.

REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

To become a registered pharmacist in the State of Texas, a person must have, at least, an earned Bachelor of Science (B.S.) degree in Pharmacy or an earned Doctor of Pharmacy (Pharm.D.) degree from an accredited college of pharmacy in the United States; must obtain a passing grade (75 %) on the North American Pharmacist Licensure Examination (NAPLEX); and must earn a passing grade (also 75 %) on the Multistate Pharmacy Jurisprudence Examination. In order to qualify to take the NAPLEX in Texas, a person must be a graduate of an accredited college of pharmacy with either a Bachelor of Science or Doctor of Pharmacy degree, be at least 21 years of age, be of good moral character, and fulfill the practical experience requirement. The College of Pharmacy and Health Sciences has a structured practical experience program, approved by the Texas State Board of Pharmacy, that satisfies the practical experience requirement for licensure.

REGISTRATION 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/CERTIFICATION AS A HEALTH INFORMATION MANAGER

The Bachelor of Science Degree is awarded to students upon successful completion of the curriculum in Health Information Management. Once students earn this degree, they are eligible to apply for registration as Health Information Managers through the American Health Information Management Association.

REGISTRATION/CERTIFICATION AS A CLINICAL LABORATORY SCIENTIST (Medical Technologist)

Upon completion of all academic and professional work in Clinical Laboratory Sciences (Medical Technology), students are eligible to receive both the Bachelor of Science Degree in Clinical Laboratory Sciences (Medical Technology) and a Certificate of Completion in Clinical Laboratory Sciences (Medical Technology), 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.

LICENSURE/CERTIFICATION AS A RESPIRATORY THERAPIST

Eligible seniors will receive the program Certificate of Completion and will take the National Board of Respiratory Care Entry Level Examination (CRT). After successful completion of the CRT, and receipt 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 senior year of the curriculum.

ADMISSION POLICIES

General

Admission to 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 University Director of Admissions. **All correspondence on this subject should be directed to the Assistant Dean for Student Services 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, but no later than February 15, prior to the desired Fall admission. 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 faculty 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. in one of the Health Sciences 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 or not continuation will be allowed. **During the semester prior to graduation, students must file a graduation application. They should contact the Office of the Assistant Dean for Student Services regarding the graduation application process.**

A. For the Pre-Pharmacy Program

Students admitted to the Pre-Pharmacy Program are admitted based on the university's open 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 Program should be referred to the Office of Student Services for advisement after they have met ASSET 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 the Professional Pharmacy Program. Students applying for the Professional Pharmacy Program must also have met ASSET requirements. Admission to the Pre-Pharmacy Program is **not a guarantee** of acceptance in the Professional Pharmacy Program referenced below.

B. For the Professional Pharmacy Program or Curriculum

1. **Pre-professional (pre-pharmacy) students** desiring to enroll in the professional pharmacy program must make application for admission to the College 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 acceptance into the third year and professional courses, all students must have completed all of the requirements for the first two years (pre-pharmacy curriculum) and met ASSET requirements at the University
 - 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 for admission to the third year of the program.
 - c. The on-line application for admissions to the Entry-Level Pharm.D. Program and completed credentials must be received by February 15th.
 - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants are encouraged to participate in either the October, January, or February test date for the PCAT. 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 to be considered for an interview. Submission of all required documentation does not guarantee an invitation for a personal 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. **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 must repeat the course(s) during the summer at the University or any approved accredited university before they can enter the next professional year of study.
 - b. Students failing a required course will be allowed to repeat it twice. Students failing to receive a satisfactory grade after this period are subject to suspension from the College of Pharmacy and Health Sciences.
3. Applicants may be admitted to the College of Pharmacy and Health Sciences by transfer from an accredited standard college or from an approved community or junior college under the following conditions:
- a. If the applicant is not under penalty for low scholarship or unsatisfactory conduct in any collegiate institution previously attended.
 - b. If the academic average in all college work previously attempted is not below the grade of “C+” with a GPA of 2.50 or more on a scale of 4.00.
 - c. If the Pharmacy College Admission Test (PCAT) has been taken.
 - d. If 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. If the applicant has not exceeded the maximum of 66 credit hours from a two year college.

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. That all applicants in this category apply to the entry-level Pharm.D. 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. That 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 up 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 Admissions and Academic Standards Committee and in accord with requirements or stipulations presented below. It is important that all applicants for the Health Sciences Programs seek advisement from the faculty in the program of interest. Once acceptance is recommended by the Committee, students may enroll in professional-level courses and complete requirements for the chosen Health Sciences degree and 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 met ASSET responsibility and 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 appointments with a faculty advisor prior to placing applications. Once initial advisement is completed, students must seek admission to this program by applying to the Admissions and Academic Standards Committee in the College through the Program Director. Official transcripts of all college work (with evaluations from the University Registrar) must accompany all applications, as well as three letters of recommendations. Additionally, all applicants must have met ASSET responsibility and have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics to qualify for admission. Acceptance to this program is needed in order for students to enroll in professional courses.

Participation in the 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. This forum will allow 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 accompanied by three letters of recommendation and transcripts of all college work (with evaluations from the University Registrar). Like all of the Health Sciences Programs, applicants must have met ASSET responsibility at the time of application and have GPA's 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 Sciences (Medical Technology)

Students seeking admission to this program must arrange an appointment with the Program Director prior to submitting an application. Once initial advisement is completed, students should make application to the program by April for the Fall class. There is only one entering class each year. 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 should have met all ASSET requirements and have GPA's of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics.

I. For the Professional Program in Respiratory Therapy

Applications for admission to this program are accepted and finalized each Fall Semester. All entry-level professional courses begin each Spring Semester. The application process is competitive and requires the submission of an application to the Admissions and Academic Standards Committee in the College through the Respiratory Therapy Program Director accompanied by three letters of recommendation and transcripts of all college work completed (transferred credits must be evaluated by the University Registrar). Students applying must have met ASSET responsibility and have GPA's 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/junior college or four year college or university.**

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 with.

CLASSIFICATION OF STUDENTS IN PHARMACY

In order to enroll for courses during the professional years of study toward completion of the entry-level Doctor of Pharmacy Degree, students must be classified in accord with the stipulations indicated. First professional year students must have at least 64 semester credit hours and twice as many quality points. These students must have completed the prescribed lower division or pre-pharmacy courses. Second professional year students must have at least 99 semester credit hours, twice as many quality points, and completed the prescribed courses for the first year. Third professional year students must have completed at least 132 semester credit hours, twice as many quality points, and completed the prescribed courses for the second year. Fourth professional year students must have completed at least 160 semester credit hours, twice as many quality points, and completed the prescribed courses for the third year. Students not meeting these requirements will be classified by the Faculty.

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 Clinical Clerkships, Internships, and Institutional/Community Practice, where no more than two absences are allowed. Class meetings are usually scheduled Monday through Friday of each week. Failure to attend regularly scheduled classes as required above will be deemed adequate grounds for dismissal from a course.

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. In addition, a score of 75 % in Texas Jurisprudence is required in order to be approved for graduation. Graduation must occur within one year of successful completion of the Comprehensive Examination, or the Comprehensive Examination must be repeated.

Environmental Health

Students must pass a comprehensive examination prior to graduation. 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 that must be completed successfully during the senior year is required of all students completing this program. Seniors are required to initiate the process of applying for graduation through the Program Director and to obtain information on the administration of the examination at that time.

Health Information Management

A comprehensive examination is required of all students to complete this program. They must pass this examination, which is given during their senior year, with a score of 75% or better; and they must have the approval of the Program Director before attempting the examination. 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 Board Examination.

Clinical Laboratory Sciences (Medical Technology)

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. In the case of failure, graduation must occur within one year of successful completion of the examination, or all sections of the examination must be repeated. Students will only be allowed to repeat the comprehensive examination twice.

Respiratory Therapy

A three-part program comprehensive examination is required of all students for receipt of the program Certificate of Completion in Respiratory Therapy. Students must be approved by the Program Director to attempt this examination. Successful completion of all parts of the comprehensive examination qualifies students to take the professional National Board of Respiratory Care Entry board examinations (CRT, WRT/CSE), which must be passed in this sequence and in accord with national passing rates. Students failing any part or parts of the program comprehensive examination will be required to enroll in documented recapitulative course work prior to taking the examination again.

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. Probation implies:

- a. That 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.
- b. That 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

The primary purpose of discipline is educational in nature 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 Policy 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 Policy Handbook for the College of Pharmacy and Health Sciences is available 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. All students are required to pay a professional fee per semester. 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; to defray the travel cost of students participating in the annual Educational Tour; and to support student activities.

PROFESSIONAL STUDENT LIABILITY INSURANCE. All students who are enrolled in Clinical or Community practical experiences in the 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.

SPECIAL REQUIREMENTS FOR PHARMACY AND HEALTH SCIENCES STUDENTS ENROLLED IN CLINICAL PRECEPTORSHIPS/INTERNSHIPS

Students in the College who are enrolled in clinical preceptorships/internships will be required to present proof of the following:

1. Current immunization record
2. Current Tuberculosis test
3. Current health insurance
4. Hepatitis B record

Students must meet all other requirements for enrollment in preceptorships/internships in accordance with the various programs of study.

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/Senior Vice-President for Academic Affairs 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. Students who earn grades of C-, D +, or D in the first half of a two-semester course may proceed to the second semester in that course. However, the first semester must be repeated to satisfy the C grade requirement stated above. Under no circumstances may a student continue in a two-semester course when a grade of 'D-' or 'F' is incurred in the first semester.

RIGHT TO MODIFY

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

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The three departments housed in the College of Pharmacy and Health Sciences are described in detail on the pages that follow. They are described in the following order: Department of Pharmaceutical Sciences, Department of Pharmacy Practice, and Department of Health Sciences.

DEPARTMENT OF PHARMACEUTICAL SCIENCES

The Department of Pharmaceutical Sciences, along with the Department of Pharmacy Practice, offers the **entry-level Doctor of Pharmacy Degree and the post-baccalaureate Doctor of Pharmacy Degree**. Persons interested in the **post-baccalaureate Doctor of Pharmacy (Pharm.D.)** should contact the **Office of the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences at Texas Southern University directly for details on the requirements for this degree**. The entry-level 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 unit include the following: (1) pharmaceutical and medicinal chemistry (PHCH), (2) pharmaceuticals (PHAR), and (3) pharmacology and allied sciences (PAS).

The Department of Pharmaceutical Sciences also offers the Master of Science (M.S.) degree and the Doctor of Philosophy (Ph.D.) degree in Pharmaceutical Sciences. Students who are interested in pursuing the M.S. and/or Ph.D. degree in Pharmaceutical Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website (www.tsu.edu).

Members of the Department of Pharmaceutical Sciences are housed in Gray Hall with the Department Office located in Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences.

Since the Department offers the entry-level Pharm.D. and the post-baccalaureate Pharm.D. along with the Department of Pharmacy Practice (described in the next section), students are referred to the end of the next section for a summary of requirements for the entry-level Pharm.D. and the sequence in which required courses should be taken. Courses offered through this instructional unit are described below.

Students should refer to admission policies, comprehensive examination information, and other important information regarding the completion of the entry-level Pharm.D. under the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Akpaffiong, Macauly J. Professor Pharmacology B.S., Texas Southern University M.Sc., Ph.D., University of Bath Pharm.D., University of Southern California</p>	<p>Hickman, Eugene, Sr. Professor (Retired) Pharmaceutics B.S., Texas Southern University M.S., University of Texas Ph.D., University of Iowa</p>
<p>Bates, Theodore R. Professor Pharmacokinetics B.S., Ph.D., Columbia University</p>	<p>Jadhav, Arun L. Professor Pharmacology B.S., M.S., University of Poona Ph.D., Loyola University</p>
<p>Bhansali, Kantilal G. Professor (Retired) Pharmaceutical Chemistry B.S., Gujarat University M.S., Ph.D., State University of Iowa</p>	<p>Liang, Dong Assistant Professor Pharmaceutics B.S., M.S., Zhejiang Medical University Ph.D., University of Houston</p>
<p>Enigbokan, Mofolorunso A. Associate Professor Pharmacology B.S., M.S., Texas Southern University Ph.D., Howard University</p>	<p>Mehta, Chander S. Professor Pharmacology B.S., University of Bombay B.Pharm., Ph.D., Washington State University</p>
<p>Eugere, Edward J. Professor Pharmacology B.S., Xavier University M.S., Wayne State University Ph.D., University of Connecticut</p>	<p>Milton, Shirlette Glover Assistant Professor Pharmaceutical Chemistry B.S., Texas Southern University M.S., Ph.D., University of Texas</p>
<p>Felder, Tyrone B. Associate Professor Pharmaceutics B.S., Florida A & M University Ph.D., University of Kentucky</p>	<p>Oyekan, Adebayo O. Professor Pharmacology D.V.M., University of Nigeria Ph.D., University of London</p>
<p>Guilford, James Professor Pharmaceutical Chemistry B.S., St. John's University M.S., Ph.D., University of Michigan</p>	<p>Shivachar, Amruthesh Assistant Professor Pharmaceutical Chemistry B.Sc., Sarada Vilas Science College M.Sc., Ph.D., University of Mysore</p>
<p>Hayes, Barbara E. Associate Professor Pharmacology B.S., Texas Southern University M.S., Purdue University Ph.D., University of Houston</p>	<p>Wells, Patrick Dean Emeritus B.S., Texas Southern University M.S., Ph.D., University of Nebraska at Lincoln</p>

PHARMACEUTICAL SCIENCES COURSES

- PAS 415 **Pathophysiology Laboratory** (1)
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 435. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 435.
- PAS 435 **Pathophysiology I - Cells and Tissues** (3)
Concepts of pathophysiology of cells and tissues; altered cellular and tissue biology; cellular environment of fluids and electrolytes; genes and genetic disease. Mechanisms of immunity and inflammation, tumorigenesis, and carcinogenesis. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences. Corequisite: Concurrent enrollment in PAS 415.
- PAS 436 **Pathophysiology II - Organs and Tissues** (3)
Pathophysiologic alterations in organs and systems with emphasis on the nervous, endocrine, reproductive, hematologic, cardiovascular, and lymphatic systems. Three hours of lecture per week. Prerequisites: PAS 415 and PAS 435.
- PAS 517 **Pharmacology Toxicology I Laboratory** (1)
Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 537. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 537.
- PAS 535 **Pathophysiology III - Alterations** (2)
Pathophysiologic alterations of organs and organ systems, including the pulmonary, digestive, musculoskeletal systems and skin. Two hours of lecture per week. Prerequisite: PAS 436.
- PAS 537 **Pharmacology Toxicology I** (3)
Pharmacology and toxicology of drugs used to treat disorders of the gastrointestinal, respiratory, and cardiovascular systems. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PAS 517 and PAS 535.
- PAS 539 **Chemotherapeutics** (3)
In-depth study of the principles of chemotherapy and a thorough discussion of agents used to manage infectious and neoplastic diseases. Three hours of lecture per week. Prerequisites: PAS 517, PAS 535, PAS 537, second professional year standing in the College of Pharmacy and Health Sciences and BIOL 347 or the equivalent.
- PAS 547 **Pharmacology Toxicology II** (4)
Elucidates the pharmacology and toxicology of drugs used to treat disorders of the central nervous system, musculoskeletal system, and renal system. Three hours of lecture and three hours of laboratory per week. Prerequisites: PAS 517 and PAS 537.
- 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 413	Pharmaceutics I Laboratory	(1)
	Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 433. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 433.	
PHAR 414	Pharmaceutics II Laboratory	(1)
	Demonstrations, case studies, recitation, simulations, presentations, and small group discussions to accompany PHAR 434. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 434.	
PHAR 420	Computer Applications in Pharmacy	(2)
	Designed to provide knowledge and skills necessary to use microcomputers in pharmacy practice management, with emphasis on the study and evaluation of computer information systems. Two hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.	
PHAR 433	Pharmaceutics I - Calculations	(3)
	Problems, calculations, and processes involving weights and measures, specific gravity, percentage, solutions, and alligations peculiar to pharmacy and related sciences. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences. Corequisite: Concurrent enrollment in PHAR 413.	
PHAR 434	Pharmaceutics II - Dosage Forms I	(3)
	Biopharmaceutics and the application of physicochemical principles with applications to drugs, dosage forms, and drug action. Three hours of lecture per week. Prerequisites: PHAR 413 and PHAR 433. Corequisite: Concurrent enrollment in PHAR 414.	
PHAR 513	Pharmaceutics III Laboratory	(1)
	Demonstrations, experiments, simulations, case studies, recitation, presentations, and small group discussions to accompany PHAR 533. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 533.	
PHAR 514	Pharmaceutics IV Laboratory	(1)
	Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 534. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 534.	
PHAR 533	Pharmaceutics III - Dosage Forms II	(3)
	Biopharmaceutics and applications of physiochemical principles to drugs, dosage forms, and drug action. Three hours of lecture per week. Prerequisites: PHAR 414 and PHAR 434. Corequisite: Concurrent enrollment in PHAR 513.	
PHAR 534	Pharmaceutics IV - Dosage Forms III	(3)
	Explores the principles and application of novel drug delivery systems and sterile products. Three hours of lecture per week. Prerequisites: PHAR 513 and PHAR 533. Corequisite: Concurrent enrollment in PHAR 514.	

PHAR 601	<p>Special Problems (0-8)</p> <p>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.</p>
PHAR 611	<p>Substance Abuse Education (2)</p> <p>Drug educational program for organizing and training pharmacy students to speak to junior and senior high school students on the potential hazards of drug abuse. Two hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.</p>
PHAR 614	<p>Pharmaceutics V Laboratory (1)</p> <p>Demonstrations, case studies, recitation, presentations, computer simulations, and small group discussions to accompany PHAR 634. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 634.</p>
PHAR 616	<p>Pharmaceutics VI Laboratory (1)</p> <p>Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 636. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 636.</p>
PHAR 634	<p>Pharmaceutics V - Basic Pharmacokinetics (3)</p> <p>Study of factors affecting bioavailability and time course of action of drugs in humans. Three hours of lecture per week. Prerequisites: PHAR 514 and PHAR 534. Corequisite: Concurrent enrollment in PHAR 614.</p>
PHAR 636	<p>Pharmaceutics VI - Applied Pharmacokinetics (3)</p> <p>Application of pharmacokinetic principles in selection, dosing, dosage adjustments, and evaluation of drug therapy in the institutionalized patient. Three hours of lecture per week. Prerequisites: PHAR 614 and PHAR 634. Corequisite: Concurrent enrollment in PHAR 616.</p>
PHCH 411	<p>Pharmaceutical Chemistry I Laboratory (1)</p> <p>Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHCH 431. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHCH 431.</p>
PHCH 412	<p>Pharmaceutical Chemistry II Laboratory (1)</p> <p>Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHCH 432. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHCH 432.</p>
PHCH 431	<p>Pharmaceutical Chemistry I (3)</p> <p>Introduction to medicinal chemistry that includes review of chemistry of natural products; relationship of physicochemical properties to drug action; and biochemistry of carbohydrates, lipids, proteins, and enzymes. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PHCH 411.</p>
PHCH 432	<p>Pharmaceutical Chemistry II - Biochemistry (3)</p> <p>Discussion of hormones, vitamins, enzymes, nucleic acids, protein synthesis, biological oxidation, and intermediary metabolism. Drug metabolism and biochemical basis of common clinical laboratory tests discussed. Three hours of lecture per week. Prerequisites: PHCH 431 and PHCH 411. Corequisite: Concurrent enrollment in PHCH 412.</p>

- PHCH 531** **Pharmaceutical Chemistry III** (3)
Principles of medicinal chemistry and drug metabolism pathways. Application of chemical principles to specific drug categories. Three hours of lecture per week. Prerequisites: Successful completion of PHCH 411, PHCH 412, PHCH 431, and PHCH 432. Corequisite: Concurrent enrollment in PAS 537.
- PHCH 532** **Pharmaceutical Chemistry IV** (3)
Application of chemical principles to the central nervous system; non-steroidal, anti-inflammatory, chemotherapeutic, diagnostic, radio-pharmaceutical, and miscellaneous organic and inorganic medicinal agents. Three hours of lecture per week. Prerequisite: PHCH 531.

DEPARTMENT OF PHARMACY PRACTICE

The Department of Pharmacy Practice, along with the Department of Pharmaceutical Sciences, **offers the entry-level Doctor of Pharmacy and the post-baccalaureate Doctor of Pharmacy. Persons interested in the post-baccalaureate Doctor of Pharmacy (Pharm.D.) should contact the Office of the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences at Texas Southern University directly for details on the requirements for this degree.** The entry-level 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 unit include therapeutics and disease processes (PHAR), community and hospital/institutional pharmacy practice and other professional pharmacy practice experiences (PHAR), drug information and retrieval (PHAR), pharmacy administration and jurisprudence (PADM), and clinical research (PHAR).

Members of the Department of Pharmacy Practice are housed in Gray Hall with the Department Office located in Room 241. The Department supports the primary mission of the College.

Courses offered through this unit are described below. In addition, a summary of the requirements for the entry-level Pharm.D. is provided along with an indication of the sequence in which discipline-specific courses and their primary prerequisites and corequisites should be taken.

Students should refer to admission policies, comprehensive examination information, and other important information regarding the completion of the entry-level Doctor of Pharmacy under the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abobo, Cyril V. Associate Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>	<p>Okafor, Kingsley C. Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Florida A & M University</p>
<p>Anassi, Enock O. Assistant Professor Pharmacy Practice B.S., Pharm.D., Texas Southern University</p>	<p>Osemene, Nora I. Associate Professor Pharmacy Practice BA., University of Iowa B.S., M.S., University of Houston Pharm.D., Texas Southern University</p>
<p>Chui-Poon, Ivy Assistant Professor Pharmacy Practice Pharm.D., University of Houston</p>	<p>Otufale-Amuneke, Delphina Assistant Professor Pharmacy Practice B.S., Pharm.D., Texas Southern University</p>
<p>Jackson-Stewart, Doris Associate Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., Mercer University</p>	<p>Ray, Zulma Assistant Professor Pharmacy Practice Pharm.D., University of Houston</p>
<p>Lal, Lincy S. Assistant Professor Pharmacy Practice B.S., University of Houston Pharm.D., Dr.P.H., University of Texas</p>	<p>Stafford, Harold J. Associate Professor Pharmacy Practice B.S., Texas Southern University Pharm.D., University of Tennessee</p>
<p>Mathur, Sondip K. Assistant Professor Pharmacy Practice M.A., Cleveland State University Ph.D., Texas A & M. University</p>	<p>Wiley, Danielle Assistant Professor Pharmacy Practice Pharm.D., Texas Southern University</p>
<p>Morris-Moultry, Aisha M. Assistant Professor Pharmacy Practice M.S., Ohio State University Pharm.D., Texas Southern University</p>	

PHARMACY PRACTICE COURSES

- PADM 530** **Ethics in Pharmacy Practice** (3)
Students develop skills in moral reasoning necessary to protect the safety, health, and dignity of patients served. Professional responsibilities emphasized. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences.
- PADM 634** **Jurisprudence** (3)
Study of federal, state, and local laws pertaining to the practice of pharmacy. Rules and regulations of administrative agencies discussed. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PADM 637** **Strategic Management in Health Care** (3)
Designed to familiarize students with the aggregation of activities involved in planning, establishment, and continuing management of a health care enterprise. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PADM 638** **Pharmacy Management** (3)
Instruction in basic concepts used to operate and manage pharmacies, hospitals, HMO's, and PPO's with emphasis in managed care practice. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.
- PHAR 410** **Basic Principles of Pharmacotherapy** (1)
Introduction and orientation to theory and perspectives of clinical pharmacy practice with emphasis on content of patients' medical records, laboratory values, and diagnostic procedures. One hour of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences.
- PHAR 430** **Biostatistics in Pharmacy** (2)
Provides students with an understanding of probability concepts, distributions of random variables, nonparametric methods, and other statistical methods used in biomedical, pharmaceutical, and health care research. Two hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.
- PHAR 437** **Introduction to Pharmacy and Health Care Systems** (3)
Provides students with an understanding of foundations of pharmacy and pharmacy practice, health care agencies/systems, and disease control/prevention. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.
- PHAR 515** **Pharmacy Seminar** (1)
Discussions on relevant research topics and literature in the clinical and pharmaceutical sciences. Student presentations and discussions required. One hour of lecture per week. Prerequisite: Completion of all 400-level courses in the College of Pharmacy and Health Sciences.
- PHAR 521** **Non-Prescription Products** (2)
Study of non-prescription drug items and prosthetics which allows the student to evaluate over-the-counter products and make judgments concerning benefits to patients. Two hours of lecture per week. Prerequisites: Completion of all 400-level courses.
- PHAR 536** **Patient Assessment and Physical Diagnosis** (3)
Applications of physical diagnostic examinations in various pathological states for provision of pharmaceutical care. Three hours of lecture per week. Prerequisite: Completion of all 400-level courses in the College of Pharmacy and Health Sciences.

PHAR 601	<p>Special Problems (0-8)</p> <p>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</p>
PHAR 625	<p>Prescription Practice Laboratory (2)</p> <p>Continuation of PHAR 635 with emphasis on appropriate dispensing practices and procedures. Six hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 635 and Completion of all 500-level courses.</p>
PHAR 630	<p>Pharmacotherapeutics I (3)</p> <p>Series of organized lectures stressing rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 631	<p>Drug Information, Literature, and Research Methods (3)</p> <p>Study of basic statistical analysis, study design, and literature assessment. Emphasis placed on comprehensive evaluation of published studies and development of research protocols. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 632	<p>Professional Communications/Counseling (3)</p> <p>Interactive course designed to guide pharmacy students in the development of effective counseling and communication skills. Three hours of lecture per week. Prerequisite/Corequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 633	<p>Pharmacotherapeutics II (3)</p> <p>Organized lectures on rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 635	<p>Prescription Practice (3)</p> <p>Study of professional patient-focused services provided by pharmacists, including appropriate dispensing procedures. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 711	<p>Biotechnology in Pharmacy (3)</p> <p>Basic principles and practical applications of molecular biological techniques in pharmaceutical development. Experimental, analytical, and production technologies discussed along with ethical implications. Three hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.</p>
PHAR 725	<p>Adverse Drug Reaction (3)</p> <p>Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Two hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 741	<p>Ambulatory Care Practice (4)</p> <p>Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>

PHAR 742	<p>Applied Pharmacokinetics Practice (4)</p> <p>Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 744	<p>Clinical Toxicology Practice (4)</p> <p>Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 745	<p>Community Pharmacy Practice (4)</p> <p>Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 746	<p>Acute/Emergency Medicine (4)</p> <p>Provision of pharmaceutical care to critically ill patients admitted to organized health care settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 747	<p>Information Systems Management (4)</p> <p>Provision of drug information and consultation services to health services, to health care professionals, and to patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 748	<p>Geriatrics Practice (4)</p> <p>Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health.</p>
PHAR 749	<p>Home Health Care Practice (4)</p> <p>Provision of pharmaceutical care to patients receiving home health care. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 751	<p>Hospital Pharmacy Practice (4)</p> <p>Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.</p>
PHAR 752	<p>Immune Pharmacology Practice (4)</p> <p>Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 753	<p>Family Medicine (4)</p> <p>Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and practice setting services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 754	<p>Oncology Practice (4)</p> <p>Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>
PHAR 755	<p>Parenteral Nutrition (4)</p> <p>Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.</p>

PHAR 756	Pediatrics/Neonatology Practice Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 757	Pharmacy Administration Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 758	Psychiatry Practice Provision of pharmaceutical care to patients admitted to psychiatry services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 759	Surgery Practice Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 760	Cardiology Structured pharmacy experience in an institutional setting dealing with surgery patients having cardiovascular diseases and disorders in acute and ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 761	Consulting Pharmacy Practice Clinical pharmaceutical health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 762	Managed Care Pharmacy Practice Enhancement of student involvement in the managed care setting, including hospitals, community, and the pharmaceutical industry. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 763	Nuclear Pharmacy Practice Clinical pharmaceutical health care experience with patients undergoing nuclear pharmacy treatment. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)
PHAR 764	Pharmacoeconomic Practice Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.	(4)

Students enrolled in the experiential training program in pharmacy will be required to engage in a variable rotation schedule of professional experience activities in a variety of pharmaceutical care settings: community, retail, hospital, and other pharmaceutical specialties. Students are required to complete up to 50 hours per week. The minimum rotation period is six (6) weeks.

**CURRICULUM SUMMARY FOR
ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE
TOTAL CREDITS REQUIRED: 214**

CORE CURRICULUM* (STANDARD)	MAJOR (PHARMACY)	OTHER REQUIREMENTS
44 credits	133 credits	37 credits
ENG 131 (3)**	PADM 530 (3), PADM 634 (3)	BIOL 121 (2)
ENG 132 (3)	PADM 637 (3), PADM 638 (3)	BIOL 122 (2)
SC 233; 135 or 136 (3)	PAS 415 (1), PAS 435 (3)	BIOL 131 (3)
MATH 133 (3)	PAS 436 (3), PAS 517 (1)	BIOL 132 (3)
CHEM 111, 131 (4)	PAS 535 (2), PAS 537 (3)	BIOL 344 (4)
CHEM 112, 132 (4)	PAS 539 (3), PAS 547 (4)	BIOL 347 (4)
ENG 200 Level (3)	PHCH 411 (1), PHCH 431 (3)	CHEM 211, 231 (4)
Visual & Performing Arts (3) ***	PHCH 412 (1), PHCH 432 (3) PHCH 531 (3), PHCH 532 (3) PHAR 410 (1)	CHEM 212, 232 (4) MATH 136 (3) PHYS 244 (4)
HIST 231 (3)	PHAR 413 (1), PHAR 414 (1)	PHAR 111 (1)
HIST 232 (3)	PHAR 420 (2), PHAR 430 (2)	PHAR 112 (1)
POLS 231 (3)	PHAR 433 (3), PHAR 434 (3)	PHAR 211 (1)
POLS 232 (3)	PHAR 437 (3)	PHAR 212 (1)
Social & Behavioral Sciences (3)****	PHAR 513 (1), PHAR 514 (1) PHAR 515 (1) PHAR 533 (3), PHAR 534 (3)	
CS 116 (3)	PHAR 536 (3)	
	PHAR 614 (1), PHAR 616 (1)	
	PHAR 625 (2)	
	PHAR 630 (3), PHAR 631 (3)	
	PHAR 632 (3), PHAR 633 (3)	
	PHAR 634 (3), PHAR 635 (3)	
	PHAR 636 (3)	
	PHAR 521 or PHAR 611 (2)	
	Experiential Training (32)	

* 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 the following courses: THC 130, THC 230, MUSI 131, MUSI 239, ART 131, and ART 132.

**** Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

**DEGREE PLAN LEADING TO THE
ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 121 (Biological Science I Laboratory), 2 cr
BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry I Laboratory), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
CS 116 (Computer Science), 3 cr
ENG 131 (Freshman English I), 3 cr
HIST 231 (Social and Political History of U.S. I), 3 cr
MATH 133 (College Algebra), 3 cr
PHAR 111 (Pharmacy Orientation), 1 cr

Second Semester

BIOL 122 (Biological Science II Laboratory), 2 cr
BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry II Laboratory), 1 cr
CHEM 132 (General Chemistry II, Lecture), 3 cr
ENG 132 (Freshman English II), 3 cr
HIST 232 (Social and Political History of U.S. II), 3 cr
MATH 136 (Precalculus), 3 cr
PHAR 112 (Pharmacy Orientation), 1 cr

Sophomore

First Semester

BIOL 344 (Vertebrate Anatomy and Histology), 4 cr
CHEM 211 (Organic Chemistry I Laboratory), 1 cr
CHEM 231 (Organic Chemistry I, Lecture), 3 cr
ENG 200 Level (English Literature), 3 cr
PHYS 244 (Physics for Pharmacy Students), 4 cr
PHAR 211 (Pharmacy Applications), 1 cr
POLS 231 (American Political Systems I), 3 cr

Second Semester

CHEM 212 (Organic Chemistry II Laboratory), 1 cr
CHEM 232 (Organic Chemistry II, Lecture), 3 cr
PHAR 212 (Medical Terminology), 1 cr
Social and Behavioral Sciences (PSY 131, ECON 231, SOC 157, 158, 221, 238), 3 cr
SC 233 (Speech Communications), 3 cr
POLS 232 (American Political Systems II), 3 cr
Visual and Performing Arts (THC 130, 231; MUSI 131, 239; ART 131, 132), 3 cr

First Professional Year

First Semester

PHCH 431 (Pharmaceutical Chemistry I), 3 cr
PHCH 411 (Pharmaceutical Chemistry I Laboratory), 1 cr
PAS 435 (Pathophysiology I), 3 cr
PAS 415 (Pathophysiology I Laboratory), 1 cr
PHAR 420 (Computer Applications in Pharmacy), 2 cr
PHAR 433 (Pharmaceutics I), 3 cr
PHAR 413 (Pharmaceutics I Laboratory), 1 cr
PHAR 437 (Introduction to Pharmacy and Health Care Systems), 3 cr

Second Semester

BIOL 347 (Microbiology), 4 cr
PHCH 432 (Pharmaceutical Chemistry II), 3 cr
PHCH 412 (Pharmaceutical Chemistry II Laboratory), 1 cr
PAS 436 (Pathophysiology II), 3 cr
PHAR 410 (Basic Principles of Pharmacotherapy), 1 cr
PHAR 434 (Pharmaceutics II), 3 cr
PHAR 414 (Pharmaceutics II Laboratory), 1 cr
PHAR 430 (Biostatistics in Pharmacy), 2 cr

Second Professional Year**First Semester**

PHCH 531 (Pharmaceutical Chemistry III), 3 cr
PHAR 533 (Pharmaceutics III), 3 cr
PHAR 513 (Pharmaceutics III Laboratory), 1 cr
PAS 537 (Pharmacology Toxicology I), 3 cr
PAS 517 (Pharmacology Toxicology I Laboratory), 1 cr
PAS 535 (Pathophysiology III), 2 cr
PHAR 515 (Pharmacy Seminar), 1 cr
PHAR 521 (Non-Prescription Products) 2 cr

Second Semester

PHCH 532 (Pharmaceutical Chemistry IV), 3 cr
PAS 547 (Pharmacology Toxicology II), 4 cr
PHAR 534 (Pharmaceutics IV), 3 cr
PHAR 514 (Pharmaceutics IV Laboratory), 1 cr
PHAR 536 (Patient Assessment and Physical Diagnosis), 3 cr
PAS 539 (Chemotherapeutics) 3 cr
PADM 530 (Ethics in Pharmacy Practice), 3 cr

Third Professional Year**First Semester**

PHAR 634 (Pharmaceutics V), 3 cr
PHAR 614 (Pharmaceutics V Laboratory), 1 cr
PHAR 630 (Pharmacotherapeutics I), 3 cr
PHAR 631 (Drug Information, Literature Evaluation, and Research Methods), 3 cr
*PHAR 632 (Professional Communications/Counseling), 3 cr
PADM 638 (Pharmacy Management), 3 cr

Second Semester

PHAR 636 (Pharmaceutics VI), 3 cr
PHAR 514 (Pharmaceutics VI Laboratory), 1 cr
*PHAR 635 (Prescription Practice), 3 cr
*PHAR 625 (Prescription Practice Laboratory), 1 cr
PHAR 633 (Pharmacotherapeutics II), 3 cr
PADM 634 (Jurisprudence), 3 cr
PADM 637 (Strategic Management in Health Care), 3 cr

Summer Term

Experiential Pharmaceutical Care Practices as Approved, 8 cr

Fourth Professional Year**First Semester**

Experiential Pharmaceutical Care Practices as Approved, 12 cr

Second Semester

Experiential Pharmaceutical Care Practices as Approved, 12 cr

* The order in which these third professional year courses are taken may be reversed if so desired.

DEPARTMENT OF HEALTH SCIENCES

The Department of Health Sciences offers five (5) baccalaureate or undergraduate degrees: **the Bachelor of Science in Environmental Health, the Bachelor of Science in Health Administration, the Bachelor of Science in Health Information Management, the Bachelor of Science in Clinical Laboratory Sciences (Medical Technology), and the Bachelor of Science in Respiratory Therapy.** Each degree program has a Program Director, and courses specific to each degree discipline are offered through the unit under the following designations: HSEH (Environmental Health), HSHA (Health Administration), HSMR (Health Information Management), HSMT (Medical Technology), 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 this unit. Members of the Department of Health Sciences are housed in Nabrit Center with the Department Office located in Room 202. Like the other two departments in the College of Pharmacy and Health Sciences, the Department supports the primary mission of the College: to produce quality health care professionals, especially African-Americans and other minorities, in Environmental Health, Health Administration, Health Information Management, Clinical Laboratory Sciences (Medical Technology), and Respiratory Therapy.

The Environmental Health Program provides graduates with the technical and administrative skills to function in industry, governmental agencies, consulting firms, and academia. Graduates are qualified to enter the workforce in air and water quality control, solid and hazardous waste management, occupational health and industrial hygiene, environmental toxicology and risk assessment, epidemiology, and disease surveillance.

The Health Administration Program provides graduates with the competencies and skills to become effective administrators 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, welfare, and self-actualization of clients and citizens.

The Health Information Management Program provides graduates with the technical and administrative skills to manage health information systems consistent with professional standards (medical, administrative, ethical, and legal) in health care delivery systems. Graduates also possess the knowledge and skills needed to plan and develop health information systems which meet standards of accrediting and regulating agencies.

The Clinical Laboratory Sciences (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 Sciences. 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 skills for performing diagnostic evaluation, therapy, patient/family education, and public education in cases of cardiopulmonary dysfunction. Graduates have the skills to perform diagnostic activities such as obtaining and analyzing physiological specimens, interpreting physiological data, and performing sleep disorder studies. They also have the skills for administering therapy involving such techniques as the application and monitoring of mechanical ventilation, environmental control systems, artificial airway care, and cardiopulmonary rehabilitation. These graduates have the further capability of conducting patient/family education activities that promote knowledge of disease processes, medical therapy, and self-help as well as public education activities that focus on the promotion of cardiopulmonary wellness.

Courses offered through this unit, curricular summaries for the various degrees, and the sequences in which discipline-specific courses and their primary prerequisite and corequisite courses should be taken are given below.

Students should refer to admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this unit under the College of Pharmacy and Health Sciences introductory section of this document.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Allen, Reginald Instructor Respiratory Therapy B.S., M.Ed., Texas Southern University</p>	<p>McVea, Jackie Adjunct Assistant Professor Medical Technology B.S., M.Ed., Texas Southern University M.D., St. George's University M.P.H. University of Texas</p>
<p>Hampton, Jean M. Assistant Professor Respiratory Therapy B.S., M.S., Ph.D., Texas Southern University</p>	<p>Quiller, Dorothy Adjunct Assistant Professor Medical Technology</p>
<p>Hawkins, Fanny Assistant Professor Health Information Management B.S., University of Southwestern Louisiana M.P.A., Ed.D., Texas Southern University</p>	<p>Taylor, Andrew Instructor Respiratory Therapy B.S., M.S., Texas Southern University</p>
<p>James, Andrew B. Assistant Professor Health Administration Dr.P.H., University of Texas at Houston J.D., Texas Southern University L.L.M., University of Houston</p>	<p>Turner, Polly S. Assistant Professor Health Administration B.S., Texas Southern University M.P.H., Dr.P.H., University of Texas at Houston</p>
<p>Lawson, Melanie W. Assistant Professor Health Administration M.P.H., University of Texas at Houston Ph.D., University of Houston</p>	<p>Williams, Karen Assistant Professor Health Administration B.A., Texas A&M University M.H.S.A., The University of Arkansas at Little Rock Ph.D., University of Texas at Houston</p>
<p>Mazique, Judith B. Assistant Professor Environmental Health B.S., Howard University J.D., South Texas College of Law M.P.H., University of Texas at Houston</p>	<p>Zikarge, Astatkie Assistant Professor Environmental Health B.S., M.S., East Tennessee State University M.P.H., University of Texas School of Public Health M.D., St. George's University School of Medicine</p>

CORE COURSES

HSCR 150	Concepts of Health (3) Overview 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) Exposure to current social, political, and economics issues; 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) Comprehensive study of principles and concepts in human disease focusing on the cellular and mechanistic processes involved in disease and the clinical and physiological manifestations that result. Etiology, pathogenesis, treatment, prognosis and research relative to human disease and health are stressed. Three hours of lecture per week.
HSCR 361	Research for Health Professionals (3) Review of the basic techniques and the principles of the research process in health facilities. Enrollees must perform quantitative health research using computer applications. Three hours of lecture per week.

ENVIRONMENTAL HEALTH COURSES

HSEH 232	Introduction to Environmental Health (3) Survey of topics in population and resource management, fundamentals of air and water pollution, solid and hazardous wastes, pest and vector control, and radiation protection. Open to majors and non-majors. Three lecture hours per week. Prerequisite: Consent of the Program Director.
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.
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 233.
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; circadian rhythms. Three hours of lecture per week. Prerequisite: HSEH 233.
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 233.

- 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. Prerequisite: HSEH 232.
- 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.
- 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. Prerequisites: HSEH 232 and HSEH 344.
- 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. Two hours of lecture and four hours of laboratory per week. Prerequisite: HSEH 232.
- 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 344.
- HSEH 431 Solid Waste Management (3)**
Municipal solid waste problems and solutions: generation, storage, collection, transport, processing, and disposal. Three hours of lecture per week. Prerequisite: HSEH 337.
- HSEH 432 Hazardous Waste Management (3)**
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 338 and HSEH 344.
- HSEH 433 Institutional Health and Safety (3)**
Survey of structural, electrical, and fire safety 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.
- HSEH 434 Sewage Treatment and Disposal (3)**
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 338.
- HSEH 435 Environmental Health Problems (3)**
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. Prerequisite: Consent of the Program Director.
- HSEH 442 Occupational Safety and Health (3)**
Recognition, measurement, evaluation, and control of workplace hazard exposures. Fundamentals of industrial hygiene, ergonomics, occupational disease surveillance, hazard communication, and worker protection discussed. Three hours of lecture per week. Prerequisites: HSEH 339 and HSEH 450.

- HSEH 450 Environmental Toxicology (3)**
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 234.
- HSEH 451 Environmental Impact Assessment (3)**
Consideration of environmental impacts and risks of legislative proposals, policies, programs, and projects following NEPA regulations: qualitative/quantitative risks, identification, characterization, exposure assessment, dose-response determination, interpretation, communication, and management. Three hours of lecture per week. Prerequisite: Consent of the Program Director.
- HSEH 460 Internship (6)**
Field practicum in industry, governmental agencies, consulting firms, and academic research facilities providing observation and participation in the practice of environmental health programs. Twenty-two hours of laboratory (practicum) per week. Prerequisite: Consent of the Program Director.

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.
- HSHA 262 Public Policy and Health Care (3)**
Overview of major national and state health legislation and health policy. Three hours of lecture per week.
- HSHA 312 Health Administration in School Systems (3)**
Examination of health care issues in the Houston Independent School District where enrollees are provided an opportunity to perform projects in school health settings. Three hours of lecture per week.
- HSHA 313 Health Care of the Poor (3)**
Examination of health care issues affecting the uninsured, the working uninsured, and the poor in the health care system. Three hours of lecture per week.
- HSHA 314 Finance and Economics of Health Care (3)**
Overview of health care financial and economics concepts in health care facilities. Three hours of lecture per week.
- HSHA 361 Long Term Care (3)**
Introductory examination of health issues on the rehabilitation and continuing care level: nursing homes, geriatric wellness centers, and homes for the mentally retarded. Three hours of lecture per week.
- 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.
- HSHA 411 Health Administration Internship (3)**
Direct exposure of students to professional work experiences and responsibilities through workplace settings. May be taken twice for credit. One hour of lecture and thirty-eight hours of laboratory per week. Prerequisite: Consent of the Program Director and instructor.

- HSHA 412** **Legal, Ethical, and Biomedical Aspects of Health Care** (3)
 Examination of issues in health care from an ethical, medical, sociological, and legal perspective. Three hours of lecture per week.
- HSHA 413** **Seminar in Community Health** (3)
 Detailed examination of state and local health care issues: role of the U. S. Department of Health and Human Services and the Harris County Health System. Three hours of lecture per week.
- HSHA 414** **Seminar in Issues in Health Care** (3)
 Detailed study of health care management issues. Three hours of lecture per week. Prerequisites: HSHA 211, HSHA 363, PA 311, and PA 312.
- HSHA 451** **Health Care of the Aged** (3)
 Detailed review of current and future issues in the delivery of health care services to the aged for interdisciplinary students. Three hours of lecture per week. Prerequisites: HSHA 211, HSHA 363, PA 311, and PA 312 or consent of the instructor.

HEALTH INFORMATION MANAGEMENT COURSES

- HSMR 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.
- HSMR 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.
- HSMR 363L** **Basic Foundations Laboratory** (2)
 Designed to simulate a health information department with the activities of health information management. Concurrent enrollment in HSMR 363 required. Six hours of laboratory per week.
- HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 365, and HSMR 366.
- HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 365, and HSMR 366.
- HSMR 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.
- HSMR 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.

HSMR 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: HSMR 363 and HSMR 363L.
HSMR 374	Management of Health Data II (2) Clinical coding procedures, outpatient coding, statistics, and reporting guidelines. Two hours of lecture per week. Prerequisites: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
HSMR 401	In-Service Training for Health Information Managers (1) Presentation of in-service training tools and techniques. One hour of lecture per week. Prerequisite: HSMR 479.
HSMR 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 HSMR courses, except HSMR 476 and HSMR 478.
HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
HSMR 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: HSMR 362, HSMR 363, HSMR 363L, HSMR 364, HSMR 365, and HSMR 366.
HSMR 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.
HSMR 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 HSMR courses through HSMR 475.
HSMR 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.
HSMR 479	Health Information Personnel Management (3) Discussion of the skills, techniques, policies, and procedures needed for successful human resource management: interview process, performance appraisals, wage and salary administration. Three hours of lecture per week. Prerequisites: All HSMR courses through HSMR 475.

MEDICAL TECHNOLOGY COURSES

- HSMT 252** **Serology Practices and Procedures** (3)
Study of the immune system, its cellular and non-cellular products, and serological tests to detect and identify these products and associated pathogens. Two hours of lecture and two hours of laboratory per week. Prerequisites: BIOL 454 and CHEM 232.
- HSMT 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.
- HSMT 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.
- HSMT 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 the 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, HSMT 304, and HSMT 305.
- HSMT 352** **Hematology I** (4)
Study of cellular elements of blood in normal/abnormal states of diagnostic importance with laboratory experiences for enumeration by direct observation and electronic instruments. Two hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 454, HSMT 252, and HSMT 356.
- HSMT 353** **Clinical Microscopy and Quality Control** (4)
Comprehensive exploration of principles and testing procedures used to diagnose and monitor diseases relevant to the renal system, including systemic diseases and dysfunctions. Two hours of lecture and four hours of laboratory per week. Prerequisite: BIOL 454.
- HSMT 354** **Immunohematology I** (3)
First part of a two-part sequence focusing on the role of antigens and antibodies in transfusion therapy practices and relevant testing practices and procedures. Two hours of lecture and three hours of laboratory per week. Prerequisites: HSMT 252, HSMT 353, and HSMT 356.
- HSMT 355** **Medical Chemistry I** (3)
Lecture and laboratory experiences to determine the body's chemistry using manual and automated methodologies for determination of disease processes. Two hours of lecture and three hours of laboratory per week. Prerequisites: HSMT 252, HSMT 353, HSMT 356, and CHEM 232 or equivalent.
- HSMT 356** **Hemostatic Processes** (4)
Study of abnormalities leading to the formation of a defective thrombus, including enumeration of platelets and evaluation of hemostatic parameters. Two hours of lecture and four hours of laboratory per week. Prerequisites: BIOL 454, HSMT 252, and HSMT 353.
- HSMT 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.

HSMT 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.
HSMT 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: BIOL 347, BIOL 454, HSMT 252, HSMT 353, and HSMT 356.
HSMT 362	Hematology II (3) Study of the cellular elements of blood (formation, function, and morphology) in diseases that lead to the definition, diagnosis, and validity of test results. One hour of lecture and four hours of laboratory per week. Prerequisites: HSMT 352 and HSMT 353.
HSMT 364	Immunoematology II (3) Continuation of HSMT 354 with emphasis on antibody assessments, crossmatching techniques, component therapy, transfusion-associated diseases, problem solving techniques, and quality assurance procedures. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 354.
HSMT 365	Medical Chemistry II (3) Evaluation of chemical parameters to establish the relationship between the disease state and chemical variations from normal. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSMT 355.
HSMT 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. Prerequisites: HSMT 359.
HSMT 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. Prerequisites: Senior standing and consent of the Program Director.
HSMT 467	Blood Bank (4) Clinical practicum focusing on the performance of antibody assessments, compatibility phlebotomy, component preparation, donor processing of donated blood, and quality assurance. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the Program Director.
HSMT 468	Clinical Microbiology (4) Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the Program Director.
HSMT 469	Clinical Biochemistry (4) Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the Program Director.

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. Corequisites: 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. Corequisite: HSRT 232.
- 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. Corequisites: 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. Corequisites: 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. Corequisite: HSRT 222.
- HSRT 307** **Respiratory Care Applications II** (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. Six hours of laboratory per week. Prerequisites: HSRT 222 and HSRT 232. Corequisites: 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. Corequisite: HSRT 331.
- 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. Six hours of laboratory per week. Corequisite: HSRT 332.
- 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. Six hours of laboratory per week. Corequisite: HSRT 333.

HSRT 325	Pediatric Clinical Practicum (2) Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Twelve hours of laboratory per week. Corequisite: HSRT 340.
HSRT 330	Applied Procedures and Equipment (3) Study of airway management, resuscitation, continuous assisted ventilation. Specific mechanics and applications of equipment/techniques utilized in corresponding clinical sites. Three hours of lecture per week. Corequisites: 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. Corequisite: HSRT 321.
HSRT 332	Applied Procedures and Equipment (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. Corequisite: HSRT 322.
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. Corequisite: HSRT 323.
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 230 or HSRT 231.
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. Corequisite: 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. Two hours of lecture and six hours of laboratory per week. Prerequisites: Completion of all other professional HSRT courses and consent of the Program Director.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
ENVIRONMENTAL HEALTH
TOTAL CREDITS REQUIRED: 149**

CORE CURRICULUM* (STANDARD)	MAJOR (ENVIRON HEALTH)	OTHER REQUIREMENTS
44 credits	63 credits	42 credits
ENG 131 (3)**	HSEH 232 (3)	BIOL 121 (2)
ENG 132 (3)	HSEH 233 (4)	BIOL 122 (2)
SC 135 or 136 (3)	HSEH 234 (3)	BIOL 131 (3)
MATH 133 (3)	HSEH 235 (3)	BIOL 132 (3)
CHEM 111, 131 (4)	HSEH 334 (3)	BIOL 245 or 344 (4)
CHEM 112, 132 (4)	HSEH 337 (4)	CHEM 211 (1)
ENG 200 Level (3)	HSEH 338 (3)	CHEM 212 (1)
Visual &	HSEH 339 (3)	CHEM 231 (3)
Performing	HSEH 344 (4)	CHEM 232 (3)
Arts (3) ***	HSEH 425 (3)	HSCR 150 (3)
HIST 231 (3)	HSEH 431 (3)	HSCR 260 (3)
HIST 232 (3)	HSEH 432 (3)	HSCR 360 (3)
POLS 231 (3)	HSEH 433 (3)	MATH 134 (3)
POLS 232 (3)	HSEH 434 (3)	PHYS 215 (1)
PSY 131 (3)	HSEH 435 (3)	PHYS 216 (1)
CS 116 (3)	HSEH 442 (3)	PHYS 237 (3)
	HSEH 450 (3)	PHYS 238 (3)
	HSEH 451 (3)	
	HSEH 460 (6)	

* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

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

*** Select from the following courses: ART 131 or 132, THC 130 or 231, MUSI 131 or 239.

**DEGREE PLAN LEADING TO THE
BACHELOR OF SCIENCE DEGREE IN
ENVIRONMENTAL HEALTH
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 121 (Biological Science I Laboratory), 2 cr
BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry I Laboratory), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
MATH 133 (College Algebra), 3 cr
ENG 131 (Freshman English I), 3 cr
VISUAL AND PERFORMING ARTS,* 3 cr

Second Semester

BIOL 122 (Biological Science II Laboratory), 2 cr
BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry II Laboratory), 1 cr
CHEM 132 (General Chemistry II, Lecture), 3 cr
ENG 132 (Freshman English II), 3 cr
HSCR 150 (Concepts of Health), 3 cr
MATH 134 (Plane Trigonometry), 3 cr

Sophomore

First Semester

CHEM 211 (Organic Chemistry I Laboratory), 1 cr
CHEM 231 (Organic Chemistry I, Lecture), 3 cr
ENG 230-244 (English Literature), 3 cr
HIST 231 (Social & Political History of the U.S.), 3 cr
PHYS 215 (General Physics I Laboratory), 1 cr
PHYS 237 (General Physics Life Science Students I, Lecture), 3 cr
POLS 231 (American Political Systems I), 3 cr
SOC 157 (Sociology), 3 cr

Second Semester

CHEM 212 (Organic Chemistry II Laboratory), 1 cr
CHEM 232 (Organic Chemistry II, Lecture), 3 cr
CS 116 (Computer Introduction), 3 cr
HSCR 260 (Biomedical Ethics), 3 cr
PHYS 216 (General Physics II Laboratory), 1 cr
PHYS 238 (General Physics Life Science Students II, Lecture), 3 cr
POLS 232 (American Political Systems II), 3 cr
SC 233 (Speech Communication), 3 cr

Junior

First Semester

HSEH 232 (Introduction to Environmental Health), 3 cr
HSEH 233 (Epidemiology and Biostatistics), 4 cr
HSEH 234 (Health Physics), 3 cr
HSEH 235 (Human Ecology), 3 cr
HSEH 344 (Environmental Chemistry), 4 cr
BIOL 245 (Human Anatomy and Physiology), 4 cr

Second Semester

HSEH 337 (Environmental Microbiology), 4 cr
HSEH 338 (Water Pollution and Control), 3 cr
HSCR 360 (Principles of Disease), 3 cr
HSEH 425 (Insect and Vector Control), 3 cr
HSEH 433 (Institutional Health and Safety), 3 cr
HSEH 434 (Sewage Treatment and Disposal), 3 cr

First Summer

HSEH 460 (Environmental Internship), 3 cr

Second Summer

HSEH 460 (Environmental Internship), 3 cr

Senior**First Semester**

HSEH 334 (Public Health Organization and Administration), 3 cr
HSEH 339 (Air Pollution and Control), 3 cr
HSEH 442 (Occupational Safety and Health), 3 cr
HSEH 450 (Environmental Toxicology), 3 cr

Second Semester

HSEH 431 (Solid Waste Management), 3 cr
HSEH 432 (Hazardous Waste Management), 3 cr
HSEH 435 (Environmental Health Problems), 3 cr
HSEH 451 (Environmental Impact Assessment), 3 cr

*Visual and Performing Arts: THC 130, 231; MUSI 131, 239; ART 131, 132

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

CORE CURRICULUM* (STANDARD)	MAJOR (HEALTH ADMIN)	OTHER REQUIREMENTS
44 credits	39 credits	45 credits
ENG 131 (3)**	HSHA 211 (3)	HSCR 150 (3)
ENG 132 (3)	HSHA 262 (3)	HSCR 260 (3)
SC 135 or 136 (3)	HSHA 312 (3)	HSCR 300 (1)
MATH 133 (3)	HSHA 313 (3)	HSCR 360 (3)
CHEM 111, 131 (4) or	HSHA 314 (3)	HSCR 361 (3)
BIOL 121, 131 (5)	HSHA 361 (3)	MATH 134 (3)
CHEM 112, 132 (4) or	HSHA 363 (3)	PA 271 (3)
BIOL 122, 132 (5)	HSHA 411 (6)^^	PA 301 (3)
ENG 2xx (3)	HSHA 412 (3)	PA 302 (3)
ART 131 or ART 132 (3)	HSHA 413 (3)	PA 311 (3)
HIST 231 (3)	HSHA 414 (3)	PA 312 (3)
HIST 232 (3)	HSHA 451 (3)	PA 313 (3)
POLS 231 (3)		PA 321 (3)
POLS 232 (3)		PE 1xx (1)
PSY 131 (3)		PE 1xx (1)
CS 116 (3)		Free Electives (6)

* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

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

^^ HSHA 411 must be taken twice where each enrollment counts for 3 credits.

**DEGREE PLAN LEADING TO THE
BACHELOR OF SCIENCE DEGREE IN
HEALTH ADMINISTRATION
BY LEVEL AND SEQUENCE**

Freshman

First Semester

CHEM 111 (General Chemistry Lab I) or BIOL 111 (Biological Science Lab I), 1 cr
CHEM 131 (General Chemistry I) or BIOL 131 (Biological Science I), 3 cr
ENG 131 (Freshman English), 3 cr
HSCR 150 (Concepts of Health), 3 cr
MATH 133 College Algebra, 3 cr
PE 101-125 (Physical Education) , 1 cr
PSY 131(Psychology) or SOC (Sociology) 141, 3 cr

Second Semester

CHEM 112 (General Chemistry Lab II) or BIOL 122 (Biological Science Lab II), 1 cr
CHEM 132 (General Chemistry II) or BIOL 132 (Biological Science II), 3 cr
CS 116 (Computer Introduction), 3 cr
ENG 132 (Freshman English), 3 cr
HIST 231 (Social & Political History of U.S.), 3 cr
MATH 134 (Trigonometry College Math II), 3 cr
PE 101-125 (Physical Education), 1 cr

Sophomore

First Semester

ART 131 or 132* (Drawing and Composition), 3 cr
HIST 232 (Social & Political History of U.S. II), 3 cr
HSHA 211 (Health Information Systems), 3 cr
ENG 230-244 (English Literature), 3 cr
POLS 231 (American Political Systems I), 3 cr

Second Semester

HSCR 260 (Biomedical Ethics), 3 cr
HSCR 300 (Health Sciences Seminar), 1 cr
HSHA 262 (Public Policy and Health Care), 3 cr
PA 271 (Intro to Public Administration), 3 cr
SC 233 or SC 135 (Speech Communications), 3 cr
POLS 232 (American Political Systems II), 3 cr

Junior

First Semester

HSCR 360 (Principles of Disease), 3 cr
HSHA 312 (Health Administration in School Systems), 3 cr
HSHA 313 (Health Care of the Poor), 3 cr
HSHA 361 (Long Term Care), 3 cr
PA 301 (Research Methods in Public Administration), 3 cr
PA 311 (Introduction to Public Sector Planning), 3 cr

Second Semester

HSCR 361 (Research for Health Professionals), 3 cr
HSHA 314 (Finance and Economics of Health Care), 3 cr
HSHA 363 (Ambulatory Health Care), 3 cr
PA 302 (Quantitative Methods in Public Adm.)
PA 312 (Public Budgeting), 3 cr
PA 313 (Organization Behavior and Management), 3 cr

Senior

First Semester

HSHA 412 (Legal, Ethical, and Biomedical Aspects of Health Care), 3 cr

HSHA 413 (Seminar in Community Health), 3 cr

HSHA 414 (Seminar in Issues in Health Care), 3 cr

HSHA 451 (Health Care of the Aged), 3 cr

PA 321 (Personnel Administration), 3 cr

Free Elective, 3 cr

Second Semester

HSHA 411 (Health Administration Internship), (6) (2 sections)

Free Elective, 3 cr

*Visual and Performing Arts: THC 130, 231; MUSI 131, 239; ART 131, 132

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
HEALTH INFORMATION MANAGEMENT
TOTAL CREDITS REQUIRED: 137**

CORE CURRICULUM* (STANDARD)	MAJOR (HEALTH INFO MGMT)	OTHER REQUIREMENTS
44 credits	45 credits	48 credits
ENG 131 (3)**	HSMR 362 (3)	BIOL 121 (2) ¹
ENG 132 (3)	HSMR 363 (3)	BIOL 122 (2) ¹
SC 135 or 136 (3)	HSMR 363L (2)	BIOL 131 (3) ²
MATH 133 (3)	HSMR 364 (3)	BIOL 132 (3) ²
BIOL 135 (4)	HSMR 364L (2)	BIOL 246 (4)
BIOL 136 (4)	HSMR 365 (2)	HSCR 150 (3)
ENG 200 Level (3)	HSMR 366 (2)	HSCR 260 (3)
ART 131 or ART 132 (3)	HSMR 373 (2)	HSCR 300 (1)
HIST 231 (3)	HSMR 374 (2)	HSCR 360 (3)
HIST 232 (3)	HSMR 401 (1)	HSCR 361 (3)
POLS 231 (3)	HSMR 402 (1)	MATH 135 (3)
POLS 232 (3)	HSMR 473 (3)	MGMT 300 (3)
PSY 131 (3)	HSMR 474 (3)	MGMT 301 (3)
CS 116 (3)	HSMR 475 (3)	MGSC 239 (3)
	HSMR 476 (4)	Free Electives (9)
	HSMR 477 (4)	
	HSMR 478 (2)	
	HSMR 479 (3)	

*Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

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

¹May together be substituted with CHEM 131 and 111 or with PHYS 235 and 215.

²May together be substituted with CHEM 132 and 112 or with PHYS 236 and 216.

**DEGREE PLAN LEADING TO THE
BACHELOR OF SCIENCE DEGREE IN HEALTH INFORMATION MANAGEMENT
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 121 (Biological Science Laboratory I), 2 cr
BIOL 131 (Biological Science I, Lecture), 3 cr
HSCR 150 (Concepts of Health), 3 cr
ENG 131 (Freshman English), 3 cr
HIST 231 (Social and Political History of U.S. to 1877), 3 cr
MATH 133 (College Algebra), 3 cr
Visual and Performing Arts*, 3 cr

Second Semester

BIOL 122 (Biological Science Laboratory II), 2 cr
BIOL 132 (Biological Science II, Lecture), 3 cr
CS 116 (Computer Introduction), 3 cr
ENG 132 (Freshman English), 3 cr
HIST 232 (Social and Political History of U.S. since 1877) (3)
MATH 134 (Trigonometry) or MATH 135 (Math for Business), 3 cr
PSY 131 (General Psychology), 3 cr

Sophomore

First Semester

BIOL 135 (Human Anatomy and Physiology 1), 4 cr
HSCR 260 (Biomedical Ethics), 3 cr
ENG 230-244 (English Literature), 3 cr
SC 233 (Communication Skills for Health Professionals), 3 cr
POLS 231 (American Political Systems I), 3 cr

Second Semester

BIOL 136 (Human Anatomy and Physiology I), 4 cr
BIOL 246 (Microbiology for Health Related Professions), 4 cr
HSCR 300 (Health Sciences Seminar), 1 cr
MGSC 239 (Business Statistics I), 3 cr
POLS 232 (American Political Systems II), 3 cr

Junior

First Semester

HSCR 360 (Principles of Disease), 3 cr
HSMR 362 (Medical Terminology/Word Processing), 3 cr
HSMR 363 (Basic Foundations I), 3 cr
HSMR 363L (Basic Foundations Laboratory), 2 cr
HSMR 365 (Directed Practice), 2 cr
HSMR 366 (Legal Aspects), 2 cr

Second Semester

HSCR 361 (Research for Health Professionals), 3 cr
HSMR 373 (Basic Foundations II), 2 cr
HSMR 364 (Management of Health Data I), 3 cr
HSMR 364L (Management of Health Data Laboratory), 2 cr
MGMT 300 (Business Organization and Management), 3 cr
MGMT 301 (Personnel and Manpower Development), 3 cr
Elective, 3 cr

Senior

First Semester

HSMR 374 (Management of Health Data II), 2 cr
HSMR 401 (In-Service Training for Health Information Managers), 1 cr
HSMR 473 (Quality Assurance Management), 3 cr
HSMR 474 (Computerized Health Information Systems), 3 cr
HSMR 475 (Directed Practice II), 3 cr
Elective, 3 cr

Second Semester

HSMR 402 (Comprehensive Health Information Management), 1 cr
HSMR 476 (Preceptorship), 4 cr
HSMR 477 (Management of Health Information Systems), 4 cr
HSMR 478 (Problems in Medical Records/Health Information Management), 2 cr
HSMR 479 (Health Information Personnel Management), 3 cr
Elective, 3 cr

*Visual and Performing Arts: THC 130, 231; MUSI 131, 239; ART 131, 132

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
CLINICAL LABORATORY SCIENCES
TOTAL CREDITS REQUIRED: 135**

CORE CURRICULUM* (STANDARD)	MAJOR (MEDICAL TECH)	OTHER REQUIREMENTS
44 credits	59 credits	32 credits
ENG 131 (3)**	HSMT 252 (3)	BIOL 131 (3)
ENG 132 (3)	HSMT 304 (1)	BIOL 132 (3)
SC 135 or 136 (3)	HSMT 305 (1)	BIOL 245 (4)
MATH 133 (3)	HSMT 306 (1)	BIOL 347 (4)
CHEM 111, 131 (4)	HSMT 352 (4)	CHEM 211 (1)
CHEM 112, 132 (4)	HSMT 353 (4)	CHEM 231 (3)
ENG 200 Level (3)	HSMT 354 (3)	CHEM 212 (1)^
ART 131 or ART 132 (3)	HSMT 355 (3)	CHEM 232 (3)^
HIST 231 (3)	HSMT 356 (4)	HSCR 150 (3)
HIST 232 (3)	HSMT 357 (3)	HSCR 260 (3)
POLS 231 (3)	HSMT 358 (2)	HSCR 300 (1)
POLS 232 (3)	HSMT 359 (3)	HSCR 360 (3)
PSY 131 (3)	HSMT 362 (3)	
CS 116 (3)	HSMT 364 (3)	
	HSMT 365 (3)	
	HSMT 369 (2)	
	HSMT 466 (4)	
	HSMT 467 (4)	
	HSMT 468 (4)	
	HSMT 469 (4)	

*Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

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

^ CHEM 445 may be taken in lieu of CHEM 212 and CHEM 232.

**DEGREE PLAN LEADING TO THE
BACHELOR OF SCIENCE DEGREE IN
CLINICAL LABORATORY SCIENCES
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry I Laboratory), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
ENG 131 (Freshman English), 3 cr
HSCR 150 (Concepts of Health), 3 cr
MATH 133 (College Algebra), 3 cr
SC 135 or 136 (Speech Communication), 3 cr

Second Semester

BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry II Laboratory), 1 cr
CHEM 132 (General Chemistry II, Lecture), 3 cr
CS 116 (Computer Science), 3 cr
ENG 132 (Freshman English), 3 cr
PSY 131 (Psychology Lecture), 3 cr

Sophomore

First Semester

BIOL 245 (Human Anatomy and Physiology), 3 cr
BIOL 454 (Immunology), 3 cr
CHEM 211 (Organic Chemistry I Laboratory), 1 cr
CHEM 231 (Organic Chemistry I, Lecture), 3 cr
HIST 231 (Social and Political History of U.S. I), 3 cr
VISUAL AND PERFORMING ARTS* 3 cr
POLS 231 (American Political Systems I), 3 cr

Second Semester

BIOL 347 (Microbiology), 4 cr
CHEM 212 (Organic Chemistry II Laboratory), 1 cr
CHEM 232 (Organic Chemistry II, Lecture), 3 cr
HIST 231 (Social and Political History of U.S. I), 3 cr
POLS 232 (American Political Systems II), 3 cr
ENG 230-244 (English Literature), 3 cr

Summer Session

HSCR 260 (Biomedical Ethics), 3 cr
HSCR 360 (Principles of Disease), 3 cr

Junior

First Semester

HSMT 304 (Clinical Laboratory Science Applications I), 1 cr
HSMT 352 (Hematology I), 4 cr
HSMT 353 (Clinical Microscopy and Quality Control), 4 cr
HSMT 354 (Immunohematology I), 3 cr
HSMT 355 (Medical Chemistry I), 3 cr
HSMT 359 (Microbial Human Disorders I), 3 cr

Second Semester

HSMT 252 (Serology Practice and Procedures), 3 cr
HSMT 305 (Clinical Laboratory Science Applications II), 1 cr
HSMT 362 (Hematology II), 3 cr
HSMT 364 (Immunohematology II), 3 cr
HSMT 365 (Medical Chemistry II), 3 cr
HSMT 369 (Microbial Human Disorders II), 2 cr

Summer Session

HSMT 356 (Hemostatic Processes), 4 cr

Senior**First Semester**

HSMT 306-MGMT (Health Sciences Seminar), 1 cr
HSMT 357 (Practicum I), 3 cr
HSMT 467 (Blood Bank), 4 cr
HSMT 469 (Clinical Biochemistry), 4 cr

Second Semester

HSCR 300 (Health Sciences Seminar), 1 cr
HSMT 358 (Clinical Immunology), 2 cr
HSMT 466 (Clinical Hematology), 4 cr
HSMT 468 (Clinical Microbiology), 4 cr
HSMT 306-RESEARCH (Comprehensive Clinical Laboratory Science), 1 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN
RESPIRATORY THERAPY
TOTAL CREDITS REQUIRED: 147**

CORE CURRICULUM* (STANDARD)	MAJOR (RESP THERAPY)	OTHER REQUIREMENTS
44 credits	66 credits	37 credits
ENG 131 (3)**	HSRT 220 (2)	BIOL 131 (3)
ENG 132 (3)	HSRT 222 (2)	BIOL 132 (3)
SC 135 or 136 (3)	HSRT 230 (3)	BIOL 245 (4)
MATH 133 (3)	HSRT 231 (3)	BIOL 246 (4)
CHEM 111, 131 (4)	HSRT 232 (3)	BIOL 460 (3)
CHEM 112, 132 (4)	HSRT 307 (1)	HSCR 150 (3)
ENG 200 Level (3)	HSRT 308 (1)	HSCR 260 (3)
ART 131 or	HSRT 320 (2)	HSCR 300 (1)
ART 132 (3)	HSRT 321 (2)	HSCR 360 (3)
HIST 231 (3)	HSRT 322 (2)	MATH 134 (3)
HIST 232 (3)	HSRT 323 (2)	PHAR 212 (1)
POLS 231 (3)	HSRT 325 (2)	PHYS 237 (3)
POLS 232 (3)	HSRT 330 (3)	PHYS 238 (3)
PSY 131 (3)	HSRT 331 (3)	
CS 116 (3)	HSRT 332 (3)	
	HSRT 333 (3)	
	HSRT 334 (3)	
	HSRT 340 (3)	
	HSRT 420 (2)	
	HSRT 435 (3)	
	HSRT 440 (4)	
	HSRT 441 (4)	
	HSRT 453 (5)	
	HSRT 454 (5)	

* Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

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

**DEGREE PLAN LEADING TO THE
BACHELOR OF SCIENCE DEGREE IN
RESPIRATORY THERAPY
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry I Laboratory), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
ENG 131 (Freshman English I), 3 cr
MATH 133 (College Algebra), 3 cr
Visual and performing arts* 3 cr

Second Semester

BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry II Laboratory), 1 cr
CHEM 132 (General Chemistry II, Lecture), 3 cr
ENG 132 (Freshman English II)
MATH 134 (Trigonometry College Math II). 3 cr
PHAR 212 (Medical Terminology), 1 cr
HSCR 260 (Biomedical Ethics), 3 cr

Sophomore

First Semester

BIOL 245 (Human Anatomy and Physiology), 4 cr
ENG 230-244 (English Literature), 3 cr
HIST 231 (Social & Political History of the U.S.), 3 cr
PHYS 237 (General Physics Life Science I, Lecture), 3 cr
POLS 231 (American Political Systems I), 3 cr

Second Semester

HSRT 220 (Respiratory Therapy Clinical Practicum), 2 cr
HSRT 230 (Introduction to Respiratory Therapy), 3 cr
HSRT 231 (Cardiopulmonary Systems), 3 cr
HIST 232 (Social & Political History of U.S. II), 3 cr
POLS 232 (American Political Systems II), 3 cr
PHYS 238 (General Physics Life Science II, Lecture), 3 cr

Summer First Term

HSRT 222 (Developmental Practicum in Clinical Applications), 2 cr
HSRT 232 (Intermediate Clinical Applications), 3 cr
PSY 131 (General Psychology), 3 cr

Summer Second Term

HSCR 150 (Concepts of Health), 3 cr
CS 116 (Computer Introduction), 3 cr

Junior

First Semester

HSRT 320 (Applied Procedures and Equipment-Clinical Practicum III), 2 cr
HSRT 321 (Respiratory Therapy Clinical Practicum IV), 2 cr
HSRT 325 (Pediatric Clinical Practicum), 2 cr
HSRT 330 (Applied Procedures and Equipment), 3 cr
HSRT 331 (Theoretical and Applied Respiratory Therapy), 3 cr
HSRT 334 (Respiratory Care Pharmacotherapy), 3 cr
HSRT 340 (Neonatal and Pediatric Respiratory Care), 3 cr

Second Semester

BIOL 246 (Microbiology for Health Care Professionals), 4 cr
HSCR 300 (Seminar in Health Sciences), 1 cr
HSCR 360 (Principles of Disease), 3 cr
HSRT 322 (Respiratory Therapy Clinical Practicum V), 2 cr
HSRT 323 (Respiratory Therapy Clinical Practicum VI), 2 cr
HSRT 332 (Applied Procedures and Equipment), 3 cr
HSRT 333 (Cardiopulmonary Diseases), 3 cr

Summer First Term

HSRT 307 (Respiratory Care Applications I), 1 cr
HSRT 454 (Critical Care and Internship), 5 cr

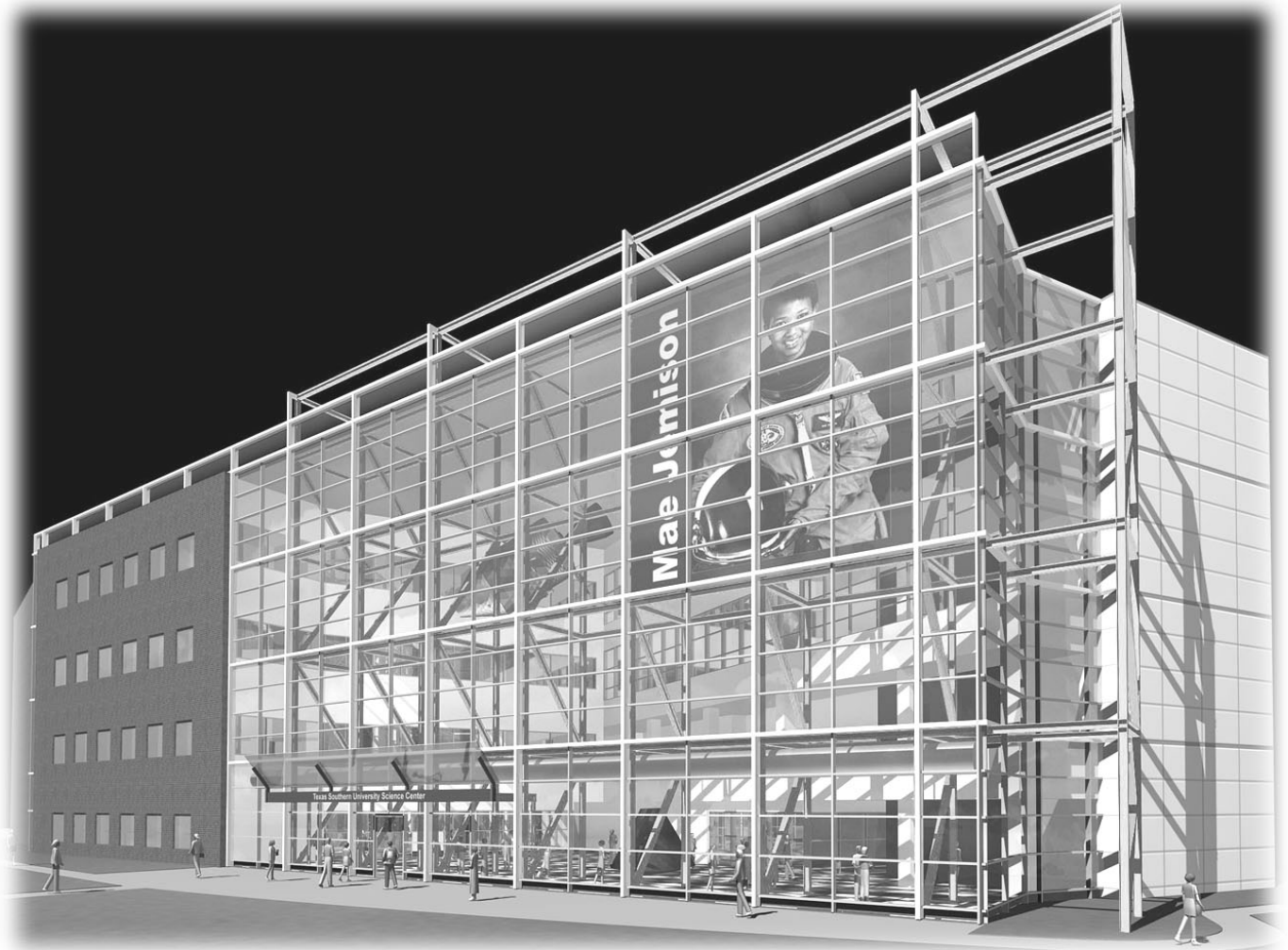
Senior**First Semester**

BIOL 460 (Biostatistics), 3 cr
HSRT 308 (Respiratory Care Applications II), 1 cr
HSRT 420 (Comprehensive Respiratory Care), 2 cr
HSRT 440 (Respiratory Therapy Management I), 4 cr
SC 233 (Speech Communications for Health Professionals), 3 cr

Second Semester

HSRT 435 (Electrocardiographic Technology), 3 cr
HSRT 441 (Respiratory Therapy Management II), 4 cr
HSRT 453 (Cardiopulmonary Technology), 5 cr

*Visual and Performing Arts: THC 130, 231; MUSI 131, 239; ART 131, 132



COLLEGE OF SCIENCE AND TECHNOLOGY

OVERVIEW

The College of Science and Technology at Texas Southern University consists of eight Departments: the Department of Biology, the Department of Chemistry, the Department of Computer Science and Physics, the Department of Engineering Technologies, 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, nine undergraduate and five graduate degrees are offered. For detailed information on the five 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
Biology	Bachelor of Science in Biology	Master of Science in Biology
Chemistry	Bachelor of Science in Chemistry	Master of Science in Chemistry
Computer Science	Bachelor of Science in Computer Science	Master of Science in Computer Science
Engineering Technologies	Bachelor of Science in Engineering Technology	None
Industrial Technologies	Bachelor of Science in Industrial Technology	Master of Science in Industrial Technology
Mathematics	Bachelor of Science in Mathematics	Master of Science in Mathematics
Physics	Bachelor of Science in Physics	
Transportation Studies	Bachelor of Science in Airway Computer Science	Master of Science in Transportation
	Bachelor of Science in Airway Management Science	Planning and Management

Administratively, the College of Science and Technology is headed by a Dean who is assisted by an Assistant Dean. Each of the seven departments is headed by a Faculty Chair who reports to the Dean. All administrative offices, classrooms, and research facilities for the College are primarily located in three facilities designated as follows: Airway Science Center, Nabrit Science Center, and Leonard H. O. Spearman Technology Building on the Campus.

MISSION STATEMENT

The primary mission of the College of Science and Technology at Texas Southern University is to prepare students to be proficient in the basic sciences, mathematics, and technologies in order for them to pursue careers in business, education, research, government, and industry. Thus, the mission of the College in teaching, research, and service is:

1. To educate a diverse population in the sciences, mathematics, and technologies for the professions.
2. To conduct research and scholarly pursuits for the advancement of knowledge.
3. To serve society and the communities consistent with the mission of the University.

As an instructional agent of the University, the College of Science and Technology has an additional service mission as stated below:

1. To provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University.
2. To prepare competent professionals and leaders capable of providing effective service and developing solutions to the problems of the nation and the world, especially in urban environs.

In pursuing its missions, the College embraces the following goals:

1. To maintain a quality research infrastructure in science and technology departments by supporting multidisciplinary research foci and individual faculty research pursuits and training.
2. To maintain the highest of faculty productivity in teaching and service by ensuring that instructional classrooms and laboratories are well equipped and supported with adequate materials and supplies.
3. To ensure quality in the undergraduate and graduate academic programs in the sciences and technologies by providing adequate instructional support along with qualified, experienced faculty.
4. To ensure the quality of student life and services in the science and technology departments by promoting student organizations, providing internship and cooperative education opportunities, and other exposures to career opportunities.

5. To ensure student academic success in science and technology majors by providing scholarships and other financial assistance, academic assistance and mentoring, and establishing retention and graduation rate objectives for science and technology departments.
6. To maintain a high visibility for faculty, staff, and students in the College of Science and Technology within academe, the research establishment, governmental/industrial/corporate organizations, and the public at large.

ADMISSION POLICIES

Students (either new or transfer) wishing to enroll in one of the programs of study leading to one of the nine undergraduate degrees offered through the College of Science and Technology must first gain admission to Texas Southern University through policies and procedures established by the University Director of Admissions. Once admitted, students are required to contact both the General University Academic Center (or GUAC) for advisement regarding the fulfillment of ASSET requirements and the department of choice in the College for additional advisement. Students may not officially declare majors until ASSET requirements have been fulfilled and identified deficiencies have been eradicated; however, they are eligible to enroll in some selected courses offered through the seven departments in the College once admitted. The seven 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 seven 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.

GENERAL COLLEGE POLICIES

1. All students enrolled in the College of Science and Technology are required to follow the sequence of courses outlined in their respective degree plans.
2. Students may not enroll in required advanced courses without satisfactorily completing the prerequisites for these courses whether they are offered through the College or through other colleges or schools at the University.
3. Students earning undergraduate degrees from the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.
4. For all undergraduate programs offered through the College, a common core of courses (interdisciplinary in nature) is required for completion of the respective degree requirements.
5. **Students may be required to pass a comprehensive exit examination prior to graduation.**
6. All students enrolled in the College are encouraged to secure either cooperative education or internship positions prior to graduation. Further information on these positions may be obtained from either the Office of the Dean of the College of Science and Technology or the University Cooperative Education and Placement Services Center.

ACCREDITATION

All programs in the College are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have professional accreditation as well. The Chemistry program is accredited by the American Chemical Society. The Electronics Engineering Technology Program in the Department of Engineering Technologies is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: (410)-347-7700. The undergraduate programs in the Department of Industrial Technologies are accredited by the National Association of Industrial Technology. The undergraduate programs in the Department of Transportation Studies are recognized by the Federal Aviation Agency and accredited by the National Association of Industrial Technology.

STUDENT ORGANIZATIONS

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

Alpha Eta Rho (AER)
American Association of Airport Executives (AAAE)
American Chemical Society Student Organization (ACS)
American Design Drafting Association (ADDA)
American Planning Association (APA)
Associated General Contractors, Inc. (AGC)
Beta Beta Beta Biological Honor Society
Environmental Toxicology Graduate Students Association
Flight Team
Instrument Society of America (ISA)
Institute of Electrical Electronics Engineers, Inc. (IEEE)
Institute of Transportation Engineers (ITE)
National Association of Industrial Technology (NAIT)
National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)
National Society of Black Engineers (NSBE)
National Technical Association (NTA)
Society of Manufacturing Engineers (SME)
Society of Sigma Xi

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.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The seven departments housed in the College of Science and Technology are described in detail on the pages that follow. They are described in the following order: Department of Biology, Department of Chemistry, Department of Computer Science and Physics, Department of Engineering Technologies, Department of Industrial Technologies, Department of Mathematics, and Department of Transportation Studies.

DEPARTMENT OF BIOLOGY

As one of the largest instructional units in the College of Arts and Sciences, the Department of Biology offers courses in Biology (BIOL), the Bachelor of Science (B.S.) Degree in Biology, the Master of Science (M.S.) Degree in Biology, and a minor in Biology for students pursuing majors in other departments where the declaration of a minor is required. The teaching facilities, research facilities, and faculty members for the Department are housed on the second and third floors of Nabrit Center with the Department Office located in Room 239.

Students interested in pursuing the Master of Science in Biology should consult the Graduate School Bulletin of Texas Southern University for further information.

In pursuing the B.S. in Biology, students may select from four curriculum tracks of study: Comprehensive, Pre-Medical/Pre-Dental/Pre-Veterinary, Pre-Optometry, and Pre-Physical Therapy. The Comprehensive Track is designed to prepare students for additional study at the graduate level in Biology, while the other three tracks are intended to prepare students for professional schools upon graduation. The specific requirements for the B.S. in Biology are described, in detail, below. **Students selecting to follow the Comprehensive Track must declare a minor in a second academic discipline if they are first-time degree seekers; however, students selecting to follow the remaining three tracks are not required to do so. In the selection of a minor, students following the Comprehensive Track are cautioned that grades of “C” or better must be earned in all courses designated for the minor, where grades of “C-” are unacceptable. Students selecting minors should also seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum or other requirements for the degree could impact the total number of credits required. In no case will a student qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.**

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.

Although the Department has no specific criteria for accepting majors and minors at the present time, interested students must first gain admission to the University, must satisfy ASSET requirements, must eradicate deficiencies identified at the time of admission through the General University Academic Center (GUAC), and must petition the Department for major or minor status as ASSET requirements are completed and deficiencies are eradicated. Once students have been admitted to the Department, they must maintain an overall GPA of, at least, 2.25 with respect to courses in the following cognate areas: Biology, Chemistry, Mathematics, and Physics. Students whose overall GPA's fall below 2.25 for two consecutive semesters and students who fail individual courses in these designated cognate areas 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 evaluate their transcripts at the beginning of their senior year to verify eligibility for degree conferral at the end of that year. **An exit examination is also required of graduating seniors.**

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 241 (3 credits), BIOL 243 (3 credits), and 9 additional 300-level or 400-level BIOL credits. In conjunction with these 21 credits, at least one year of college chemistry must be completed along with Mathematics 133 and 134. Although students are asked to take BIOL 121 (2 credits) and BIOL 122 (2 credits) as corequisites with BIOL 131 and BIOL 132, respectively, these 4 credits are not counted toward the completion of the minor in Biology. **Grades of “C” or better, where grades of “C-” are unacceptable, must be earned in Biology courses needed to satisfy the minor.**

In summary, students must first gain admission to the University, must satisfy ASSET requirements, and must petition the Department for major or minor status. Each student admitted is assigned an official advisor, and students admitted to major status who are interested in teaching in the public schools of Texas must 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)-313-7005.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Abdel-Rahman, Fawzia Professor B.Sc., University of Cairo, Egypt M.S., Ph.D., University of California at Davis</p>	<p>Hogan, Yvonne H Professor B.S., M.S., Ph.D., Howard University</p>
<p>DuMond, James W. Assistant Professor B.S., Eastern Montana College M.S., Montana Tech Ph.D., University of Alabama at Birmingham</p>	<p>Jackson, Desiree Assistant Professor B.S., State University of New York College at Brockport Ph.D., Meharry Medical College</p>
<p>Fadulu, Sunday O. Professor B.S., Oklahoma Baptist University M.S., Ph. D., University of Oklahoma</p>	<p>Jejelowo, Olufisayo Professor B.Sc. (Honors), University of Lagos, Nigeria M.Sc., Ph.D., University of Manchester, United Kingdom</p>
<p>Ghosh, Debabrata Professor B.Sc., The University of Calcutta, India M.S., Ph.D., Texas A & M University Post-Doctoral Studies, University of Texas at Austin</p>	<p>Ramesh, Govindarajan Assistant Professor B.S., M.S., Ph.D., University of Madras, India</p>
<p>Hillar, Marion Professor M.D., Ph.D., University Medical School at Gdansk, Poland</p>	<p>Williams, Warren Associate Professor B.S., M.S., Texas Southern University Ph.D., University of Illinois</p>

BIOLOGY COURSES

- BIOL 121** **Biological Science Laboratory I** (2)
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. Corequisite: BIOL 131. **Listed as BIOL 1106 in the Texas Common Course Numbering System.**
- BIOL 122** **Biological Science Laboratory II** (2)
Continuation of Biology 121 with emphasis on biological concepts and processes. One hour of lecture and two hours laboratory per week. Prerequisite: BIOL 121. Corequisite: BIOL 132. **Listed as BIOL 1107 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. Corequisite: BIOL 121. **Listed as BIOL 1306 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 121, BIOL 131. Co requisite: BIOL 122. **Listed as BIOL 1307 in the Texas Common Course Numbering System.**
- BIOL 135** **Human Anatomy and Physiology I** (4)
Course designed for health careers and pre-nursing students emphasizing the structure-function relationships of human organ systems. Three hours of lecture and three hours of laboratory per week. Prerequisites: BIOL 122 and BIOL 132. **Listed as BIOL 2401 in the Texas Common Course Numbering System.**
- BIOL 136** **Human Anatomy and Physiology II** (4)
Continuation of BIOL 135. Three hours of lecture and three hours of laboratory per week. Prerequisite: BIOL 135. **Listed as BIOL 2402 in the Texas Common Course Numbering System.**
- BIOL 143** **Survey of Life Science** (4)
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. Three hours of lecture and one hour of discussion/demonstrations per week. **Listed as BIOL 1408 in the Texas Common Course Numbering System.**
- BIOL 241** **Cell Biology** (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. Prerequisites: BIOL 121, BIOL 122, BIOL 131, BIOL 132, and one year of college level chemistry.
- BIOL 243** **Developmental Biology** (3)
Consideration of development in diverse organisms with an emphasis on comparative vertebrate development. Three hours of lecture per week. Prerequisites: BIOL 121, BIOL 122, 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. 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. Prerequisites: BIOL 135 and BIOL 136. **Listed as BIOL 2420 in the Texas Common Course Numbering System.**
- BIOL 248** **Experiments in Biology I** (4)
Key experiments in developmental, organismic, and environmental biology. One hour of lecture and five hours of laboratory per week. Prerequisite: Sophomore standing in Biology.

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 122 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. Prerequisites: BIOL 122 and BIOL 132.
BIOL 343	Ecology (3) 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 122 and BIOL 132.
BIOL 344	Human Anatomy and Histology (4) Anatomy of organ systems of humans with an emphasis on histochemistry of normal tissues as well those affected by drugs (designed primarily for pharmacy students). Three hours of lecture hours of laboratory per week.
BIOL 345	Ecology Laboratory (1) This course is designed for both field and laboratory ecological studies. Three hours of laboratory per week. Prerequisites: BIOL 122 and BIOL 132.
BIOL 347	Microbiology (4) 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. Prerequisites: One year of college level biology and organic chemistry.
BIOL 348	Experiments in Biology II (4) Key experiments in cell biology, biochemistry, cell physiology, and genetics. One hour of lecture and five hours of laboratory per week. Prerequisite: BIOL 248.
BIOL 401	Undergraduate Research (1) Designed to provide supervised experiences in the theoretical and experimental aspects of biological research to undergraduates. Three hours of laboratory per week. Prerequisite: Consent of the instructor.
BIOL 438	Plant Biology (3) 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. Prerequisites: BIOL 122 and BIOL 132.
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. Prerequisites: BIOL 122 and BIOL 132.
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. Prerequisites: BIOL 241 or BIOL 243 or BIOL 341.

BIOL 443	Molecular Biology	(4)
	Study of intracellular molecular processes. Three hours of lecture per week. Corequisite: BIOL 443L. Prerequisites: 2 years of college level biology and 2 years of college level chemistry; junior standing in Biology.	
BIOL 443L	Molecular Biology Laboratory	(0)
	Laboratory experiments and exercises to complement BIOL 443 Molecular Biology. Three hours of laboratory per week. Corequisite: BIOL 443. 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. Prerequisites: BIOL 122, 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. Prerequisites: BIOL 122, BIOL 132 and one year of college chemistry.	
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: Senior standing in Biology and/or 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: Senior standing in Biology.	
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. Prerequisite: 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 122, BIOL 132, and one year of college level mathematics.	
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. Prerequisites: Senior standing in Biology.	
BIOL 499	Biology Seminar	(1)
	Consideration of various biological problems and recent research. Required of graduating seniors in Biology. One hour of lecture per week. Prerequisite: Senior standing in Biology. Students may enroll for a maximum of two semesters.	

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
COMPREHENSIVE TRACK
TOTAL CREDITS REQUIRED: 125 - 144 (depends on minor selected)**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	42 credits	34 or 37 credits^^	21 credits
ENG 131 (3)**	BIOL 121 (2)	CHEM 211 (1)	Contact
ENG 132 (3)	BIOL 122 (2)	CHEM 212 (1)	Department of
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)	choice after
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)	being
CHEM 111, 131 (4)	BIOL 241 (3)	CS 117 (3)	admitted as
CHEM 112, 132 (4)	BIOL 243 (3)	Foreign	a Biology Major.
ENG 2xx (3)	BIOL 248 (4)	Language (6)	Chemistry is
MUSI 131 or	BIOL 338 (3)	MATH 134 (3)	highly
ART 131 (3)	BIOL 343 (3)	MATH 241 (4)	recommended as
HIST 231 (3)	BIOL 345 (1)	MATH 231	a minor
HIST 232 (3)	BIOL 348 (4)	or BIOL 460 (3)	for Biology
POLS 231 (3)	BIOL 340 (3)	PE 1xx (1)	majors.***
POLS 232 (3)	BIOL 450 (3)	PE 1xx (1)	
PSY 131 or	BIOL 499 (1)	PHYS 215 (1)	
SOC 157 or	plus	PHYS 216 (1)	
SOC 158 (3)	4 Upper Level BIOL	PHYS 237 (3)	
CS 116 (3)	credits selected from	PHYS 238 (3)	
	the following:		
	BIOL 341 (4), BIOL 347 (4),		
	BIOL 401 (1), BIOL 438 (3),		
	BIOL 439 (3), BIOL 441 (4),		
	BIOL 446 (1), BIOL 447 (3),		
	BIOL 448 (3), BIOL 452 (3),		
	BIOL 454 (3), BIOL 460 (3),		
	and 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), or CHEM 445 (4 credits) and CHEM 499 (1 credit). This is the case because of the number of CHEM credits required between the “core curriculum” and the “other requirements” categories, all of which are mutually required for the minor in Chemistry. 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.

^^ Exact number of credits will vary depending on the student’s choice of taking BIOL 460 or MATH 231.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE-MEDICAL, PRE-DENTAL, and PRE-VETERINARY TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS
44 credits	49 credits	36 credits
ENG 131 (3)**	BIOL 121 (2)	CHEM 211 (1)
ENG 132 (3)	BIOL 122 (2)	CHEM 212 (1)
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)
CHEM 111, 131 (4)	BIOL 241 (3)	CS 117 (3)
CHEM 112, 132 (4)	BIOL 243 (3)	Foreign Language (6)
ENG 2xx (3)	BIOL 248 (4)	HED 233 (2)
MUSI 131 or	BIOL 300 (1)	MATH 134 (3)
ART 131 (3)	BIOL 338 (3)	MATH 241 (4)
HIST 231 (3)	BIOL 340 (3)	PE 1xx (1)
HIST 232 (3)	BIOL 347 (4)	PE 1xx (1)
POLS 231 (3)	BIOL 348 (4)	PHYS 215 (1)
POLS 232 (3)	BIOL 441 (4)	PHYS 216 (1)
PSY 131 or	BIOL 446 (1)	PHYS 237 (3)
SOC 157 or	BIOL 447 or BIOL 448 (3)	PHYS 238 (3)
SOC 158 (3)	BIOL 452 (3)	
CS 116 (3)	BIOL 454 (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE - OPTOMETRY TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS
44 credits	43 credits	42 credits
ENG 131 (3)**	BIOL 121 (2)	CHEM 211 (1)
ENG 132 (3)	BIOL 122 (2)	CHEM 212 (1)
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)
CHEM 111, 131 (4)	BIOL 241 (3)	CS 117 (3)
CHEM 112, 132 (4)	BIOL 243 (3)	Foreign Language (6)
ENG 2xx (3)	BIOL 248 (4)	HED 233 (2)
MUSI 131 or	BIOL 300 (1)	MATH 134 (3)
ART 131 (3)	BIOL 338 (3)	MATH 241 (4)
HIST 231 (3)	BIOL 347 (4)	PE 1xx (1)
HIST 232 (3)	BIOL 348 (4)	PE 1xx (1)
POLS 231 (3)	BIOL 446 (1)	PHYS 215 (1)
POLS 232 (3)	BIOL 447 (3)	PHYS 216 (1)
PSY 131 or	plus	PHYS 237 (3)
SOC 157 or	7 Upper Level BIOL	PHYS 238 (3)
SOC 158 (3)	credits selected from	Free Electives (6)
CS 116 (3)	the following:	
	BIOL 340 (3), BIOL 341 (4),	
	BIOL 343 (3), BIOL 345 (1),	
	BIOL 347 (4), BIOL 401 (1),	
	BIOL 438 (3), BIOL 441 (4),	
	BIOL 448 (3), BIOL 452 (3),	
	BIOL 454 (3), BIOL 460 (3),	
	and 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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
PRE - PHYSICAL THERAPY TRACK ***
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (BIOLOGY)	OTHER REQUIREMENTS
44 credits	36 credits	49 credits
ENG 131 (3)**	BIOL 121 (2)	CHEM 211 (1)
ENG 132 (3)	BIOL 122 (2)	CHEM 212 (1)
SC 135 or 136 (3)	BIOL 131 (3)	CHEM 231 (3)
MATH 133 (3)	BIOL 132 (3)	CHEM 232 (3)
CHEM 111, 131 (4)	BIOL 241 (3)	CS 117 (3)
CHEM 112, 132 (4)	BIOL 243 (3)	Foreign Language (6)
ENG 2xx (3)	BIOL 248 (4)	HED 233 (2)
MUSI 131 or	BIOL 300 (1)	MATH 134 (3)
ART 131 (3)	BIOL 338 (3)	MATH 241 (4)
HIST 231 (3)	BIOL 348 (4)	PE 1xx (1)
HIST 232 (3)	BIOL 446 (1)	PE 1xx (1)
POLS 231 (3)	BIOL 447 (3)	PHYS 215 (1)
POLS 232 (3)	plus	PHYS 216 (1)
PSY 131 or	4 Upper Level BIOL	PHYS 237 (3)
SOC 157 or	credits approved	PHYS 238 (3)
SOC 158 (3)	by major advisor:	MGMT 101 (3)
CS 116 (3)	BIOL 340 (3), BIOL 341 (4),	SOC 141 (3)
	BIOL 343 (3), BIOL 345 (1),	PHAR 212 (1)
	BIOL 347 (4), BIOL 401 (1),	PSY 231 or SOCW 345 (3)
	BIOL 448 (3), BIOL 452 (3),	PSY 436 (3)
	BIOL 454 (3), BIOL 460 (3),	
	BIOL 461 (3), and BIOL 499 (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.

*** **Note: A total of 150 clock hours of a voluntary or paid experience in a physical therapy setting is required, of which 40 clock hours must be completed at a different facility.**

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
ALL TRACKS
BY LEVEL AND SEQUENCE**

Freshman

First Semester

BIOL 121 (Biological Science Laboratory I), 2 cr
BIOL 131 (Biological Science I, Lecture), 3 cr
CHEM 111 (General Chemistry Laboratory I), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
MATH 133 (College Algebra), 3 cr

Second Semester

BIOL 122 (Biological Science Laboratory II), 2 cr
BIOL 132 (Biological Science II, Lecture), 3 cr
CHEM 112 (General Chemistry Laboratory II), 1 cr
CHEM 132 (General Chemistry II, Lecture), 3 cr
MATH 134 (Plane Trigonometry), 3 cr

Sophomore

First Semester

BIOL 241 (Cell Biology), 3 cr
CHEM 211 (Organic Chemistry Laboratory I), 1 cr
CHEM 231 (Organic Chemistry I, Lecture), 3 cr
MATH 241 (Calculus and Analytic Geometry I), 3 cr

Second Semester

BIOL 243 (Developmental Biology), 3 cr
BIOL 248 (Experiments in Biology I), 4 cr
CHEM 212 (Organic Chemistry Laboratory II), 1 cr
CHEM 232 (Organic Chemistry II, Lecture), 3 cr

Junior

First Semester

Select Upper Level BIOL credits as required in degree track and approved by major advisor.

Second Semester

Select Upper Level BIOL credits as required in degree track and approved by major advisor.

Senior

First Semester

Select Upper Level BIOL credits as required in degree track and approved by major advisor.

Second Semester

Select Upper Level BIOL credits as required in degree track and approved by major advisor.

**CURRICULUM SUMMARY FOR
2-YEAR PRE-NURSING CURRICULUM
TOTAL CREDITS REQUIRED: 70**

CORE CURRICULUM* (STANDARD)	PRE-NURSING
44 credits	26 credits
ENG 131 (3)**	BIOL 131 (3)
ENG 132 (3)	BIOL 132 (3)
SC 135 or 136 (3)	BIOL 136 (4)
MATH 133 (3)	BIOL 246 (4)
CHEM 111, 131 (4)	FN 233 (3)
BIOL 135 (4)	PSY 131 (3)
PHIL 231 (3)	PSY 234 (3)
Visual & Performing Arts (3)	SOCW 345 (3)
HIST 231 (3) ³	
HIST 232 (3) ⁴	
POLS 231 (3) ³	
POLS 232 (3) ⁴	
SOC 157 (3)	
CS 116 (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 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. SOC 141 and HIST 349 are required.

Houston Baptist University (HBU): Six hours of foreign language is required to satisfy the Humanities requirements (Spanish is recommended). Two hours of Physical Education is required. FN 233 is not required.

**MAJOR/ASSOCIATED COURSES FOR THE
2-YEAR PRE-NURSING CURRICULUM
BY LEVEL AND SEQUENCE**

Freshman

First Semester

ENG 131 (Freshman English I), 3 cr
BIOL 131 (Biological Science I, Lecture), 3 cr
MATH 133, 3 cr
PSY 131 (General Psychology), 3 cr
SOC 157 (Introduction to Sociology), 3 cr

Second Semester

ENG 132 (Freshman English II), 3 cr
BIOL 132 (Biological Science II, Lecture), 3 cr
SC 135 (Business and Professional Communication), 3 cr, **or**
SC 136 (Public Address), 3 cr
CHEM 111 (General Chemistry Laboratory I), 1 cr
CHEM 131 (General Chemistry I, Lecture), 3 cr
Visual & Performing Arts, 3 cr

First Summer Session

HIST 231 (Social and Political History of the United States to 1877), 3 cr
POLS 231 (American Political Systems I), 3 cr

Second Summer Session

HIST 232 (Social and Political History of the United States since 1877), 3 cr
POLS 232 (American Political Systems II), 3 cr

Sophomore

First Semester

BIOL 135 (Human Anatomy and Physiology I), 4 cr
FN 233 (Elementary Nutrition), 3 cr
PHIL 231 (Introduction to Philosophy), 3 cr
SOCW 345 (Human Behavior in the Social Environment I), 3 cr

Second Semester

BIOL 136 (Human Anatomy and Physiology II), 4 cr
BIOL 246 (Microbiology for Health Related Professions), 4 cr
PSY 234 (Elementary Statistics), 3 cr
CS 116 (Introduction to Computer Science I), 3 cr

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 tracks leading to this degree are possible for majors: (1) an American Chemical Society (or ACS) approved track and (2) a pre-medical and a pre-dental track. **Both tracks are composite programs of study, and neither track requires the declaration of an official minor in another academic discipline.** The ACS approved track 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 third floor of Nabrit Center with the Department Office located in Room 325.

At the graduate level, one degree is offered: the Master of Science 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.

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.**

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 ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must contact the Department Office regarding the declaration of a major or minor as ASSET requirements are fulfilled. Although the Department has no specific criteria for accepting students as majors, it does have criteria for continuance once the major in Chemistry is declared. In order to remain as a candidate in good standing for the Bachelor of Science in Chemistry, a student must have an overall GPA of at least 2.50 with respect to courses taken in the following academic disciplines: Chemistry, Mathematics, and Physics. Students whose overall averages in these academic disciplines fall below 2.50 for two consecutive semesters and students who fail individual courses in these targeted areas more than once will be required to seek another major. **All required Chemistry (CHEM) courses must be completed with grades of “C” or better, where grades of “C-” are unacceptable, to qualify for graduation.** Completion of an exit examination, administered through the Department, is also required of all graduating seniors.

Each major in the Department is assigned a faculty advisor, and this advisor must approve the schedule of courses for assigned students each semester. Majors are expected to keep the Department Office informed of their current local addresses and telephone numbers up to the time of graduation. By the start of the first semester of their senior year, majors should have their transcripts evaluated by the Faculty Chair to ascertain graduation status and to assure themselves that they should be eligible for degree conferral at the end of the senior year.

In summary, interested students must first gain admission to the University, must fulfill ASSET requirements, 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. Assistant 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>Fennell, Pearlle Professor B.S., Huston-Tillotson College M.S., Texas Southern University Ph.D., University of Texas at Houston</p>	<p>Simmons-Willis, Tracey A. Assistant Professor B.S., University of Maryland Baltimore Ph.D., Louisiana State University</p>
<p>Ford, Robert L. Professor B.S., Southern University Ph.D., Purdue University</p>	<p>Wei, Xin Assistant Professor B.S., Nanjing University Ph.D. Nanjing University</p>
<p>Hunt, Frank J. Instructor B.S., M.S., Texas Southern University</p>	<p>Willis, Douglas M. Assistant Professor B.S., Texas Southern University Ph.D., Louisiana State University</p>
	<p>Wilson, Bobby L. Professor B.S., Alabama State University M.S., Southern University Ph.D., Michigan State University</p>

CHEMISTRY COURSES

- CHEM 111** **General Chemistry Laboratory I** (1)
Introduction to the methods and techniques of chemical experimentation. Three hours of laboratory per week. Prerequisite: Credit for or concurrent enrollment in CHEM 131. **Listed as CHEM 1111 in the Texas Common Course Numbering System.**
- CHEM 112** **General Chemistry Laboratory II** (1)
Continuation of CHEM 111. Three hours of laboratory per week. Prerequisites: CHEM 111 and credit for or concurrent enrollment in CHEM 132. **Listed as CHEM 1112 in the Texas Common Course Numbering System.**
- CHEM 131** **General Chemistry I** (3)
Introduction to modern theories of atomic structure, periodic trends, chemical bonding, molecular geometry, chemical reactions, including oxidation-reduction and stoichiometric calculations. Three hours of lecture per week. Corequisite: MATH 133. **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. **Listed as CHEM 1312 in the Texas Common Course Numbering System.**
- CHEM 143** **Inorganic Chemistry** (4)
Course for pre-nursing, human services/consumer sciences, and technology majors. Important topics: atomic structure, periodic classification of the elements, acid-base theory, oxidation, and reduction. Three hours of lecture and two hours of laboratory per week.
- CHEM 144** **Organic Chemistry** (4)
Survey course for pre-nursing and human services/consumer sciences majors. Study of the structure, physical properties, and reactions of alcohols, aldehydes, ketones, esters, amides, and amines. Three hours of lecture and two hours of laboratory per week. Prerequisite: CHEM 143 or CHEM 131.
- 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 Continuation of CHEM 231. Study of the structure (including stereochemistry), nomenclature, physical properties, and chemical reactions for alcohols, aldehydes, ketones, carboxylic acids and their derivatives, phenols and amines. Three hours of lecture per week. Prerequisite: CHEM 231. Listed as CHEM 2325 in the Texas Common Course Numbering System.	(3)
CHEM 322	Quantitative Analysis Laboratory Practical application of theory dealing with volumetric and gravimetric analysis. Four hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 332.	(2)
CHEM 332	Quantitative Analysis Study of reactions in solution, homogeneous and heterogeneous equilibrium concepts, and acid-base theory and the application of these concepts to volumetric and gravimetric analysis. Three hours of lecture per week. Prerequisite: CHEM 132.	(3)
CHEM 343	Biochemistry Course for human services/consumer sciences majors. Study of the chemistry of carbohydrates, proteins, lipids, digestion, and metabolism. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 144 or CHEM 231.	(4)
CHEM 411	Physical Chemistry Laboratory I Course involving application of the theory of physical chemistry to experimental procedures. An introduction of the use of computers to solve chemistry problems and to write laboratory reports. Three hours of laboratory per week. Prerequisites: CS 116, CHEM 322, and credit for or concurrent enrollment in CS 117, CHEM 431, and MATH 241.	(1)
CHEM 412	Physical Chemistry Laboratory II Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.	(1)
CHEM 431	Physical Chemistry I Study of important theory associated with states of matter, changes of state, chemical equilibria, thermochemistry, and thermodynamics. An introduction to vibration and rotational spectra. Three hours of lecture per week. Prerequisites: CHEM 232, CHEM 332, PHYS 238, and previous credit for or concurrent enrollment in MATH 241.	(3)
CHEM 432	Physical Chemistry II Continuation of CHEM 431. Three hours of lecture per week. Prerequisites: CHEM 431 and previous credit for or concurrent enrollment in MATH 242.	(3)
CHEM 445	Biochemistry Structure, physical properties, and chemical reactions of lipids, proteins, enzymes, and vitamins. An in-depth study of the processes of digestion and metabolism. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 212 and CHEM 232.	(4)
CHEM 450	Inorganic Chemistry I Upper-level course covering an in-depth study of inorganic compounds, including coordination theory, molecular-orbital theory, and ligand-field theory. Three hours of lecture per week. Prerequisites: MATH 242 and credit for or concurrent enrollment in CHEM 431 or consent of the Faculty Chair.	(3)
CHEM 451	Inorganic Chemistry II Upper-level course covering an in-depth study of the chemical elements and their compounds, including their structure, physical properties, methods of preparation, chemical reactions, and uses. Two hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 450 or approval of the Faculty Chair.	(3)

- CHEM 453** **Instrumental Methods** (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 chemistry majors select a problem for investigation in one or a combination of several areas of chemistry under the supervision of a member of the faculty designated by the Faculty Chair of the Department. Prerequisites: CHEM 132, CHEM 232, CHEM 332, CHEM 432, or approval of the Faculty Chair.
- CHEM 476** **Organic Mechanisms** (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. Offered as needed.
- 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. Offered as needed.
- 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 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 TRACK
TOTAL CREDITS REQUIRED: 134**

CORE CURRICULUM* (STANDARD)	MAJOR (CHEMISTRY)	OTHER REQUIREMENTS
44 credits	42 credits	48 credits
ENG 131 (3)**	CHEM 211, 231 (4)	BIOL 131 (3)
ENG 132 (3)	CHEM 212, 232 (4)	BIOL 132 (3)
SC 135 or 136 (3)	CHEM 322, 332 (5)	CS 117 (3)
MATH 136 (3)	CHEM 411, 431 (4)	MATH 241 (4)
CHEM 111, 131 (4)	CHEM 412, 432 (4)	MATH 242 (4)
CHEM 112, 132 (4)	CHEM 445 (4)	MATH 314 (4)
ENG 2xx (3)	CHEM 450 (3)	MATH 333 (3)
MUSI 131 or	CHEM 451 (3)	PHYS 217, 251 (6)
ART 131 (3)	CHEM 453 (3)	PHYS 218, 252 (6)
HIST 231 (3)	CHEM 454 (3)	Free Electives (12)
HIST 232 (3)	CHEM 477 (3)	
POLS 231 (3)	CHEM 499 (2)	
POLS 232 (3)		
PSY 131 or		
SOC 157 (3)		
CS 116 (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
PRE - MEDICAL AND PRE - DENTAL TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (CHEMISTRY)	OTHER REQUIREMENTS
44 credits	39 credits	46 credits
ENG 131 (3)**	CHEM 211, 231 (4)	BIOL 121, 131 (5)
ENG 132 (3)	CHEM 212, 232 (4)	BIOL 122, 132 (5)
SC 135 or 136 (3)	CHEM 322, 332 (5)	BIOL 241 (3)
MATH 133 (3)	CHEM 411, 431 (4)	BIOL 245 (4)
CHEM 111, 131 (4)	CHEM 412, 432 (4)	BIOL 460 (3)
CHEM 112, 132 (4)	CHEM 445 (4)	CS 117 (3)
ENG 2xx (3)	CHEM 450 (3)	MATH 134 (3)
MUSI 131 or	CHEM 451 (3)	MATH 241 (4)
ART 131 (3)	CHEM 453 (3)	MATH 242 (4)
HIST 231 (3)	CHEM 499 (2)	PHYS 215, 237 (4)
HIST 232 (3)	CHEM 4xx (3)	PHYS 216, 238 (4)
POLS 231 (3)		Free Electives (4)
POLS 232 (3)		
PSY 131 or		
SOC 157 (3)		
CS 116 (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.

MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
AMERICAN CHEMICAL SOCIETY (ACS) APPROVED TRACK
BY LEVEL AND SEQUENCE

Freshman

First Semester

CHEM 111 (Chemistry I Lab), 1 cr
CHEM 131 (Chemistry I Lecture), 3 cr
MATH 241 (Calculus I), 4 cr

Second Semester

CHEM 112 (Chemistry II Lab), 1 cr
CHEM 132 (Chemistry II Lecture), 3 cr
MATH 242 (Calculus II), 4 cr

Sophomore

First Semester

CHEM 211 (Organic Chemistry I Lab), 1 cr
CHEM 231 (Organic Chemistry I Lecture), 3 cr
MATH 314 (Calculus III), 4 cr
PHYS 217 (College Physics Laboratory I) 1 cr
PHYS 251 (College Physics I), 5 cr

Second Semester

CHEM 212 (Organic Chemistry II Lab), 1 cr
CHEM 232 (Organic Chemistry II Lecture), 3 cr
MATH 333 (Differential Equations), 3 cr
PHYS 218 (College Physics Laboratory II) 1 cr
PHYS 252 (College Physics II), 5 cr

Junior

First Semester

CHEM 411 (Physical Chemistry I Lab), 1 cr
CHEM 431 (Physical Chemistry I Lecture), 3 cr
CHEM 322 (Quantitative Analysis Lab), 2 cr
CHEM 332 (Quantitative Analysis Lec), 3 cr

Second Semester

CHEM 412 (Physical Chemistry II Lab), 1 cr
CHEM 432 (Physical Chemistry II Lecture), 3 cr
MATH 330 (Linear Algebra), 3 cr

Senior

First Semester

CHEM 450 (Inorganic Chemistry I Lecture), 3 cr
CHEM 453 (Instrumental Methods), 3 cr
CHEM 477 (Environmental Chemistry), 3 cr
CHEM 499 (Chemistry Seminar), 1 cr

Second Semester

CHEM 445 (Biochemistry), 4 cr
CHEM 451 (Inorganic Chemistry II Lecture), 3 cr
CHEM 454 (Research), 3 cr
CHEM 477 (Environmental Chemistry), 3 cr
CHEM 499 (Chemistry Seminar), 1 cr

MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
PRE-MEDICAL AND PRE-DENTAL TRACK
BY LEVEL AND SEQUENCE

Freshman

First Semester

CHEM 111 (Chemistry I Lab), 1 cr
CHEM 131 (Chemistry I Lecture), 3 cr
MATH 133 (College Algebra), 3 cr
BIOL 121 (General Biology I Lab), 2 cr
BIOL 131 (General Biology I Lecture), 3 cr

Second Semester

CHEM 112 (Chemistry II Lab), 1 cr
CHEM 132 (Chemistry II Lecture), 3 cr
MATH 134 (Trigonometry), 4 cr
BIOL 122 (General Biology II Lab), 2 cr
BIOL 132 (General Biology II Lecture), 3 cr

Sophomore

First Semester

CHEM 211 (Organic Chemistry I Lab), 1 cr
CHEM 231 (Organic Chemistry I Lecture), 3 cr
MATH 241 (Calculus I), 4 cr
BIOL 241 (Cell Biology), 4 cr

Second Semester

CHEM 212 (Organic Chemistry II Lab), 1 cr
CHEM 232 (Organic Chemistry II Lecture), 3 cr
MATH 242 (Calculus II), 4 cr
BIOL 245 (Anatomy & Physiology), 4 cr

Junior

First Semester

CHEM 322 (Quantitative Analysis Lab), 2 cr
CHEM 332 (Quantitative Analysis Lecture), 3 cr
PHYS 215 (Physics I Lab), 1 cr
PHYS 237 (Physics I Lecture), 3 cr

Second Semester

CHEM 450 (Inorganic Chemistry I), 3 cr
PHYS 216 (Physics II Lab), 1 cr
PHYS 238 (Physics II Lecture), 3 cr

Senior

First Semester

CHEM 411 (Physical Chemistry I Lab), 1 cr
CHEM 431 (Physical Chemistry I Lecture), 3 cr,
BIOL 460 (Biostatistics), 3 cr
CHEM 445 (Biochemistry), 4 cr

Second Semester

CHEM 412 (Physical Chemistry II Lab), 1 cr
CHEM 432 (Physical Chemistry II Lecture), 3 cr
CHEM 4XX Elective

DEPARTMENT OF COMPUTER SCIENCE

The programs offered by the Department of Computer Science lead to the Bachelor of Science or the Master of Science in Computer Science. Majors in other disciplines at TSU are also welcome to take Computer Science as a minor. These programs are designed primarily to prepare graduates for productive work in highly computer-dependent areas of business, government, and industry. In recent years, majors graduating from the program have attained their first jobs in business applications, computer software development, scientific and applied mathematical programming, and have gone to graduate school.

Computer Science is a rapidly evolving field, it is therefore important that the graduate's education be broad and fundamental so that new trends can more readily be followed. Our goal is to balance fundamentality and breadth with sufficient supervised practice so that our graduates are productive at the time they graduate but ready and willing to change with the field. Most graduates will be called to work in cooperation with professionals trained in other areas. Hence, the ability to work and communicate with others of different educational backgrounds is an important characteristic. Additionally, we require Computer Science majors to take a strong minor, preferably in Business or Mathematics.

Students majoring in Computer Science should set their goals beyond simple programming and should be preparing to:

1. Program well, both in design and implementation phases, and document what they have programmed
2. Analyze real-world problems in preparation for program design and implementation
3. Manage activities that are strongly computer dependent
4. Advance the fundamental theory of digital information processing.
5. Improve the tools that programmers and systems analysts use, i.e., to develop better software systems, better languages for communicating with computers, better web-based interfaces and databases, better problem solving methods.

Requirements for the Bachelor of Science in Computer Science are summarized below. Each student must be admitted by the Department, as a major before attempting to meet all of the requirements for the degree. The admission procedures are under continual review by the Departmental 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 General University Academic Center (GUAC) prior to admission to the department. The Department offices and facilities are housed on the first floor of Nabrit Center with the Department Office located in Room 100.

Students pursuing a Bachelor degree in CS must also have a declared minor in another academic discipline as first-time seekers of an undergraduate degree. The degree requirements along with the sequence in which major courses must be taken are provided at the end of this section.

Students must earn grades of "C" or better (where grades of "C-" are unacceptable) in all courses specific to either the major or the minor in Computer Science. Graduating seniors are also required to take an exit examination. **In addition, the following four courses must be completed with a grade of "B-" or better once admitted by the University:**

Computer Science 120 (Introduction to Programming in C++)
Computer Science 124 (Fundamentals of Machine Computation)
Computer Science 140 (Advanced Programming in C++)
Computer Science 243 (Computer Organization)

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 elective requirements.

In selecting a minor, as required for completion of the B.S. in Computer Science, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.

1For a Computer Science minor, twenty-one (21) semester credit hours are required through enrollment in the following courses: CS 124, CS140, CS 241, CS 243, CS 246 and six (6) additional junior/senior level CS credits of choice. Prior to pursuing this minor, students must seek advisement and approval from the Department Office. The prerequisites for CS 140 and CS 124 must also be met before pursuing this minor.

Students admitted to the Department as majors, as well as students pursuing a minor are each expected to maintain an overall GPA of 2.50 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 2.50 and students are within thirty (30) semester credit hours of graduation, they will be refused the privilege of recommendations from members of the faculty, but will retain official status in the Department.

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 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, and an exit examination is required. Questions may be directed to the Department Office at (713)-313-7991.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Criner, Oscar H. Professor B.S., Howard University Ph.D., University of California at Berkeley</p>	<p>Lin, Cheng-Feng Assistant Professor B.S., North East Missouri University M.S., University of Texas at Arlington Ph.D., Kennedy-Western University</p>
<p>Ghemri, Lila Assistant Professor B.S., M.S., University of Algiers Ph.D., University Of Bristol</p>	<p>Liu, Yiwei Visiting Assistant Professor B.S., Harbin Institute of Technology Ph.D., University of Houston</p>
<p>Javadi, John Visiting Instructor B.S., Texas Southern University M.S., University of Houston-Clear Lake</p>	<p>Ma, Li Visiting Instructor B.S., Peking University M.S., University of California at Los Angeles Ph.D. Candidate, University of California at Los Angeles</p>
<p>Javadian, Mohsen Associate Professor B.S., Texas Southern University M.S., University of Houston - Clear Lake</p>	<p>Roosta, Seyed Associate Professor B.S., University of Tehran M.S., University of Iowa Ph.D., University of Iowa</p>
<p>Kamel, Khaled Professor B.S., University of Cairo B.S., Ain-Shams M.S., University of Waterloo M.S., University of Cincinnati Ph.D., University of Cincinnati</p>	<p>Singh, Tarsem Professor B.S., M.S., San Jose State University Ph.D., Texas A & M University</p>

COMPUTER SCIENCE COURSES

- CS 116 **Introduction to Computer Science I (non-majors)** (3)
Study of fundamental concepts of computing: how computers work, what they can do, and how they can be used effectively. Topics covered: spreadsheets, word processing, databases, presentation software, multimedia/graphics software, program design and implementation, and fundamental computing theories. Three hours of lecture per week. **Listed in the Texas Common Course Numbering System as COSC 1300.**
- CS 117 **Introduction to Computer Science II (non-majors)** (3)
Introduction to World Wide Web applications and design, including Web scripting languages and HTML editors. Three hours of lecture per week.
- CS 120 **Introduction to Programming in C++** (3)
Introduction to principles of programming using the C++ programming language as a problem-solving tool. Analysis and formulation of problems for computer solutions. Systematic design, construction, and testing of programs. Required for computer science majors and minors. Three hours of lecture per week. Corequisite: CS120L
- CS 120L **Introduction to Programming in C++ Laboratory** (1)
Programming lab sessions during which, students acquire and strengthen their programming skills in C++. One hour of laboratory per week. Corequisite: CS120.
- CS 124 **Fundamentals of Machine Computation** (3)
Study of the theory and applications of discrete mathematical structures as a foundation for topics in computer science. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: MATH 136.
- CS 140 **Advanced Programming in C++** (3)
Extensive programming using concepts of structures, pointers, advanced file operations, classes, Inheritance, and polymorphism. Three hours of lecture per week. Prerequisite: CS 120
- CS 216 **Advanced Applications I (non-majors)** (3)
Designed for students interested in learning computer programming applications using VISUAL BASIC. Design, implementation, and testing of programs and graphical user interfaces. Process of using VISUAL BASIC to access object oriented model of other applications also considered. Three hours of lecture per week. Prerequisite: CS 117.
- CS 241 **Object Oriented Programming Using JAVA** (3)
The use of modern object oriented programming methodologies such as class inheritance, polymorphism, multithreading, generics, GUI components, and exceptions. JAVA programming language is used. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: CS 140.
- CS 243 **Computer Organization** (3)
Basic concepts of digital computers: Boolean algebra, combinatorial and sequential logic design, arithmetic/logic units, control units, memory units, and input/output units, flip flops, synchronized and asynchronous counters. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124 and CS 140.
- CS 246 **Data and File Structures** (3)
Advanced programming techniques and data structures including tables, linked lists, queues and stacks. Abstract data types, recursion, searching and sorting, hashing, binary trees. External storage devices and sequential and direct file organization, file processing techniques. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124, CS 140.

- CS 248 **Theory of Computation** (3)
 Introduction to automata and languages, computability and complexity of algorithms. This course covers graph theory, finite state automata, determinism non-determinism, regular expressions, context free and non-context free grammars, algorithm definition, algorithm complexity, class P, class NP algorithms and NP-completeness. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH241, CS 243. Corequisite:CS246
- 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. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 241, CS 248.
- CS 343 **Assembly and Computer Architecture** (3)
 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. Parallel architectures included. 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: CS342
- 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: CS246, CS 248.
- CS 354 **Logic Programming Using Prolog** (3)
 A thorough introduction to logic programming using Prolog. Includes a description of Prolog data objects such as predicates, clauses, facts, and queries and introduces the concepts of goal resolution through unification and negation as failure. Programming techniques using control, meta-logical and extra-logical predicates and arithmetic operations are also studied. Three hours of lecture per week. Prerequisite: CS 342.
- CS 356 **Numerical Analysis** (3)
 Numerical solution of nonlinear equations, integration, interpolation and data smoothing, 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** (1)
 A study of the ethical and social issues related to computers and computer networks. Introduction to the legal, social, and ethical issues of information technology and use. Information rights, property rights, professional conduct, social responsibility, and rigorous standards for software testing and reliability. Required for computer science majors. One hour of lecture per week. Prerequisite: Consent of the Faculty Chair.
- CS 444 **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 and CS 346

- CS 448 **Computer Networking** (3)
Study of current practices in computer networking including ISO standards, layered models, and protocols. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 444.
- CS 456 **Software Engineering and Testing** (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 444
- CS 457 **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 354 and CS 346
- 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, CS 356 and MATH 333
- CS 497 **Advanced Topics** (3)
Presentation of advanced topics in computer science by faculty and students. Three hours of lecture per week. Corequisite: CS 456.
- CS 498 **Senior Comprehensive** (0)
Senior Comprehensive examinations for graduating seniors. Prerequisites: Major Standing and Consent of the Faculty Chair.
- CS 499 **Capstone Project** (3)
Option for outstanding students to encourage independent study and development. Proposal must be submitted and approved during term preceding enrollment. Three hours of lecture per week. Prerequisite: Consent of the Faculty Chair. Corequisite: CS 456.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE
TOTAL CREDITS REQUIRED: 134**

CORE CURRICULUM (STANDARD)*	MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
45 credits	43 credits	25 credits	21 credits
ENG 131 (3)**	CS 124 (3)	MATH 241 (4)	Contact
ENG 132 (3)	CS 140 (3)	MATH 242 (4)	department of
SC 135 or 136 (3)	CS 241 (3)	MATH 330 (3)	choice after
MATH 136 (3)	CS 243 (3)	MATH 333 (3)	being admitted
CHEM 111, 131 (4)	CS 246 (3)	MATH 473 (3)	as a Computer
BIOL 143 (4)	CS 248 (3)	PHYS 215 (1)	Science Major
ENG 2xx (3)	CS 342 (3)	PHYS 216 (1)	by the Department.
MUSI 131	CS 343 (3)	PHYS 237 (3)	
or ART 131 (3)	CS 346 (3)	PHYS 238 (3)	
HIST 231 (3)	CS 415 (1)		
HIST 232 (3)	CS 444 (3)		
POLS 231 (3)	CS 448 (3)		
POLS 232 (3)	CS 456 (3)		
ECON 231 (3)	CS 498 (0)		
CS 120, 120L (4)	plus		
	One 300-Level and		
	one 400-level CS Elective		
	selected from the		
	following (3 credits each):		
	CS 344		
	CS 354		
	CS 356		
	CS 457		
	CS 460		
	CS 497		
	CS 499		

* 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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE
BY LEVEL AND SEQUENCE**

Freshman

First Semester

CS 120 (Introduction to Programming in C++), 3 cr
CS 120L (Introduction to Programming in C++ Lab), 1 cr
MATH 136 (Pre-calculus Mathematics), 3 cr

Second Semester

CS 124 (Fundamentals of Machine Computation), 3 cr
CS 140 (Advanced Programming in C++), 3 cr
MATH 241 (Calculus and Analytic Geometry I), 4 cr

Sophomore

First Semester

CS 241 (Object Oriented Programming Using JAVA), 3 cr
CS 243 (Computer Organization), 3 cr
MATH 242 (Calculus and Analytic Geometry II), 4 cr

Second Semester

CS 246 (Data and File Structures), 3 cr
CS 248 (Theory of Computation), 3 cr
MATH 330 (Linear Algebra), 3 cr

Junior

First Semester

CS 342 (Programming Languages and Design), 3 cr
CS 343 (Assembly and Computer Architecture), 3 cr

Second Semester

CS 346 (Database Management Systems), 3 cr
CS Upper- 300 Level Elective, 3 cr
MATH 333 (Differential Equations), 3 cr

Senior

First Semester

CS 415 (Computer Ethics and Society), 1 cr
CS 444 (Operating Systems), 3 cr
CS 448 (Computer Networking), 3 cr
MATH 473 (Probability and Statistics), 3 cr

Second Semester

CS 456 (Software Engineering and Testing), 3 cr
CS Upper- 400 Level Elective, 3 cr
CS 498 (Senior Comprehensive), 0 cr

DEPARTMENT OF ENGINEERING TECHNOLOGIES

Through this instructional unit, courses are offered in the following academic disciplines: Civil Engineering Technology (CIVT), Electronics Engineering Technology (ELET), and Computer Engineering Technology (CMET). **The Bachelor of Science degree (B.S.) in aforementioned areas is offered at the undergraduate level; however, no graduate degree is offered through this unit.** Cooperative Education (COE) courses are also offered through this unit. **In addition, an undergraduate minor in Engineering Technology is offered for students majoring in other academic disciplines or programs where the declaration of a minor is required.** The Electronics Engineering Technology Program in the College of Science and Technology is accredited by The Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – Telephone: (410) 347-7700. Members of the Department are housed on the third floor and first floor of the Technology Building with the Department Offices located in Rooms 319 and 121.

Students seeking the B. S. degree may choose from three (3) different programs that provide for concentrated study in one of the following engineering technologies: Civil Engineering Technology, Electronics Engineering Technology or Computer Engineering Technology. **Although students may choose one of the three programs, they are not required to declare a minor in another academic area.** For each program identified, a common core of courses drawn from many instructional units in the University, including those in the College of Science and Technology.

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

Students wishing to pursue the B.S. degree or declare a major in the Department must first gain admission to the University. Then, they must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), and must contact the Department for admission after ASSET requirements have been completed and deficiencies remedied. Students wishing to declare a minor in Engineering Technology should contact the Department office once they have been admitted as majors in other academic units of the University and have met all ASSET requirements. Prior to graduation, majors must pass an exit examination during their senior year.

For those students wishing to declare a minor in Engineering Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable). The twenty-one (21) credit hours must be in one of the engineering technology programs (CIVT, ELET). All minors are also required to complete the following three (3) mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above: MATH 133 (3 credits), MATH 134 (3 credits), and MATH 241 (4 credits). The Chair in the Department, prior to enrollment, must approve all courses and an overall program of study for each minor.

Detailed plans of study of the three (3) programs leading to the B.S. in Engineering Technology, including the sequencing of courses that must be taken, follow the list of faculty below. **As is the case for minors in Engineering Technology, grades below “C”, including “C-”, are unacceptable in courses specific to the major.** Additional information may be gained 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>Clack, Harry E. Instructor B.S., M.S., Texas Southern University</p>
<p>Agbanobi, Raymond O., P.E. Professor Diploma, Blackburn College of Technology M.S.C.E., University of Missouri Ph.D., North Carolina State University</p>	<p>Darayan, Shahryar Professor B.S., Tabriz University M.S.E.E., University of Houston Ph.D., University of Houston</p>
<p>Agina, Michael A. Instructor B.S.E.E., Tuskegee Institute M.S.E.E., Kensington University</p>	<p>Olowokere, David, Ph.D. Chair, Professor B.Sc., Ahmadu Bello University, Zaria, Nigeria M.Sc., Queen's University Ph.D., State University of New York</p>
	<p>Saneifard, Rasoul, P.E. Associate Professor B.S.E.E., Prairie View A&M University M.S.E., Prairie View A&M University Ph.D., New Mexico State University</p>

ENGINEERING TECHNOLOGY COURSES

- ENGT 331 **Engineering Economy** (3)
Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture and two hours of laboratory per week.
- ENGT 332 **Industrial Productivity and Work Measurements** (3)
Study of industrial productivity and its assessment, measurements, analysis, and improvements with emphasis on human productivity, work design, method analysis, and ergonomics. Two hours of lecture and two hours of laboratory per week
- ENGT 431 **Quality Control and Assurance** (3)
Introduction to statistical quality control methods as applied to design tolerance, process control and process capability. Two hours of lecture and two hours of laboratory per week.
- ENGT 432 **Industrial Quality Control** (3)
Study of quality management and product reliability to reduce defects and/or failures in production processes. Application of SPC control charts and reliability testing to optimize quality control processes. Two hours of lecture and two hours of laboratory per week. Prerequisite: ENGT 431.

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.
- CIVT 224 **Soil Mechanics** (3)
Geotechnical analysis of soils: application of science and engineering principles; methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 141.
- CIVT 231 **Surveying I** (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. **Listed as ENGR 1305 in the Texas Common Course Numbering System.**
- CIVT 232 **Engineering Mechanics** (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 235.
- 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. Prerequisite: CIVT 232.

CIVT 234	Surveying II Continuation of CIVT 231 with emphasis on field work, design, the transit, theodite, electronic instruments, stake out, contour, topography, and profile leveling. One hour of lecture and four hours of laboratory per week. Prerequisites: MATH 134 and CIVT 231.	(3)
CIVT 301	Water and Wastewater Engineering 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: CHEM 111, CHEM 131. MATH 133, and ELET 130.	(3)
CIVT 332	Applied Fluid Mechanics Fluid mechanics with engineering applications, properties of fluids, pressure, kinematics, energy, and flow through pipes. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 232.	(3)
CIVT 333	Hydraulics Engineering 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: MATH and CIVT 332.	(3)
CIVT 334	Transportation Engineering Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisites: DRFT 132 and CIVT 333.	(3)
CIVT 335	Geometric Design of Highway Theory and application of the parameters impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 334.	(3)
CIVT 336	Structural Analysis Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisites: MATH 241 and CIVT 335.	(3)
CIVT 337	Reinforced Concrete Design 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 231.	(3)
CIVT 338	Strength of Materials Physical properties of engineering materials concepts of stress and loading shear force and bending moments. Design of structural elements. Three hours lecture per week. Prerequisites: MATH 241, CIVT 232, Physics 235.	(3)
CIVT 400	Problems in Civil Engineering Technology Design of Civil Engineering related projects, apply the necessary criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Consent of the instructor required.	(3)
CIVT 434	Sanitary Engineering 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.	(3)

CIVT 435 Building Construction (3)
Setting out of construction work, foundations, wallings, concrete slabs, formworks, roofing structures, plumbing and drainages, bridges, commercial and industrial buildings, and estimating. Two hours of lecture and two hours of laboratory per week.

CIVT 436 Civil Engineering Construction Methods (3)
Job planning and management, fundamentals of earth work, setting-out, concrete structural piling, blasting, roads, culverts, drainage, bridges, commercial and industrial buildings, and estimating. Three hours of lecture per week. Prerequisite: CIVT 337.

ELECTRONICS ENGINEERING TECHNOLOGY COURSES

ELET 111 Direct Current Circuits Laboratory (1)
Laboratory activities on electronic circuits, Ohm's law, voltage, current, resistance, and basic test instruments. Two hours of laboratory per week. Corequisite: ELET 131.

ELET 112 Electronics I Laboratory (1)
Laboratory experiments on the application, analysis, and measurement of semiconductor devices in basic amplifier circuits. Two hours of laboratory per week. Prerequisite: ELET 133. Corequisite: ELET 132.

ELET 113 Alternating Current Circuits Laboratory (1)
Practical experiences in the measurement and analysis of alternating current with voltage, impedance, and phasor experiments. Two hours of laboratory per week. Corequisite: ELET 133.

ELET 130 Introduction to Structured Programming with C++ (3)
Structured methods of developing complex technology computer programs using a high level programming in a networked environment. Use of the C++ language as a problem-solving tool is emphasized. Two hours of lecture and two hours of laboratory per week.

ELET 131 Direct Current Circuits (3)
Direct current topics covered: current, voltage, resistance, power, energy, series and parallel circuits, combination circuits, Ohm's law, Kirchhoff's rules, inductance, capacitance, and magnetism. Three hours of lecture per week Corequisite: ELET 111.

ELET 132 Electronics I (3)
Study of the operation and characteristics of semiconductor devices such as bipolar-junction transistors, diodes, field-effect transistors, and other devices Three hours of lecture per week. Prerequisite: ELET 133. Corequisite: ELET 112.

ELET 133 Alternating Current Circuits (3)
Continuation of ELET 131 with studies of alternating current circuits, impedance concepts, network theorems, transformers, passive filters, and response curves. Three hours of lecture per week. Prerequisite: ELET 131. Corequisites: ELET 113 and MATH 134.

ELET 212 Electronics II Laboratory (1)
Application, design, and evaluate operational amplifiers with feedback configurations, linear and non-linear circuitry, oscillators, and active filters. Two hours of laboratory per week. Prerequisite: ELET 132. Corequisite: ELET 232.

ELET 213 Digital Hardware Design Laboratory (1)
Experiments in digital hardware design. Two hours of laboratory per week. Corequisite: ELET 243.

- ELET 214 **Digital Logic Circuits Laboratory** (1)
Exercises on logic circuits, combinational and sequential logic devices, and flip- flops. Two hours of laboratory per week. Corequisite: ELET 241.
- ELET 223 **Electric Machines** (3)
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.
- ELET 232 **Electronics II** (3)
Design and evaluating of the operational amplifier circuitry with feedback, linear and nonlinear circuitry, oscillators, and active filters. Three hours of lecture per week. Prerequisite: ELET 132. Corequisite: ELET 212.
- ELET 241 **Digital Logic Circuits** (3)
Introduction to digital technology, Boolean algebra, number systems, codes, truth tables, combinational and sequential logic, and logic devices. Three hours of lecture per week. Prerequisite: ELET 133. Corequisite: ELET 214.
- ELET 243 **Digital Hardware Design** (3)
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 241. Corequisite. ELET 213.
- ELET 311 **Communications Systems Laboratory** (1)
Experiments on oscillators, transmitters, receivers, filters, and transmission lines as related to modern electronic communications techniques. Two hours of laboratory per week. Prerequisite: ELET 232. Corequisite: ELET 331.
- ELET 312 **Control Systems Laboratory** (1)
Laboratory experiments on final control elements and closed loop control systems. Two hours of laboratory per week. Prerequisite: ELET 212. Corequisite: ELET 332.
- ELET 313 **Microprocessor Architecture Laboratory** (1)
Experiments to explore the relationship between hardware and software in microprocessors, input/output operations, and assembly language techniques. Two hours of laboratory per week. Corequisite: ELET 343.
- ELET 322 **Integrated Circuits** (3)
Study of the design and application of digital and linear integrated circuits. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 243.
- ELET 323 **Digital Signal Processing** (3)
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. Prerequisite: Math 242, ELET 243.
- ELET 331 **Communications Systems** (3)
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. Corequisite: ELET 311.
- 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. Corequisites: ELET 312 and MATH 345.

- ELET 343 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 243. Corequisite: ELET 313.
- ELET 353 Microprocessor Software Applications (3)**
Study of programming microprocessors and microcomputers using assembly language techniques with emphasis on writing industrial application programs for engineering technology. Two hours of lecture and two hours of laboratory per week. Prerequisites: ELET 130.
- 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 Prerequisite: ELET 343 and ELET 332. Corequisite: 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. Corequisite: ELET 434.
- ELET 412 Senior Project Proposal (1)**
Students will submit a written proposal along with functional specifications and timetable of a project for approval by members of faculty. One hour of class per week. Prerequisite: Senior status
- 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. Corequisite: ELET 431.
- ELET 422 Advanced Structured Programming with C++ (3)**
Study of object oriented programming in C++ on workstations with Microsoft C/C++. Prerequisites: 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 343 and ELET 332. Corequisite: 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. Prerequisites: ELET 343. Corequisite: ELET 413.
- ELET 432 Senior Electronics Project (3)**
Opportunity for seniors to engage in a team project in applied electronics where integration of knowledge obtained throughout the program is possible. Prerequisite: Senior standing and consent of the Faculty 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 243. Corequisite: ELET 411.
- ELET 441 Electronics Senior Comprehensive (0)**
Senior Comprehensive examinations for graduating seniors majoring in Electronics Engineering Technology. Students who do not "Satisfactory" may be required to register in ELET 442 in order to complete the requirements for the course. Prerequisite: Consent of the Faculty Chair.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE IN
CIVIL ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 135**

CORE CURRICULUM (STANDARD)*	MAJOR (CIVIL ENGR TECH)	OTHER REQUIREMENTS
38 credits	60 credits	37 credits
ENG 131 (3)**	CIVT 141 (3) ^	ELET 130 (3)
ENG 132 (3)	CIVT 223 (3) ^	ENGT 331 (3)
SC 135 or 136 (3)	CIVT 224 (3) ^	ITEC 111 (1)
MATH 133 (3)	CIVT 231 (3) ^	ITEC 331 (3)
CHEM 111, 131 (4)	CIVT 232 (3) ^	DRFT 131 (3)
PHYS 215, 235 (4)	CIVT 233 (3) ^	DRFT 132 (3)
ENG 2xx (3)	CIVT 234 (3)	DRFT 336 (3)
MUSI 239 (3)	CIVT 301 (3)	PHYS 216 (1)
HIST 231 (3)	CIVT 332 (3) ^	PHYS 236 (3)
HIST 232 (3)	CIVT 333 (3)	MATH 134 (3)
POLS 231 (3)	CIVT 334 (3)	MATH 241 (4)
POLS 232 (3)	CIVT 335 (3)	MATH 242 (4)
	CIVT 336 (3)	General Electives (3)
	CIVT 337 (3)	
	CIVT 338 (3)	
	CIVT 400 (3)	
	CIVT 434 (3)	
	CIVT 435 (3)	
	CIVT 436 (3)	
	Technical Elective (3)^^	

^ These courses are required for a minor in Civil Engineering Technology.

* Student 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.

^^ The Technical Elective should be selected from one of the following courses: ENGT 331 (3), ENGT 332 (3), ENGT 431, and ENGT 432 (3).

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE IN
ELECTRONICS ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 137**

CORE CURRICULUM* (STANDARD)	MAJOR (ELECTRN ENGR TECH)	OTHER REQUIREMENTS
44 credits	64 credits	29 credits
ENG 131 (3)**	ELET 111 (1)^	DRFT 233 (3)
ENG 132 (3)	ELET 112 (1)^	ITEC 111 (1)
SC 135 or 136 (3)	ELET 113 (1)^	ITEC 331 (3)
MATH 133 (3)	ELET 130 (3)	ITEC 412 (1)
CHEM 143 (4)	ELET 131 (3)^	MATH 134 (3)
PHYS 215, 235 (4)	ELET 132 (3)^	MATH 241 (4)
ENG 2xx (3)	ELET 133 (3)^	MATH 242 (4)
MUSI 239 (3)	ELET 212 (1)	MATH 345 (3)
HIST 231 (3)	ELET 213 (1)	PHYS 216 (1)
HIST 232 (3)	ELET 214 (1)	PHYS 236 (3)
POLS 231 (3)	ELET 232 (3)	General Elective (3)
POLS 232 (3)	ELET 241 (3)^	
CS 116 (3)	ELET 243 (3)^	
ECON 231 (3)	ELET 311 (1)	
	ELET 312 (1)	
	ELET 313 (1)	
	ELET 331 (3)	
	ELET 332 (3)	
	ELET 343 (3)	
	ELET 353 (3)^	
	ELET 410 (1)	
	ELET 411 (1)	
	ELET 412 (1)	
	ELET 413 (1)	
	ELET 422 (3)	
	ELET 430 (3)	
	ELET 431 (3)	
	ELET 432 (3)	
	ELET 434 (3)	
	ELET 441 (0)	
	Technical Elective (3)^	

^ These courses are required for a minor in Electronics Engineering Technology.

* Student 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.

^^ The Technical Elective should be selected from one of the following courses: ENGT 331 (3), ENGT 431, and ELET 322, ELET 323 and ELET 223.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE IN
COMPUTER ENGINEERING TECHNOLOGY
TOTAL CREDITS REQUIRED: 139**

CORE CURRICULUM* (STANDARD)	MAJOR (COMPUTER ENGR TECH)	OTHER REQUIREMENTS
44 credits	66 credits	29 credits
ENG 131 (3)**	ELET 111 (1)^	DRFT 233 (3)
ENG 132 (3)	ELET 112 (1)^	ITEC 111 (1)
SC 135 or 136 (3)	ELET 113 (1)^	ITEC 331 (3)
MATH 133 (3)	ELET 130 (3)	ITEC 412 (1)
CHEM 143 (4)	ELET 131 (3)^	MATH 134 (3)
PHYS 215, 235 (4)	ELET 132 (3)^	MATH 241 (4)
ENG 2xx (3)	ELET 133 (3)^	MATH 242 (4)
MUSI 239 (3)	ELET 213 (1)	MATH 345 (3)
HIST 231 (3)	ELET 214 (1)	PHYS 216 (1)
HIST 232 (3)	ELET 241 (3)^	PHYS 236 (3)
POLS 231 (3)	ELET 243 (3)^	General Elective (3)
POLS 232 (3)	ELET 313 (1)	
CS 116 (3)	ELET 343 (3)	
ECON 231 (3)	ELET 411 (1)	
	ELET 434 (3)	
	ELET 422 (3)	
	CMET 331 (3)	
	CMET 436 (3)	
	CMET 416 (1)	
	CMET 412 (1)	
	CMET 415 (1)	
	CMET 435 (3)	
	CMET 437 (3)	
	CMET 417 (1)	
	CMET 439 (3)	
	CMET 419 (1)	
	CMET 441 (0)	
	CMET 470 (3)	
	CMET 438 (3)	
	CMET 432 (3)	
	Technical Elective (3)	

^ These courses are required for a minor in Electronics Engineering Technology.

* Student 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.

^^ The Technical Elective should be selected from one of the following courses: ENGT 331 (3), ENGT 431, and ELET 322, ELET 323 and ELET 223.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN
CIVIL ENGINEERING TECHNOLOGY
BY LEVEL AND SEQUENCE**

Freshman

First Semester

CIVT 141 (Civil Engineering Materials) 3 cr
DRFT 131 (Fundamentals of Drafting), 3 cr

Second Semester

ELET 130 (Applications of Structured Programming) 3 cr
DRFT 132 (Descriptive Geometry), 3cr

Sophomore

First Semester

CIVT 231 (Surveying I), 3 cr
CIVT 232 (Engineering Mechanics), 3 cr

Second Semester

CIVT 233 (Dynamics), 3 cr
CIVT 234 (Surveying II), cr

Junior

First Semester

CIVT 224 (Soil Mechanics), 3 cr
CIVT 332 (Applied Fluid Mechanics), 3 cr
CIVT 337 (Reinforced Concrete Design), 3 cr
CIVT 338 (Strength of Materials), 3 cr

Second Semester

CIVT 223 (Water Resources) 3 cr
CIVT 333 (Hydraulics Engineering), 3 cr
CIVT 335 (Geometric Design of Highways), 3 cr
CIVT 336 (Structural Analysis) 3 cr
DRFT 336 (Computer-Aided Design), 3 cr

Senior

First Semester

CIVT 334 (Transportation Engineering), 3 cr
CIVT 400 (Problems in Civil Engineering Technology), 3 cr
CIVT 435 (Building Construction), 3 cr
ITEC 331 (Technical Writing), 3 cr

Second Semester

CIVT 434 (Sanitary Engineering), 3 cr
CIVT 436 (Civil Engineering Construction Methods), 3 cr
ENGT 331 (Engineering Economy), 3 cr
Technical Elective, 3 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN
ELECTRONICS ENGINEERING TECHNOLOGY
BY LEVEL AND SEQUENCE**

Freshman

First Semester

ELET 111 (Direct Current Circuits Laboratory), 1 cr
ELET 130 (Introduction to Structured Programming with C++), 3 cr
ELET 131 (Direct Current Circuits), 3 cr
DRFT 233 (Introduction to Computer-Aided Design), 3 cr

Second Semester

ELET 113 (Alternating Current Circuits Laboratory), 1 cr
ELET 133 (Alternating Current Circuits), 3 cr

Sophomore

First Semester

ELET 112 (Electronics I Laboratory), 1cr
ELET 132 (Electronics I), 3 cr
ELET 214 (Digital Logic Circuits Laboratory), 1 cr
ELET 241 (Digital Logic Circuits), 3 cr

Second Semester

ELET 212 (Electronics II Laboratory), 1cr
ELET 232 (Electronics II), 3 cr
ELET 213 (Digital Hardware Design Laboratory), 1 cr
ELET 243 (Digital Hardware Design), 3 cr

Junior

First Semester

ELET 313 (Microprocessor Architecture Laboratory), 1 cr
ELET 343 (Microprocessor Architecture), 3 cr

Second Semester

ELET 311 (Communication Systems Laboratory), 1 cr
ELET 331 (Communication Systems), 3 cr

Senior

First Semester

ELET 312 (Control Systems Laboratory), 1 cr
ELET 332 (Control Systems), 3 cr
ELET 353 (Microcomputer Software Applications), 3 cr
ELET 411 (Microcomputer Network Laboratory), 1 cr
ELET 412 (Senior Project Proposal), 1 cr
ELET 434 (Microcomputer Networks), 3 cr

Second Semester

ELET 410 (Computer Control Systems Laboratory), 1 cr
ELET 413 (Microprocessor Interfacing Laboratory), 1 cr
ELET 422 (Advanced Structured Programming with C++), 3 cr
ELET 430 (Computer Control Systems), 3 cr
ELET 431 (Microprocessor Interfacing), 3 cr
ELET 432 (Senior Electronics Project), 3 cr
ELET 441 (Electronics Senior Comprehensive), 0 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN
COMPUTER ENGINEERING TECHNOLOGY
BY LEVEL AND SEQUENCE**

Freshman

First Semester

ELET 111 (Direct Current Circuits Laboratory), 1 cr
ELET 130 (Introduction to Structured Programming with C++), 3 cr
ELET 131 (Direct Current Circuits), 3 cr
DRFT 233 (Introduction to Computer-Aided Design), 3 cr

Second Semester

ELET 113 (Alternating Current Circuits Laboratory), 1 cr
ELET 133 (Alternating Current Circuits), 3 cr

Sophomore

First Semester

ELET 112 (Electronics I Laboratory), 1cr
ELET 132 (Electronics I), 3 cr
ELET 214 (Digital Logic Circuits Laboratory), 1 cr
ELET 241 (Digital Logic Circuits), 3 cr

Second Semester

ELET 213 (Digital Hardware Design Laboratory), 1 cr
ELET 243 (Digital Hardware Design), 3 cr

Junior

First Semester

ELET 313 (Microprocessor Architecture Laboratory), 1 cr
ELET 343 (Microprocessor Architecture), 3 cr
CMET331 (Micro Computer Operating System), 3 cr

Second Semester

ELET 411 (Microcomputer Network Laboratory), 1 cr
ELET 434 (Microcomputer Networks), 3 cr

Senior

First Semester

ELET 422 (Advanced Srutc. Prog. With C++), 3 cr
CMET 436 (Application Microprocessor Software), 3 cr
CMET 416 (Application Microprocessor Software Lab), 1 cr
CMET 412 (Senior Project Proposal), 1 cr
CMET 435 (Advanced Microcomputer Networks), 3 cr
CMET 415 (Advanced Microcomputer Networks Lab), 1 cr

Second Semester

CMET 437 (Data Communication Methods), 3 cr
CMET 417 (Data Communication Methods Lab), 1 cr
CMET 439 (Micro Peripheral Hard Ware), 3 cr
CMET 419 (Micro Peripheral Hard Ware Lab), 1 cr
CMET 470 (Java Programming), 3 cr
CMET 438 (Artificial Intelligence), 3 cr
CMET 432 (Senior Project II), 3 cr
CMET 441 (Computer Eng.Tech. Comprehensive Exam), 0 cr

DEPARTMENT OF INDUSTRIAL TECHNOLOGIES

Courses in the academic disciplines of Construction Technology (CONS), Drafting and Design Technology (DRFT), Industrial Technology (ITEC), and Automated Manufacturing Technology (MFG) are offered through the Department of Industrial Technologies. **The Bachelor of Science (B.S.) in Industrial Technology is offered at the undergraduate level, and the Master of Science (M.S.) in Industrial Technology is offered at the graduate level.** Cooperative Education (COE) courses are also offered through the Department. **In addition, 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.** Members of the Department are housed between the first and second floor of the Leonard H.O. Spearman Technology Building with the Department Office located in Room 211. **Students who are interested in the Master of Science in Industrial Technology should refer to the Graduate School Bulletin of Texas Southern University for further information.**

In seeking the B.S. in Industrial Technology through this unit, students may select from three (3) different curriculum tracks that focus on one of the following areas of concentration: Construction Technology, Design Technology, or Automated Manufacturing Technology. For the Construction Technology track, two specializations are possible: Architectural Construction and Construction Management. **Even though three tracks may be selected from, students are not required to declare a minor in a second academic discipline in selecting one of the available tracks.** Detailed information on the three tracks 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 (that is, students who wish to declare undergraduate majors in the Department) 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 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 ASSET requirements. **Prior to graduation, majors must pass an exit examination during their senior year.**

For the minor in Industrial Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable). Fifteen (15) of the twenty-one (21) credits must be selected from one of three academic disciplines offered through the unit: CONS, DRFT, or MFG. Three (3) additional semester credit hours must be selected from a second of these three disciplines. The last three (3) semester credit hours required must be taken through enrollment in one of the following: ITEC 331, ITEC 333, or ITEC 439. Minors must also complete the following two (2) Mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above and with the same grade restrictions: MATH 133 (3 credits) and MATH 134 (3 credits). All programs of study for minors must be approved, in advance, by the Faculty Chair prior to enrollment in courses.

The minor in Community Development represents a comprehensive, interdisciplinary approach that includes courses offered through the unit, as well as courses offered through other units at the University. **A total of twenty-one (21) semester credit hours must be completed** which are broadly apportioned between theoretical knowledge (18 credits) and experiential learning (3 credits). **Courses enrolled for in seeking this minor must be completed with grades of “C” or better where grades below “C”, including “C-”, are unacceptable.** Students seeking the Community Development minor are required to enroll in the following courses offered through this unit: ITEC 131 (3 credits), ITEC 335 (3 credits), CONS 344 (3 credits), CONS 435 (3 credits), and COE 333 (3 credits). Outside of this unit, students are required to complete the following two courses in order to complete the minor: SOC 337 (3 credits) and MGMT 400 (3 credits).

Course descriptions and detailed programs of study (including the sequencing of courses that must be taken) follow this section. **Grades less than “C”, including “C-”, are unacceptable in courses specific to the major.** Students requiring additional information should contact the Department Office either directly or by calling (713)-313-7679.

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>Horner, Jessie E. Associate Professor B.S., Northwestern State University M.S., Texas Southern University Ed.D., University of Houston</p>
<p>Allen, Mitchell M., CSIT Professor B.S., Texas Southern University M.S., Prairie View A & M University Ed.D., University of Houston</p>	<p>Lewis, J. Jonathan, CSIT Associate Professor A.A., Kingsboro College B.B.A., Jones College M.S., Ed.D., Texas Southern University</p>
<p>Clack, Harry E. Instructor B.S., M.S., Texas Southern University</p>	<p>Lott, Carl B. Assistant Professor B.S., M.S., Ed.D., Texas Southern University</p>

CONSTRUCTION TECHNOLOGY COURSES

- CONS 131** **Construction Methods and Materials I** (2)
Introduction to the overall construction industry with emphasis on practices, methods, and materials used in various building disciplines. Construction processes also discussed. Two hours of lecture per week. Corequisite: CONS 131L.
- CONS 131L** **Construction Methods and Materials I Laboratory** (1)
Laboratory exercises dealing with practices, methods, and materials used in various building disciplines. Two hours of laboratory per week. Corequisite: CONS 131.
- CONS 141** **Construction Methods and Materials II** (2)
Continuation of CONS 131 with emphasis on masonry, concrete, and construction productivity practices. Two hours of lecture per week. Prerequisite: CONS 131. Corequisite: CONS 141L.
- CONS 141L** **Construction Methods and Materials II Laboratory** (1)
Laboratory exercises in masonry and concrete construction. Two hours of laboratory per week. Prerequisite: CONS 131L. 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 per week. Prerequisite: CONS 131. Corequisite: CONS 242L.
- CONS 242L** **Framing Principles Laboratory** (2)
Laboratory exercises in foundation and wall framing techniques and construction details for residential and light commercial construction. Four hours of laboratory per week. Prerequisite: CONS 131L. Corequisite: CONS 242.
- CONS 243** **Energy Efficiency and Construction** (1)
Sizing, designing, and laying out of electrical and mechanical systems for maximum efficiency in residential and light commercial buildings. Solar and earth energy emphasized. One hour of lecture per week. Prerequisite: CONS 242. Corequisite: CONS 243L.
- CONS 243L** **Energy Efficiency and Construction Laboratory** (2)
Practices in sizing, designing, and laying out of electrical and mechanical systems for maximum efficiency in residential and light commercial buildings. Four hours of laboratory per week. Prerequisite: CONS 242L. 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** (3)
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 and four hours of laboratory per week. Prerequisites: DRFT 336, CONS 242, and CONS 242L.
- CONS 333** **Quantity Surveying** (3)
Quantity surveying for construction and engineering along with bid preparation and analysis where computer applications are emphasized. Two hours of lecture and two hours of laboratory per week. Prerequisite: Consent of the instructor.

DRFT 132	Descriptive Geometry Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131.	(3)
DRFT 133	Architectural Drafting Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131. Listed as ARCH 2201 in the Texas Common Course Numbering System.	(3)
DRFT 134	Mechanical Drawing Emphasis on orthographic and auxiliary projection, threads and fasteners, machine drawings and perspectives. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131.	(3)
DRFT 136	Architectural Rendering Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 133.	(3)
DRFT 231	Pipe Drafting Piping terminology, charts, tables, and practices in providing single and double line drawings. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 134.	(3)
DRFT 232	Architectural Design Study of the influences, which determine the appearances of architectural structures. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 133.	(3)
DRFT 233	Introduction to Computer-Aided Design Basic concepts, operations, and procedures necessary for producing engineering drawings on the computer. One hour of lecture and four hours of laboratory per week. Listed as ARCH 1315 in the Texas Common Course Numbering System.	(3)
DRFT 331	Pipe System Design Problems in piping design-utilizing vendor furnished equipment specifications and drawings, Smoley's tables, and related control documents. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 231. Offered as needed.	(3)
DRFT 333	Machine Design Theory and practice of design characteristics for studying gears, cams, and complete assembly drawings of small machines. One hour of lecture and four hours of laboratory per week. Prerequisites: CIVT 232 and DRFT 134. Offered as needed.	(3)
DRFT 336	Computer-Aided Design Advanced concepts of computer-aided design (CAD) utilizing the more complex capabilities of the equipment and software. One hour of lecture and four hours of laboratory per week.	(3)
DRFT 430	Advanced Computer-Aided Design Continuation of DRFT 336 with emphasis on the development of three-dimensional designs, script files, and AUTOLISP programming. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 336.	(3)
DRFT 431	Structural Drafting Fabrication, connectors and seats for beams, girders, columns, and trusses adhering to AISC standards. One hour of lecture and four hours of laboratory per week. Prerequisite: DRFT 131 and consent of the instructor.	(3)

DRFT 432 **Senior Design Project** (3)
Integration of previous knowledge in the development of a design project. One hour of lecture and four hours of laboratory per week. Prerequisites: Senior standing and consent of the Faculty Chair.

INDUSTRIAL TECHNOLOGY COURSES

ITEC 111 **Orientation** (1)
Orientation to the School of 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. Prerequisite: ENG 131.

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. Prerequisite: 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. Prerequisite: 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** (3)
Manufacturing processes for industrial plastics, wood, and wood composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. One hour of lecture and four hours of laboratory per week.

MFG 231 **Manufacturing Processes** (3)
Study of engineering materials and processes as they pertain to the manufacture of industrial products. Three hours of lecture per week.

MFG 232 **Manufacturing Technology II** (3)
Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 131.

- MFG 331** **CNC Computer Programming** (3)
Theory of computer-aided parts programming. Methods of programming CNC machines; set up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, and robots. One hour of lecture and four hours of laboratory per week. Prerequisite: Consent of the instructor.
- MFG 332** **Robotics Technology** (3)
Automated technology through the use of industrial robots; theory of electromechanical, hydraulic, and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 331.
- MFG 333** **Strength of Materials** (3)
Study of the physical properties of a variety of industrial materials. One hour of lecture and four hours of laboratory per week. Prerequisite: Junior standing and consent of the instructor.
- MFG 432** **Flexible Manufacturing Systems** (3)
Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture and four hours of laboratory per week. Prerequisite: MFG 331.
- MFG 433** **Manufacturing Technology Problems** (3)
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 and four hours of laboratory per week. Prerequisites: Senior standing and consent of the instructor.

COOPERATIVE EDUCATION COURSES

- COE 233** **Cooperative Education** (3)
First training period designed to give students full-time experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. 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** (3)
Second training period designed to make students assertive in the workplace and aware of gaining upward mobility. Students continue to develop skills in their chosen career areas and are closely supervised. Forty hours of work experience per week. Prerequisite: COE 233.
- COE 333** **Cooperative Education** (3)
Third training period where students continue career related work in their chosen areas. Students exposed to analyzing and evaluating their career choices through training requirements, working conditions, and employment outlook. Forty hours of work experience per week. Prerequisite: COE 235.
- COE 433** **Cooperative Education** (3)
Fourth training period where the student/employer exposure is well established and students are prepared for full-time employment upon graduation. Variables affecting decision making and other factors enhancing employee-employer relations explored. Forty hours of work experience per week. Prerequisite: COE 333.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (CONSTRUCT TECH)	OTHER^ REQUIREMENTS
44 credits	36 credits	49 credits
ENG 131 (3)**	CONS 131 (2)	ACCTG 231 (3)
ENG 132 (3)	CONS 131L (1)	CIVT 231 (3)
SC 135 or 136 (3)	CONS 141 (2)	DRFT 336 (3)
MATH 133 (3)	CONS 141L (1)	DRFT 430 (3)
BIOL 143, 143L (4)	CONS 242 (1)	ELET 111 (1)
PHYS 215, 235 (4)	CONS 242L (2)	ELET 130 (3)
ENG 2xx (3)	CONS 333 (3)	ELET 131 (3)
MUSI 239 (3)	CONS 334 (3)	HED 233 (2)
HIST 231 (3)	CONS 433 (3)	ITEC 111 (1)
HIST 232 (3)	CONS 435 (3)	ITEC 331 (3)
POLS 231 (3)	CONS 436 (3)	ITEC 333 (3)
POLS 232 (3)	CONS 437 (3)	ITEC 412 (1)
ECON 231 (3)	CONS 475 (3)	ITEC 439 (3)
CS 116 (3)	In addition, select from one of the	MATH 134 (3)
	following two specialties:	MATH 135 (3)
	Architectural Specialty:	MFG 333 (3)
	CIVT 224 (3)	PE 1xx (1)
	DRFT 133 (3)	PE 1xx (1)
	Management Specialty:	General Electives (6)
	CONS 341 (3)	
	CONS 344 (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.

^ Optional courses for Industrial Technology majors pursuing the Construction Technology Track include: CONS 243 (1) and CONS 243L (2), CONS 244 (3), CONS 331 (3), CONS 451 (3), and DRFT 232 (3).

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (DESIGN TECH)	OTHER REQUIREMENTS
44 credits	30 credits	55 credits
ENG 131 (3)**	DRFT 131 (3)	ACCTG 231 (3)
ENG 132 (3)	DRFT 132 (3)	CIVT 231 (3)
SC 135 or 136 (3)	DRFT 133 (3)	CONS 131 (2)
MATH 133 (3)	DRFT 134 (3)	CONS 131L (1)
CHEM 111, 131 (4)	DRFT 231 (3)	CONS 333 (3)
PHYS 215, 235 (4)	DRFT 233 (3)	ELET 111 (1)
ENG 2xx (3)	DRFT 336 (3)	ELET 130 (3)
MUSI 239 (3)	DRFT 430 (3)	ELET 131 (3)
HIST 231 (3)	DRFT 431 (3)	ENGT 431 (3)
HIST 232 (3)	DRFT 432 (3)	HED 233 (2)
POLS 231 (3)		ITEC 111 (1)
POLS 232 (3)		ITEC 331 (3)
PSY 131 (3)		ITEC 333 (3)
CS 116 (3)		ITEC 412 (1)
		ITEC 439 (3)
		MATH 134 (3)
		MATH 135 (3)
		MFG 131 (3)
		MFG 333 (3)
		PE 1xx (1)
		PE 1xx (1)
		General Electives (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.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
AUTOMATED MANUFACTURING TECHNOLOGY TRACK
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM* (STANDARD)	MAJOR (AUTO MFG TECH)	OTHER REQUIREMENTS
44 credits	24 credits	61 credits
ENG 131 (3)**	MFG 131 (3)	ACCTG 231 (3)
ENG 132 (3)	MFG 231 (3)	CONS 131 (2)
SC 135 or 136 (3)	MFG 232 (3)	CONS 131L (1)
MATH 133 (3)	MFG 331 (3)	DRFT 131 (3)
CHEM 111, 131 (4)	MFG 332 (3)	DRFT 132 (3)
PHYS 215, 235 (4)	MFG 333 (3)	DRFT 134 (3)
ENG 2xx (3)	MFG 432 (3)	DRFT 233 (3)
MUSI 239 (3)	MFG 433 (3)	DRFT 336 (3)
HIST 231 (3)		DRFT 430 (3)
HIST 232 (3)		ELET 111 (1)
POLS 231 (3)		ELET 130 (3)
POLS 232 (3)		ELET 131 (3)
PSY 131 (3)		ENGT 431 (3)
CS 116 (3)		HED 233 (2)
		ITEC 111 (1)
		ITEC 331 (3)
		ITEC 333 (3)
		ITEC 412 (1)
		ITEC 439 (3)
		MATH 134 (3)
		MATH 135 (3)
		PE 1xx (1)
		PE 1xx (1)
		General Electives (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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
CONSTRUCTION TECHNOLOGY TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

CONS 131 (Construction Methods and Materials I), 2 cr
CONS 131L (Construction Methods and Materials I Laboratory), 1 cr
ITEC 111 (Orientation), 1 cr

Second Semester

CONS 141 (Construction Methods and Materials II), 2 cr
CONS 141L (Construction Methods and Materials II Laboratory), 1 cr
DRFT 132 (Descriptive Geometry), 3 cr
ELET 111 (Direct Current Circuits Laboratory), 1 cr
ELET 131 (Direct Current Circuits), 3 cr

Sophomore

First Semester

CIVT 231 (Surveying 1), 3 cr
CONS 242 (Framing Principles), 1 cr
CONS 242L (Framing Principles Laboratory), 2 cr
ELET 130 (Applications of Structured Programming), 3 cr

Second Semester

CONS 243 (Energy Efficiency and Construction), 1 cr
CONS 243L (Energy Efficiency and Construction Laboratory), 2 cr

Junior

First Semester

DRFT 336 (Computer-Aided Design), 3 cr
*EET 224 (Soil Mechanics), 3 cr, **or**
**CONS 341 (Essentials of Plumbing), 3 cr

Second Semester

CONS 331 (Models and Presentations), 3 cr
*EET 225 (Site Planning), 3 cr, **or**
**CONS 344 (Construction Management I), 3 cr
ITEC 333 (Industrial Supervision and Management), 3 cr
MFG 333 (Strength of Materials), 3 cr

Senior

First Semester

CONS 433 (Estimating), 3 cr
CONS 435 (Contracts and Specifications), 3 cr
CONS 437 (Construction Problems), 3 cr
ITEC 412 (Senior Seminar), 1 cr

Second Semester

CONS 436 (Construction Management II), 3 cr
CONS 475 (Facilities Operations), 3 cr
DRFT 430 (Advanced Computer-Aided Design), 3 cr
ITEC 439 (Industrial Safety), 3 cr

* Architectural Specialty

** Management Specialty

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
DESIGN TECHNOLOGY TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

DRFT 131 (Fundamentals of Drafting), 3 cr
ITEC 111 (Orientation), 1 cr

Second Semester

DRFT 132 (Descriptive Geometry), 3 cr
DRFT 134 (Mechanical Drawing), 3 cr
ELET 111 (Direct Current Circuits Laboratory), 1 cr
ELET 131 (Direct Current Circuits), 3 cr

Sophomore

First Semester

CIVT 231 (Surveying I), 3 cr
CONS 131 (Construction Methods and Materials I), 2 cr
CONS 131L (Construction Methods and Materials I Laboratory), 1 cr
DRFT 231 (Pipe Drafting), 3 cr

Second Semester

DRFT 133 (Architectural Drafting), 3 cr
ELET 130 (Applications of Structured Programming), 3 cr
MFG 131 (Manufacturing Technology I), 3 cr

Junior

First Semester

DRFT 233 (Introduction to Computer-Aided Design), 3 cr
ITEC 331 (Technical Writing), 3 cr
MFG 231 (Manufacturing Processes), 3 cr

Second Semester

DRFT 336 (Computer-Aided Design), 3 cr
ITEC 333 (Industrial Supervision and Management), 3 cr
MFG 333 (Strength of Materials), 3 cr

Senior

First Semester

DRFT 430 (Advanced Computer-Aided Design), 3 cr
ENGT 431 (Quality Control and Assurance), 3 cr
ITEC 439 (Industrial Safety), 3 cr

Second Semester

DRFT 431 (Structural Drafting), 3 cr
DRFT 432 (Senior Design Project), 3 cr
ITEC 412 (Senior Seminar), 1 cr

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY
AUTOMATED MANUFACTURING TECHNOLOGY TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

DRFT 131 (Fundamentals of Drafting), 3 cr
ITEC 111 (Orientation), 1 cr
MFG 131 (Manufacturing Technology 1), 3 cr

Second Semester

CONS 131 (Construction Materials and Methods I), 2 cr
CONS 131L (Construction Materials and Methods I Laboratory), 1 cr
DRFT 134 (Mechanical Drawing), 3 cr
ELET 111 (Direct Current Circuits Laboratory), 1 cr
ELET 131 (Direct Current Circuits), 3 cr

Sophomore

First Semester

ELET 130 (Applications of Structured Programming), 3 cr
MFG 232 (Manufacturing Processes), 3 cr

Second Semester

DRFT 132 (Mechanical Drafting), 3 cr
MFG 231 (Manufacturing Processes), 3 cr

Junior

First Semester

DRFT 233 (Introduction to Computer-Aided Design), 3 cr
ITEC 331 (Technical Writing), 3 cr
MFG 333 (Strength of Materials), 3 cr

Second Semester

DRFT 336 (Computer-Aided Design), 3 cr
ITEC 333 (Industrial Supervision and Management), 3 cr
MFG 331 (CNC Computer Programming), 3 cr

Senior

First Semester

ENGT 431 (Quality Control and Assurance), 3 cr
ITEC 412 (Senior Seminar), 1 cr
MFG 332 (Robotics Technology), 3 cr
MFG 433 (Manufacturing Technology Problems), 3 cr

Second Semester

ITEC 439 (Industrial Safety), 3 cr
MFG 432 (Flexible Manufacturing Problems), 3 cr

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, the Master of Science (M.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 139) are located in Nabrit Center on the first floor. Faculty members are housed on the first floor of Nabrit Center.

Students who are interested in the Master of Science Degree in Mathematics should consult the Graduate School Bulletin of Texas Southern University for detailed information.

Students wishing to pursue the B.S. Degree in Mathematics are required to declare a minor 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 124 semester credit hours satisfactorily completed.

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.

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 ASSET requirements, must eradicate deficiencies assessed at the time of admission through the General University Academic Center (GUAC), and must petition the Department for admission as ASSET requirements are completed. Once admitted to the Department, students are each assigned an official advisor who must be consulted on a semesterly 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.**

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 314 (4 credits); MATH 330 (3 credits); MATH 331 (3 credits); either MATH 333 (3 credits) or MATH 439 (3 credits); and one additional 300-level or 400-level MATH course (3 credits). The minimum grade requirement for each of these courses is referenced above.

In summary, students must first gain admission to the University; must meet their ASSET responsibility; and must petition the Department for admission as ASSET requirements are met.

Upon admission, each student is assigned an official advisor, and an exit examination is required of graduating seniors. For further information, students should contact the Department at (713)-313-7002.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Bell, Della D. Professor B.S., Lamar University M.Ed., Ph.D., University of Texas at Austin</p>	<p>Holmes, Roderick Visiting Assistant Professor B.S., M.S., Texas Southern University Ph.D., University of Houston</p>
<p>Chilakamarri, Kiran B. Associate Professor Ph.D., Ohio State University</p>	<p>Jenkins, Herman J. Assistant Professor B.A., M.S., Texas Southern University</p>
<p>Clarkson, Llayron L. Joseph A. Pierce Professor B.A., Texas State University M.S., Texas Southern University Ph.D., University of Texas at Austin</p>	<p>NeHS, Robert M. Associate Professor B.S., Marquette University M.S., Rice University Ph.D., University of Houston</p>
<p>Dean, Nathaniel Professor B.S., Mississippi State University M.S., Northeastern University Ph.D., Vanderbilt University</p>	<p>Obot, Victor Assistant Dean, Professor B.S., Eastern Mennonite College M.S., Wright State University Ph.D., University of Tulsa</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>Taylor, Willie E. Professor B.S., M.S., Prairie View A & M University Ph.D., University of Houston</p>
<p>Ginn, James E. Professor A.B., Clark College M.A., Atlanta University Ph.D., Texas A & M University</p>	<p>Wardlaw, Alvin Associate Professor B.S., Morehouse College M.S., Atlanta University</p>
<p>Guha, Shyamal K. Associate Professor B.Sc., Indian Institute of Technology M.A., University of California at Berkeley Ph.D., St. Louis University</p>	<p>Wu, Tong Instructor B.S., Harbin Science & Technology University M.S., Harbin Institute of Technology M.S., Texas Southern University</p>

MATH 241	<p>Calculus and Analytic Geometry I (4)</p> <p>Inequalities, functions, graphs, straight lines, linear equations, limits, continuity, differentiation, maximum-minimum problems, mean value theorem, related rates, and indefinite integrals. Four hours of lecture per week. Prerequisites: MATH 133 and MATH 134 or MATH 136 or placement by examination. Listed as MATH 2413 in the Texas Common Course Numbering System.</p>
MATH 242	<p>Calculus and Analytic Geometry II (4)</p> <p>Definite and indefinite integrals, techniques of integration, transcendental functions, and applications of the definite integral. Four hours of lecture per week. Prerequisite: MATH 241. Listed as MATH 2414 in the Texas Common Course Numbering System.</p>
MATH 314	<p>Calculus and Analytic Geometry III (4)</p> <p>Sequences, infinite series, conic sections, polar coordinates, two-dimensional and three-dimensional vectors, parametric equations, partial differentiation, and multiple integrals. Four hours of lecture per week. Prerequisite: MATH 242.</p>
MATH 330	<p>Linear Algebra (3)</p> <p>A first course in linear algebra designed to provide a minimal foundation in matrix theory, vector spaces, determinants, and linear transformations. Three hours of lecture per week. Prerequisite: MATH 241.</p>
MATH 331	<p>Logic, Sets, and Functions (3)</p> <p>Transitional mathematics course toward the study of advanced mathematics. Various topics in the foundations of mathematics discussed. Three hours of lecture per week. Prerequisite: MATH 241.</p>
MATH 333	<p>Differential Equations (3)</p> <p>Important methods of solution of ordinary differential equations of the first order and of higher orders with applications to geometry and physics. Three hours of lecture per week. Prerequisites: MATH 242 and MATH 314. (MATH 314 may be taken concurrently.)</p>
MATH 335	<p>Foundations of Geometry (3)</p> <p>Logic and postulates relating to geometries. Modern plan geometry as developed from Euclidean geometry, measurement, and metric system. Properties of geometric figures, congruence, theory of parallel lines, and noneuclidian geometry. Three hours of lecture per week. Prerequisite: MATH 241.</p>
MATH 336	<p>Foundations of Algebra (3)</p> <p>Introduction to mathematical systems such as groups, rings, and fields. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.</p>
MATH 345	<p>Applied Mathematics and Statistics for Technology (3)</p> <p>Selected topics in applied differential equations (including transform techniques), linear programming, numerical methods, and statistics with emphasis on applications to the solution of problems in technology. Three hours of lecture per week. Prerequisite: MATH 242.</p>
MATH 375	<p>Linear Mathematics (3)</p> <p>Various topics involving linear space methods discussed, including linear difference equations, Laplace transforms, and linear differential operators. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 330.</p>
MATH 376	<p>Applied Mathematical Analysis (3)</p> <p>Vector analysis; algebra and geometry of vectors; vector differential and integral calculus; theorems of Green, Gauss, and Stokes. Three hours of lecture per week. Prerequisite: MATH 314.</p>

- MATH 430** **The History of Mathematics** (3)
 General view of the development of the elementary branches of mathematics; growth of higher mathematics in the eighteenth and nineteenth centuries. Three hours of lecture per week. Prerequisite: Twelve credits of college mathematics.
- MATH 431** **Uses of Computers in Mathematics** (3)
 Role and nature of computers as tools in problem solving; impact of computers on mathematics; applications of computers to modeling and simulating mathematical situations. Three hours of lecture per week. Prerequisites: MATH 241 and MATH 242 or consent of the instructor.
- MATH 433** **Concepts and Structure of Mathematics** (3)
 Structure of the number system, elements of set theory, properties of real numbers, and basic concepts of mathematical systems. Presented for nonmajors. Three hours of lecture per week. Prerequisite: Consent of the instructor.
- MATH 437** **Contemporary Mathematics and Its Applications** (3)
 Applications of various mathematical topics and mathematical needs of people in some of the trades, professions, and scientific disciplines. Three hours of lecture per week. Prerequisite: MATH 314 or consent of the instructor.
- MATH 439** **Advanced Calculus I** (3)
 The real number system; elementary point set theory; sequences and series; continuity; differentiation and integration. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.
- MATH 440** **Advanced Calculus II** (3)
 Functions of several variables, including partial derivatives, multiple integrals, and mapping from Euclidean m -space to Euclidean n -space. Three hours of lecture per week. Prerequisite: MATH 439 or consent of the instructor.
- MATH 460** **Introduction to Complex Analysis** (3)
 Complex numbers and complex geometry; limits, continuity, derivatives, and the Cauchy-Riemann equations; analytic and harmonic functions; Cauchy's Integral Theorem and its consequences. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.
- MATH 462** **Introduction to Topology** (3)
 Topics include metric spaces, connectedness, and compactness. The topology of Euclidean spaces discussed in detail as well as its generalization to nonmetric topological spaces. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.
- MATH 471** **Topics in Mathematics I** (3)
 New developments and trends in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.
- MATH 472** **Topics in Mathematics II** (3)
 Continuation of MATH 471. Three hours of lecture per week. Prerequisite: Consent of the instructor.
- MATH 473** **Probability and Statistics I** (3)
 Introduction to probability and statistical inference making use of the calculus developed in MATH 241 and MATH 242. Three hours of lecture per week. Prerequisite: MATH 242.
- MATH 474** **Probability and Statistics II** (3)
 Moments of distributions and Stieltjes integral; joint density functions; conditional means; moment generating functions; sequences of random variables; distribution theory; and hypothesis testing. Three hours of lecture per week. Prerequisite: MATH 473.

- MATH 475** **Introduction to Modern Algebra** (3)
Group theory; Lagrange's Theorem; Isomorphism Theorem; Cayley's Theorem; rings and fields. Three hours of lecture per week. Prerequisite: MATH 336.
- MATH 490** **Independent Study: Undergraduate** (3)
Intensive study of a topic in mathematics under the direction of a faculty member. Prerequisites: Senior standing and consent of the instructor.
- MATH 499** **Seminar** (3)
Various topics in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN MATHEMATICS
TOTAL CREDITS REQUIRED: 124**

CORE CURRICULUM (STANDARD)*	MAJOR (MATHEMATICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	36 credits	23 credits	21 credits
ENG 131 (3)**	MATH 241 (4)	CS 117 (3)	Contact
ENG 132 (3)	MATH 242 (4)	Foreign	department of
SC 135 or 136 (3)	MATH 314 (4)	Language or	choice after
BIOL 143 or	MATH 330 (3)	CS Electives (6)	being admitted
CHEM 111, 131 (4)	MATH 331 (3)	HED 233 (2)	as a
GEOL 141 or	MATH 333 (3)	PHYS 217 (1)	Mathematics Major
CHEM 112, 132 (4)	MATH 439 (3)	PHYS 218 (1)	by the Department.
ENG 2xx (3)	MATH 473 (3)	PHYS 251 (5)	
ENG 2xx (3)	Upper Level	PHYS 252 (5)	
Visual &	MATH Electives (9)		
Performing			
Arts (3)***			
HIST 231 (3)			
HIST 232 (3)			
POLS 231 (3)			
POLS 232 (3)			
Social &			
Behavioral			
Sciences (3)****			
CS 116 (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 one of the following: THC 130, THC 231, MUSI 131, MUSI 239, ART 131, or ART 132.

**** Select one of the following: PSY 131; SOC 157; SOC 158; SOC 221; SOC 238; ECON 231; or ECON 232.

**MAJOR COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN MATHEMATICS
BY LEVEL AND SEQUENCE**

Freshman	First Semester MATH 241 (Calculus and Analytic Geometry I), 4 cr
	Second Semester MATH 242 (Calculus and Analytic Geometry II), 4 cr
Sophomore	First Semester MATH 314 (Calculus and Analytic Geometry III), 4 cr
	Second Semester MATH 330 (Linear Algebra), 3 cr
Junior	First Semester MATH 333 (Differential Equations), 3 cr
	Second Semester MATH 331 (Logic, Sets, and Functions), 3 cr Upper Level MATH Elective, 3 cr
Senior	First Semester MATH 439 (Advanced Calculus I), 3 cr MATH 473 (Probability and Statistics I), 3 cr
	Second Semester Upper Level MATH Elective, 3 cr Upper Level MATH Elective, 3 cr

DEPARTMENT OF PHYSICS

The Department of Physics offers courses in the academic area of Physics (PHYS). In addition, an undergraduate degree is offered, the Bachelor of Science Degree in Physics, as well as a minor in Physics for students pursuing undergraduate degrees in other disciplines. No graduate degrees are offered through this unit at this time. Members of the Department and departmental facilities are housed on the first floor of the Spearman Technology Building with the Department Office located in Room 106.

The primary mission of the Department of Physics is to prepare students majoring and minoring in departmental curricular offerings for entry into the workforce and for graduate study. The mission also embraces making students aware of the natural laws that govern our universe.

Requirements for the Bachelor of Science in Physics are summarized below. Each student must be admitted by the Department, through a departmental admissions procedure, as a major before attempting to meet all of the requirements for either degree. The admissions procedure is under continual review by the Departmental Admissions Committee. Thus, interested students are asked to contact the Department Office during their freshman year for the steps that must be taken in order to gain admission as majors, and to verify application deadlines. Students are responsible for completing ASSET requirements and prerequisites administered through the General University Academic Center (GUAC) prior to admission to the department.

Students pursuing majors or undergraduate degrees in this unit must also have a declared minor in another academic discipline as first-time seekers of an undergraduate degree. The sequence in which major courses must be taken is provided along with degree requirements at the end of this section.

Students must earn grades of “C” or better (where grades of “C-” are unacceptable) in all courses specific to either the major or the minor selected for both degrees offered through this unit. Graduating seniors are also required to take an exit examination.

Students transferring to the University are cautioned that Physics credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the major in Physics. 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 core curriculum requirements, elective requirements, or both.

In selecting a minor, as required for completion of the B.S. in Physics, 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 sought could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 124 semester credit hours satisfactorily completed.

For a Physics minor, twenty-one (21) semester credit hours are required through enrollment in the following courses: PHYS 217, PHYS 218, PHYS 251, PHYS 252, and nine (9) additional junior/senior level PHYS credits of choice. Prior to pursuing this minor, students must seek advisement and approval from the Department Office. The prerequisites for PHYS 217 and 251 must also be met before pursuing this minor. Grades of “C” or better must be earned, where grades of “C-” are unacceptable, in these courses.

Students admitted to the Department as majors, as well as students pursuing minors in the unit, are each expected to maintain an overall GPA of 2.50 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 2.50 and students are within thirty (30) semester credit hours of graduation, they will be refused the privilege of recommendations from members of the faculty, but will retain official status in the Department.

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; must fulfill prerequisites as outlined above; 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 Admissions Committee. Each student is provided with extensive advisement once admitted to the unit before further progression toward the completion of degree requirements is undertaken, and an exit examination is required. Questions may be directed to the Department Office at (713)-313-1800.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Arya, Sharda Professor B.S., M.S., Ph.D., Punjab University</p>	<p>Handy, Carlos Chair, Professor B.S., M.S., Ph.D., Columbia University</p>
<p>Chu, Rambis K. H. Associate Professor B.S., Texas Southern University M.S., Ph.D., University of Houston – University Park</p>	<p>Wilkerson, Daryl F. Instructor B.S., M.S., Texas Southern University Further Study, Texas Southern University</p>

PHYSICS COURSES

- PHYS 141** **Principles of Physical Science** (4)
Survey of the physical sciences for the non-scientist, including introductory astronomy, chemistry, and physics. Three hours of lecture, one hour of demonstrations per week.
- PHYS 215** **Physics Laboratory for Technology and Life Science Students I** (1)
Experiments in classical mechanics, vibratory motion, and heat to accompany both Physics 235 and Physics 237. Two hours of laboratory per week. Referred to as General Physics I Laboratory in this document. Corequisites: PHYS 235 or 237. Listed as PHYS 1101 in the Texas Common Course Numbering System.
- PHYS 216** **Physics Laboratory for Technology and Life Science Students II** (1)
Experiments in waves, electricity, magnetism, and optics to accompany both Physics 236 and Physics 238. Two hours of laboratory per week. Referred to as General Physics II Laboratory in this document. Corequisites: PHYS 236 or PHYS 238. Listed as PHYS 1102 in the Texas Common Course Numbering System.
- PHYS 217** **College Physics Laboratory I** (1)
Experiments in classical mechanics, vibratory motion, and heat to accompany Physics 251. Three hours of laboratory per week. Corequisite: PHYS 251.
- PHYS 218** **College Physics Laboratory II** (1)
Experiments in electricity, magnetism, waves, and optics to accompany Physics 252. Three hours of laboratory per week. Corequisite: PHYS 252.
- PHYS 235** **General Physics for Technology Students I** (3)
First part of trigonometry-based introduction to physics for technology students, including classical mechanics, vibratory motion, and heat. Three hours of lecture per week. Corequisite: PHYS 215. Prerequisites: MATH 133 and MATH 134. Listed as PHYS 1301 in the Texas Common Course Numbering System.
- PHYS 236** **General Physics for Technology Students II** (3)
Second part of trigonometry-based introduction to physics for technology students, including waves, electricity, magnetism, optics, and modern physics. Three hours of lecture per week. Corequisite: PHYS 216. Prerequisite: PHYS 235. Listed as PHYS 1302 in the Texas Common Course Numbering System.
- PHYS 237** **General Physics for Life Science Students I** (3)
First part of trigonometry-based introduction to physics for life science students, including classical mechanics, vibratory motion, and heat. Three hours of lecture per week. Referred to as General Physics I in this document. Corequisite: PHYS 215. Prerequisites: MATH 133 and MATH 134.
- PHYS 238** **General Physics for Life Science Students II** (3)
Second part of trigonometry-based introduction to physics for life science students, including waves, electricity, magnetism, optics, and modern physics. Three hours of lecture per week. Referred to as General Physics II in this document. Corequisite: PHYS 216. Prerequisite: PHYS 237 or PHYS 244.
- PHYS 244** **Physics for Pharmacy Students** (4)
One-semester, trigonometry-based introduction to physics for pharmacy majors emphasizing mechanics, heat, thermodynamics, waves, optics, and modern physics. Will not fulfill physics requirements for admission to professional schools or graduation requirements in other majors at Texas Southern University. Four hours of lecture per week. Prerequisites: MATH 133 and MATH 134.

PHYS 251	College Physics I (5) First part of calculus-based introduction to physics, including classical mechanics, vibratory motion, waves, and thermodynamics. Five hours of lecture per week. Prerequisite: MATH 241. Corequisite: PHYS 217.
PHYS 252	College Physics II (5) Second part of calculus-based introduction to physics, including electricity, magnetism, electromagnetic waves, optics, and modern physics. Five hours of lecture per week. Prerequisite: PHYS 251. Corequisite: PHYS 218.
PHYS 331	Heat and Thermodynamics (3) Temperature measurement, thermal properties, heat transfer, kinetic theory, equations of state, heat-work cycles, laws of thermodynamics, entropy. Three hours of lecture per week. Prerequisites: PHYS 218, PHYS 252, and MATH 333. Offered as needed.
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. Prerequisites: PHYS 251, PHYS 252, PHYS 217, and PHYS 218.
PHYS 333	Electricity and Magnetism I (3) Electric fields, potential, conductors, dielectrics, capacitors, and DC circuits. Three hours of lecture per week. Prerequisites: PHYS 218 and 252. Offered as needed.
PHYS 334	Electricity and Magnetism II (3) Magnetic fields, inductance, AC circuits, and electromagnetic theory. Three hours of lecture per week. Prerequisite: PHYS 333. Offered as needed.
PHYS 335	Mechanics I (3) Dynamics, kinematics, oscillations, deformable bodies and wave motion. Three hours of lecture per week. Prerequisites: PHYS 218 and PHYS 252. Offered as needed.
PHYS 336	Mechanics II (3) Mechanics of a rigid body, Lagrange's equations, and Hamilton's equations. Three hours of lecture per week. Prerequisite: PHYS 335. Offered as needed.
PHYS 338	Mathematical Methods for Physics I (3) Applications to physics of the following: series, complex numbers, linear equations, partial differentiation, vector analysis, Fourier series, and ordinary differential equations. Three hours of lecture per week. Prerequisites: MATH 242 and PHYS 251. Offered as needed.
PHYS 339	Mathematical Methods for Physics II (3) Applications to physics of the following: calculus of variations, coordinate transformations, special functions, partial differential equations, complex variables, integral transforms, and probability. Three hours of lecture per week. Prerequisites: PHYS 252 and PHYS 338. Offered as needed.
PHYS 341	Computational Physics I (3) Use of mathematics software to build skills for physics problem solving. Numerical analysis, numerical integration, and extrapolation of differential equations as applied to physics problems in mechanics, electricity and magnetism, heat and thermodynamics. Three hours of lecture per week. Prerequisites: junior standing and consent of the department chair.
PHYS 342	Computational Physics II (3) Continuation of PHYS 341. Three hours of lecture per week. Prerequisite: PHYS 341.

- PHYS 344 **Electronics** (4)
 Theory and practical operation of modern electronics for students completing Physics 252. Three hours of lecture and three hours of laboratory per week. Prerequisites: PHYS 218 and PHYS 252.
- PHYS 433 **Quantum Mechanics** (3)
 Basic postulates, Schrodinger's equation, barrier transmission, energy levels in square well, harmonic oscillator and hydrogen atom, angular momentum, perturbation theory. Three hours of lecture per week. Prerequisites: PHYS 334 and PHYS 336. Offered as needed.
- PHYS 447 **Atomic and Nuclear Physics** (4)
 Special theory of relativity, particle properties of electromagnetic radiation, wave properties of particles, Rutherford-Bohr model of the atom, nuclear reactions, elementary particles, and statistical mechanics. Four hours of lecture per week. Prerequisites: PHYS 334 and PHYS 336. Offered as needed.
- PHYS 495 **Independent Study** (2)
 Detailed study of an advanced topic in physics under the guidance of an instructor. Consent of the Department required. May be enrolled for up to 4 semester credit hours.
- PHYS 497 **Topics in Physics** (3)
 Current topics in the various branches of physics such as quantum mechanics, space physics, solid state physics, atomic and nuclear physics, and biophysics. May be repeated for credit as topics vary. Three hours of lecture per week. Prerequisites: senior standing and consent of the department chair.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN PHYSICS
TOTAL CREDITS REQUIRED: 133**

CORE CURRICULUM (STANDARD)*	MAJOR (PHYSICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
44 credits	44 credits	24 credits	21 credits
ENG 131 (3) **	PHYS 217 (1)	MATH 241 (4)	Contact
ENG 132 (3)	PHYS 218 (1)	MATH 242 (4)	department of
SC 135 OR 136 (3)	PHYS 251 (5)	MATH 314 (4)	choice after
MATH 136 (3)	PHYS 252 (5)	MATH 330 (3)	being admitted
CHEM 111, 131 (4)	PHYS 331 or 332 (3)	MATH 333 (3)	as a Physics
CHEM 112, 132 (4)	PHYS 333 (3)	CS 120 (3)	Major by the
ENG 2xx (3)	PHYS 334 (3)	CS 124 (3)	Department.
MUSI 131 or ART 131 (3)	PHYS 335 (3)		
HIST 231 (3)	PHYS 336 (3)		
HIST 232 (3)	PHYS 338 or 341 (3)		
POLS 231 (3)	PHYS 339 or 342 (3)		
POLS 232 (3)	PHYS 344 (4)		
PSY 131 or SOC 157	PHYS 433 or 497(3)		
or SOC 158 (3)	PHYS 447 (4) or		
CS 116 (3)	Approved substitute		

* 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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN PHYSICS
BY LEVEL AND SEQUENCE**

Freshman

First Semester

MATH 136 (Pre-Calculus Mathematics), 3 cr
CS 116 (Introduction to Computer Science I), 3 cr

Second Semester

MATH 241 (Calculus and Analytic Geometry II), 4 cr
CS 120 (Introduction to UNIX), 3 cr
CS 124 (Fundamentals of Machine Computation), 3 cr

Sophomore

First Semester

PHYS 217 (College Physics Laboratory I), 1 cr
PHYS 251 (College Physics I), 5 cr
MATH 242 (Calculus and Analytic Geometry II), 4 cr

Second Semester

PHYS 218 (College Physics Laboratory II), 1 cr
PHYS 252 (College Physics II), 5 cr
MATH 314 (Calculus and Analytic Geometry III), 4 cr
MATH 330 (Linear Algebra), 3 cr

Junior

First Semester

PHYS 333 (Electricity and Magnetism I), 3 cr
PHYS 344 (Electronics), 4 cr
PHYS 335 (Mechanics), 3 cr
PHYS 338 (Mathematical Methods for Physics I), **or**
PHYS 341 (Computational Physics I), 3 cr
MATH 333 (Differential Equations), 3 cr

Second Semester

PHYS 331 (Heat and Thermodynamics), **or**
PHYS 332 (Introduction to Modern Physics) 3 cr
PHYS 334 (Electricity and Magnetism), 3 cr
PHYS 336 (Mechanics II), 3 cr
PHYS 339 (Mathematical Methods for Physics II), **or**
PHYS 342 (Computational Physics II), 3 cr

Senior

First Semester

PHYS 433 (Quantum Mechanics), **or**
PHYS 497 (Topics in Physics), 3 cr
PHYS 447 (Atomic and Nuclear Physics), **or**
Approved Substitute, 4 cr

Second Semester

Open

DEPARTMENT OF TRANSPORTATION STUDIES

The Department of Transportation Studies offers courses in the academic discipline of Airway Science (AWS). Through curricular offerings provided, students are able to earn **the Bachelor of Science (B.S.) in Airway Science and the Master of Science (M.S.) in Transportation Planning and Management**. Cooperative Education (COE) courses are also offered through this instructional unit. **An undergraduate minor is offered in Airway Science for students majoring in other academic disciplines. The Airway Science Degree Program is accredited by the National Association of Industrial Technology (NAIT).** Members of the Department are housed in the College of Science and Technology/AWS Center.

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 Airway Science provides students with two tracks, through which a concentration may be gained, to focus on: Airway Computer Science and Airway Science Management. A detailed listing of these requirements, by track, is given below. **Students selecting to pursue the B.S. in Airway Science are not required to declare a minor in another academic discipline. Additionally, grades of “C” or better must be earned in all Airway Science courses required for either track leading to completion of the degree, as well as in all Computer Science courses required in the Airway Computer Science track. Grades of “C-” are unacceptable. Prior to graduation, majors must pass an exit examination during their senior year.**

The mission of the Department of Transportation Studies is threefold: (1) to prepare students, specifically, for a variety of administrative and managerial positions in aviation; (2) to prepare students to function effectively in a number of diverse computer-related areas in the field of aviation; and (3) to provide students with adequate academic background and preparation for pursuing graduate study in the field of aviation or affiliated areas. In the fulfillment of this mission, students selecting the Airway Science Management track of study are prepared for a number of career specialization options: Air Traffic Control Management, Air Carrier Management, Airport Management, and General Aviation Operations Management. To the same end, students choosing the Airway Computer Science track of study are prepared to operate, design software for, troubleshoot, and program computers used in aviation.

Students wishing to pursue one of the tracks of study leading to the B.S. in Airway Science 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. **In addition, before students may register for courses involving flying, they must first pass an appropriate medical examination administered by a Federal Aviation Administration (FAA) designated Aviation Medical Examiner (AME).** In passing this examination, a letter is provided which entitles the recipient to a special medical certificate documenting his/her qualifications to commence flight training.

Up to fifteen (15) semester credit hours may be given for flight-related experience toward the completion of the requirements for the B.S. in Airway Science. The awarding of credit and advanced standing for this experience must be determined by the Dean of the College of Science and Technology and/or the Faculty Chair according to the prescribed eligibility requirements. No credit will be given for the FAA private pilot's certificate; however, flight requirements may be waived upon proof of certification. In equating flight-related experience to credit, appropriate documentation (transcripts, certificates, log books, letters of verification) must be submitted as part of the evaluation process.

In addition to academic course work, **a student pursuing the B.S. in Airway Science must undertake an internship on a semester credit hour basis to meet degree requirements and gain practical experience.** Participants providing internship sites for students are the Houston Airport System (George Bush Intercontinental, Hobby, and Ellington Airports), Central Business District Helipad, airlines with large operational facilities in Houston, and general aviation. 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 Airway Science offered through the Department, students are required to complete 22 semester credit hours in the following courses: AWS 101 (3 credits), AWS 101L (1 credit), AWS 102 (3 credits), AWS 321 (3 credits), AWS 371 (3 credits), AWS 381 (3 credits), AWS 404 (3 credits), and AWS 407 (3 credits).

For additional information on the Bachelor of Science in Airway Science, students are asked to contact the Department Office at (713)-313-1847.

LISTING OF FACULTY IN THE DEPARTMENT

<p>Clack, Harry E. Instructor B.S., M.S., Texas Southern University</p>	<p>Qi, Yi (Grace) Assistant Professor B.S., M.S., East China Normal University, Shanghai M.S. University of New York Ph.D. University of New York</p>
<p>Dittmer, Peter Assistant Professor B.B.A., Texas A & M University M.S., Central Missouri State University Dissertation in Progress, University of Houston</p>	<p>Lewis, Carol A. Associate Professor B.S., M.S., University of Iowa Ph.D., University of Houston</p>
<p>Hall, Tasjah Instructor B.S., Texas Southern University M.S., Texas Southern University</p>	<p>Yu, Lei Chair, Professor B.S., Beijing (former Northern) Jiaotong University M.S., Nagoya Institute of Technology Ph.D., Queen's University</p>
<p>Qiao, Fengxiang Assistant Professor B.S. South East University, Nanjing Jiangsu Province M.S. South East University, Nanjing Jiangsu Province Ph.D. Hong Kong University of Science and Technology</p>	

AIRWAY SCIENCE COURSES

- AWS 101** **Introduction to Aviation** (3)
Introduction to operational parts of an airplane, meteorology, aircraft navigation systems, radio procedures, cockpit instrumentation, flight physiology, and FAA regulations governing flight activity of a private pilot. Preparation for FAA private pilot written examination. Three hours of lecture per week.
- AWS 101L** **Introduction to Aviation Laboratory** (1)
Introduction to rudimentary flight procedures and techniques required for basic flight. Two hours of laboratory per week. Corequisite: AWS 101.
- AWS 102** **Aviation History** (3)
Historical survey of manned flight; developments in aircraft design; the present air transportation system; evolutionary trends in air transportation; origin of all major air carriers; and overview of the role of African-Americans in early aviation. Three hours of lecture per week.
- AWS 113** **Introduction to Flight** (3)
Aircraft engine performance charts, weight and balance limitations, cross-country flight control procedures and communication. Supervised dual and solo flight simulations provided to students. Two hours of lecture and two hours of laboratory per week.
- AWS 113L** **Introduction to Flight Laboratory** (1)
Flight instruction directed toward the private pilot certificate. Two hours of laboratory per week. Corequisite: AWS 113.
- AWS 120** **Transportation Survey** (3)
Transportation modes and their interrelationships; significance of, evolution of, social and environmental impacts of transportation systems; urban transportation problems. Three hours of lecture per week.
- AWS 201** **Flight Meteorology** (3)
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. Corequisite: AWS 201L.
- AWS 201L** **Flight Meteorology Laboratory** (1)
Introduction to the methods and techniques of flight meteorology. Two hours of laboratory per week. Corequisite: AWS 201.
- AWS 313** **Intermediate Flight Theory** (3)
Aerodynamics, weight and balance computations, performance problems, flight maneuvers, aircraft power plant operations, flight physiology, cockpit instrumentation, and associated FAA regulations. Preparation for FAA commercial pilot written examination. Three hours of lecture per week.
- AWS 321** **Air Traffic Control** (3)
Study of the national air traffic control system emphasizing traffic control procedures and the role of centers, approach towers, flight service stations, communications, and navigation procedures. Three hours of lecture per week. Corequisite: AWS 321L.
- AWS 321L** **Air Traffic Control Laboratory** (1)
Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Corequisite: AWS 321.
- AWS 351** **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.

- AWS 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.
- AWS 381 Air Carrier Management (3)**
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.
- AWS 404 Flight Safety (3)**
Analysis of factors and procedures relating to aviation safety; techniques for accident prevention; development of safety and emergency response programs; procedures used in accident investigations; and human factors. Three hours of lecture per week.
- AWS 406 The National Airspace System (3)**
Overview of the proposed NAS Plan, including problems such as airspace allocation, airspace usage, facilities, and safety. Three hours of lecture per week.
- AWS 407 Aviation Services Operations (3)**
Study of the organization, management, and overall operating procedures of a fixed-based operation, including the study of contracts and regulations governing fueling operations and the economics of fuel distribution at airports. Three hours of lecture per week.
- AWS 495 Field Work Practicum in Airway Science (3)**
Directed study involving field placement which provides students with practical exposure to present operational and managerial practices in aviation.

COOPERATIVE EDUCATION COURSES

- COE 233 Cooperative Education (3)**
First training period designed to give students full-time experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. 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 (3)**
Second training period designed to make students assertive in the workplace and aware of gaining upward mobility. Students continue to develop skills in their chosen career areas and are closely supervised. Forty hours of work experience per week. Prerequisite: COE 233.
- COE 333 Cooperative Education (3)**
Third training period where students continue career related work in their chosen areas. Students exposed to analyzing and evaluating their career choices through training requirements, working conditions, and employment outlook. Forty hours of work experience per week. Prerequisite: COE 235.
- COE 433 Cooperative Education (3)**
Fourth training period where the student/employer exposure is well established and students are prepared for full-time employment upon graduation. Variables affecting decision making and other factors enhancing employee-employer relations explored. Forty hours of work experience per week. Prerequisite: COE 333.

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN AIRWAY SCIENCE
AIRWAY COMPUTER SCIENCE TRACK
TOTAL CREDITS REQUIRED: 134**

CORE CURRICULUM* (STANDARD)	MAJOR (AIRWAY COMP SCI)	OTHER REQUIREMENTS
44 credits	61 credits	29 credits
ENG 131 (3)**	AWS 101 (3)	Statistics (3)****
ENG 132 (3)	AWS 101L (1)	ITEC 111 (1)
SC 135 or 136 (3)	AWS 113 (3)	ITEC 331 (3)
MATH 133 (3)	AWS 113L (1)	ITEC 412 (1)
PHYS 215, 235 (4)	AWS 321 (3)	HED 233 (2)
PHYS 216, 236 (4)	AWS 321L (1)	MATH 134 (3)
ENG 2xx (3)	AWS 351 (3)	MATH 241 (4)
MUSI 239 (3)	AWS 371 (3)	BADM 101 (3)
HIST 231 (3)	AWS 404 (3)	MGMT 300 (3)
HIST 232 (3)	AWS 406 (3)	Foreign Language (6)
POLS 231 (3)	AWS 495 (3)	
POLS 232 (3)	AWS Electives (13)***	
PSY 131 (3)	CS 117 (3)	
CS 116 (3)	CS 120 (3)	
	CS 124 (3)	
	CS 216 (3)	
	CS 241 (3)	
	CS 243 (3)	
	CS 343 (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.

*** The thirteen (13) AWS Elective credits should be selected from the following courses: AWS 102 (3), AWS 120 (3), AWS 201 (3), AWS 201L (1), AWS 313 (3), and AWS 407 (3).

**** 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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN AIRWAY SCIENCE
AIRWAY COMPUTER SCIENCE TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

AWS 101 (Introduction to Aviation), 3 cr
AWS 101L (Introduction to Aviation Laboratory), 1 cr
CS 116 (Introduction to Computer Science I), 3 cr
ITEC 111 (Orientation), 1 cr
MATH 133 (College Algebra), 3 cr

Second Semester

AWS Elective (see Curriculum Summary), 3 to 4 cr
CS 117 (Introduction to Computer Science II), 3 cr
MATH 134 (Plane Trigonometry), 3 cr

Sophomore

First Semester

AWS 113 (Introduction to Flight), 3 cr
AWS 113L (Introduction to Flight Laboratory), 3 cr
AWS Elective (see Curriculum Summary), 3 to 4 cr
CS 120 (Introduction to UNIX), 3 cr
MATH 241 (Calculus I), 4 cr

Second Semester

CS 124 (Fundamentals of Machine Computation), 3 cr
CS 216 (Advanced Applications I), 3 cr
PHYS 215 (General Physics Laboratory I), 1 cr
PHYS 235 (General Physics for Technology Students I), 3 cr

Junior

First Semester

AWS 321 (Air Traffic Control), 3 cr
AWS 321L (Air Traffic Control Laboratory), 1 cr
AWS 351 (Aviation Law), 3 cr
AWS Elective (see Curriculum Summary), 3 to 4 cr

Second Semester

CS 241 (Structured Programming in C), 3 cr
CS 243 (Computer Organization), 3 cr
PHYS 216 (General Physics Laboratory II), 1 cr
PHYS 236 (General Physics for Technology Students II), 3 cr

Senior

First Semester

AWS 404 (Flight Safety), 3 cr
AWS 406 (The National Airspace System), 3 cr
CS 343 (Microprocessors and Systems), 3 cr
Statistics Course, 3 cr

Second Semester

AWS 371 (Airport Management), 3 cr
AWS 495 (Field Work Practicum in Airway Science), 3 cr
AWS Elective (see Curriculum Summary), 3 cr
ITEC 331 (Technical Writing), 3 cr
ITEC 412 (Senior Seminar), 3 cr

**CURRICULUM SUMMARY FOR
BACHELOR OF SCIENCE DEGREE IN AIRWAY SCIENCE
AIRWAY SCIENCE MANAGEMENT TRACK
TOTAL CREDITS REQUIRED: 133**

CORE CURRICULUM* (STANDARD)	MAJOR (AIRWAY SCI MGMT)	OTHER REQUIREMENTS
44 credits	57 credits	32 credits
ENG 131 (3)**	AWS 101 (3)	CS 117 (3)
ENG 132 (3)	AWS 101L (1)	CS 216 (3)
SC 135 or 136 (3)	AWS 321 (3)	Statistics (3)****
MATH 133 (3)	AWS 321L (1)	HED 233 (2)
PHYS 215, 235 (4)	AWS 351 (3)	ITEC 111 (1)
PHYS 216, 236 (4)	AWS 371 (3)	ITEC 331 (3)
ENG 2xx (3)	AWS 381 (3)	ITEC 412 (1)
MUSI 239 (3)	AWS 404 (3)	MATH 134 (3)
HIST 231 (3)	AWS 406 (3)	PSY 332 (3)
HIST 232 (3)	AWS 407 (3)	FR 131 or
POLS 231 (3)	AWS 495 (3)	SPAN 131 (3)
POLS 232 (3)	AWS Electives (13)***	FR 132 or
PSY 131 (3)	BADM 101 (3)	SPAN 132 (3)
CS 116 (3)	MGMT 300 (3)	MATH 241 (4)
	MGMT 301 (3)	
	MGMT 400 (3)	
	MGMT 402 (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.

*** The thirteen (13) AWS Elective credits should be selected from the following courses: AWS 102 (3), AWS 113 (3), AWS 113L (1), AWS 120 (3), AWS 201 (3), AWS 201L (1), and AWS 313 (3).

**** 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.

**MAJOR/ASSOCIATED COURSES FOR THE
BACHELOR OF SCIENCE DEGREE IN AIRWAY SCIENCE
AIRWAY SCIENCE MANAGEMENT TRACK
BY LEVEL AND SEQUENCE**

Freshman

First Semester

AWS 101 (Introduction to Aviation, Lecture), 3 cr
AWS 101L (Introduction to Aviation Laboratory), 1 cr
CS 116 (Introduction to Computer Science I), 3 cr
ITEC 111 (Orientation), 1 cr
MATH 133 (College Algebra), 3 cr

Second Semester

AWS Elective (see Curriculum Summary), 3 to 4 cr
CS 117 (Introduction to Computer Science II), 3 cr
MATH 134 (Trigonometry), 3 cr

Sophomore

First Semester

AWS Elective (see Curriculum Summary), 3 to 4 cr
CS 216 (Advanced Applications I), 3 cr

Second Semester

AWS Elective (see Curriculum Summary), 3 to 4 cr
MATH 241 (Calculus I), 3 cr

Junior

First Semester

AWS 321 (Air Traffic Control), 3 cr
AWS 321L (Air Traffic Control Laboratory), 1 cr
AWS 351 (Aviation Law), 3 cr
MGMT 300 (Principles of Management), 3 cr
PHY 235 (General Physics I), 3 cr
PHY 215 (General Physics I Laboratory), 1 cr

Second Semester

AWS 371 (Airport Management), 3 cr
AWS 381 (Air Carrier Management), 3 cr
MGMT 301 (Personnel and Manpower Development), 3 cr
PHY 236 (General Physics II), 3 cr
PHY 216 (General Physics II Laboratory), 1 cr

Senior

First Semester

AWS 404 (Flight Safety), 3 cr
AWS 406 (The National Airspace System), 3 cr
Statistics Course, 3 cr
MGMT 400 (Small Business Management), 3 cr

Second Semester

AWS 407 (Aviation Operations), 3 cr
AWS 495 (Fieldwork Practicum), 3 cr
AWS Elective (see Curriculum Summary), 3 to 4 cr
ITEC 331 (Technical Writing), 3 cr
ITEC 412 (Senior Seminar), 3 cr
MGMT 402 (International Management), 3 cr

