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The University of Texas  
at Tyler

1996-1998  
CATALOG

GRADUATE ★ UNDERGRADUATE



# THE UNIVERSITY OF TEXAS AT TYLER 1996-98 CATALOG

Board of Regents	3
The University	4
Bachelor's Degrees	5
Master's Degrees	6
Tuition and Fees	8
General Academic Policies	27
Undergraduate Academic Policies	35
Undergraduate Admission	35
International Student Requirements	37
Student Affairs	44
Financial Assistance	56
Scholarships	58
Learning Resources	63
<b>School of Business Administration</b>	
Undergraduate Programs	65
Graduate Programs	243
Faculty	351
<b>School of Education and Psychology</b>	
Undergraduate Programs	77
Graduate Programs	252
Faculty	353
<b>School of Liberal Arts</b>	
Undergraduate Programs	125
Graduate Programs	306
Faculty	356
<b>School of Sciences and Mathematics</b>	
Undergraduate Programs	195
Graduate Programs	330
Faculty	360
<b>Division of Nursing</b>	
Undergraduate Programs	226
Graduate Programs	341
Faculty	362
<b>Graduate Policies and Programs</b>	235
Graduate Admissions Requirements	236
International Students Requirements	237
Staff	364
Index	366

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The University of Texas at Tyler is an upper level university providing appropriate educational services at the undergraduate and graduate level.

FOR ADDITIONAL INFORMATION CONTACT  
OFFICE OF ADMISSIONS AND STUDENT RECORDS  
THE UNIVERSITY OF TEXAS AT TYLER  
3900 UNIVERSITY BOULEVARD  
TYLER, TEXAS 75799  
TELEPHONE: AREA CODE 903-566-7000  
ADMISSIONS HOTLINE 1-800-UT TYLER

The University of Texas at Tyler reserves the right to withdraw courses at any time, or change fees, tuition, rules, calendar, curriculum, degree programs, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the appropriate authorities so determine and may apply to both prospective students and those already enrolled. The provisions of the catalog do not constitute a contract, expressed, or implied, between any applicant, student, or faculty member of The University of Texas System and The University of Texas at Tyler.

All students at The University of Texas at Tyler are subject to all Rules and Regulations of the Board of Regents of The University of Texas System and institutional rules and regulations. Rules regarding student conduct and discipline are included in Part One, Chapter VI of the Rules and Regulations of the Board of Regents and in The University of Texas at Tyler Handbook of Operating Procedures.

#### STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored or conducted by The University of Texas System or any of its component institutions on any basis prohibited by applicable law, including, but not limited to, race, color, age, national origin, religion, sex, veteran status, or disability.

## BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM

### OFFICERS

Bernard Rapoport, Chairman  
Thomas O. Hicks, Vice-Chairman  
Martha E. Smiley, Vice-Chairman  
Arthur H. Dilly, Executive Secretary

### MEMBERS

Terms Expire February 1, 1997

Zan W. Holmes, Jr. ....	Dallas
Bernard Rapoport .....	Waco
Ellen Clarke Temple .....	Lufkin

Terms Expire February 1, 1999

Thomas O. Hicks .....	Dallas
Lowell H. Lebermann, Jr. ....	Austin
Martha E. Smiley .....	Austin

Terms Expire February 1, 2001

Linnet F. Deily .....	Houston
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Tom Loeffler .....	San Antonio

### STANDING COMMITTEES

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Vice-Chairman Hicks, Vice-Chairman Smiley

Business Affairs and Audit Committee: Chairman Smiley  
Regent Deily, Regent Hicks

Academic Affairs Committee: Chairman Lebermann  
Regent Evans, Regent Temple

Health Affairs Committee: Chairman Loeffler  
Regent Deily, Regent Temple

Facilities Planning and Construction Committee: Chairman Temple  
Regent Holmes, Regent Lebermann

Asset Management Committee: Chairman Hicks  
Regent Evans, Regent Loeffler

**Note:** Chairman Rapoport is an ex-officio member of all standing committees



# THE UNIVERSITY

## HISTORY

The University of Texas at Tyler was created as Tyler State College on June 10, 1971, when Governor Preston Smith signed Senate Bill 419. The name of the upper-division, coeducational institution of higher education was changed to Texas Eastern University by the 64th Texas Legislature through House Bill 630. Governor Dolph Briscoe signed the bill on May 26, 1975, and it became effective September 1, 1975.

The university became a component of The University of Texas System on September 1, 1979, as a result of action by the 66th Texas Legislature. Governor William P. Clements Jr. signed Senate Bill 906 on June 2, 1979.

The University of Texas at Tyler is accredited by the Southern Association of Colleges and Schools to award bachelor's and master's degrees. Correspondent status was conferred in December 1972 with membership approved in December 1974. Accreditation was reaffirmed in December 1990 for the standard term of ten years.

As a component institution of The University of Texas System, UT Tyler is subject to the Rules and Regulations of the Board of Regents of The University of Texas System.

## PURPOSE

The University of Texas at Tyler, a coeducational institution of higher education, endeavors to provide a setting for free inquiry; encourage excellence in teaching; stimulate productive scholarship and research; and promote community and public service by its faculty, staff, and students. The University aspires to develop within its students an analytical ability to solve problems, an appreciation of the arts and humanities, a commitment to prepare for a productive and rewarding role in the international community, and a scholarly foundation for continuing, self-directed learning.

As an upper level university offering junior, senior, and graduate programs, UT Tyler strives to meet the educational needs of students transferring from community colleges or other institutions seeking undergraduate or graduate degrees. Also, the institution seeks to serve students who desire to upgrade their professional preparation, broaden their perspectives, or enrich their lives.

For the citizens of the region and beyond, the University endeavors to provide a forum for the exchange of ideas, offer exposure to both national and international perspectives, engage in specialized learning opportunities, and explore research and instructional resources—thereby influencing economic, social, cultural and intellectual development of the greater community.

## LOCATION

The University of Texas at Tyler is the only public degree-granting university located in the East Texas Planning Region, an area of approximately 750,000 population, which includes the greater Tyler/Longview metropolitan area. The natural beauty of this dynamic region is exemplified by UT Tyler's distinctive campus with its scenic lakes and wooded, rolling hills.

## ACADEMIC ORGANIZATION

The University of Texas at Tyler is organized into four academic schools (Business Administration, Education and Psychology, Liberal Arts, and Sciences and Mathematics) and a Division of Nursing.

Graduate degrees are administered by the dean of the appropriate school.

## BACHELOR'S DEGREES

The University of Texas at Tyler offers a wide variety of educational opportunities. The university offers bachelor's degrees with majors in the following areas:

Program	Degree	Page No.
Accounting	B.B.A.	65
Applied Arts and Sciences	B.A.A.S.	123
Art	B.A./B.F.A.	129/131
Biology	B.S.	197
Chemistry	B.S.	208
Computer Science	B.S.	215
Criminal Justice	B.S.	165
Economics	B.A./B.S.	168
English	B.A.	137
Finance	B.B.A.	65
General Business	B.B.A.	65
General Studies	B.G.S.	126
Health & Kinesiology	B.A.	100
Health Professions	B.S.	94
History	B.A./B.S.	142
Interdisciplinary Studies	B.S.	81
Journalism	B.A./B.S.	182/183
Kinesiology	B.S.	97
Management	B.B.A.	65
Marketing	B.B.A.	65
Mathematics	B.S.	222
Medical Technology	B.S.	203
Music	B.M./B.A.	155/156
Nursing	B.S.N.	228
Political Science	B.A./B.S.	171
Psychology	B.A./B.S.	106/107
Sociology	B.A./B.S.	176
Spanish	B.A.	149
Speech Communication	B.A./B.S.	187
Technology	B.S.	116
Theatre	B.A.	192
Training and Development	B.S.	121

### Engineering Programs

The University of Texas at Tyler is planning, beginning in September 1997, to offer under authority granted by the 74th Texas Legislature bachelors degrees in Electrical Engineering and Mechanical Engineering. At the time this catalog was printed, these



programs had not been approved formally by The University of Texas System and the Texas Higher Education Coordinating Board.

Prospective students should contact the Office of Admissions and Student Records at The University of Texas at Tyler for details of approved pre-engineering courses.

## MASTER'S DEGREES

The University of Texas at Tyler offers master's degrees in the following areas:

Program	Degree	Page No.
Biology	M.S.	330
Business Administration	M.B.A.	243
Clinical Exercise Physiology	M.S.	267
Clinical Psychology	M.S.	274
Computer Science	M.S.	331
Counseling Psychology	M.A.	279
Curriculum and Instruction	M.A./M.Ed.	257/258
Early Childhood Education	M.A./M.Ed.	259
Educational Administration	M.Ed.	286
English	M.A.	308
Health and Kinesiology	M.A./M.Ed.	266
History	M.A.	313
Interdisciplinary Studies	M.A./M.S.	306
Kinesiology	M.S.	268
Mathematics	M.S.	333
Nursing	M.S.N.	341
Psychology	M.S.	280
Public Administration	M.P.A.	320
Reading	M.A./M.Ed.	290/291
School Counseling	M.A.	275
Special Education	M.A./M.Ed.	295/296
Technology	M.S.	301

## ACADEMIC COUNCIL

President  
 Vice President for Academic Affairs  
 Chief Fiscal Officer  
 Dean of School of Business Administration  
 Dean of School of Education and Psychology  
 Dean of School of Liberal Arts  
 Dean of School of Sciences and Mathematics  
 Director of Nursing  
 Director of the Library  
 Faculty Senate President, Ex-Officio  
 Faculty Senate Past President, Ex-Officio  
 Special Assistant to the President  
 Executive Assistant to the President for Public Affairs  
 Director of Development  
 Director of Admissions and Student Records

George F. Hamm, Ph.D.  
 W. A. Baker, Ph.D.  
 Ronald T. Wall, B.B.A.  
 Jim L. Tarter, Ph.D.  
 J. Milford Clark, Ed.D.  
 Stephen R. Lefevre, Ph.D.  
 L. Lynn Sherrod, Ph.D.  
 Linda K. Klotz, Ph.D.  
 Charles B. Harrell, Ph.D.

Sandra Sayles, Ph.D.  
 Mark Heckmann, M.P.A.  
 Joy Turns, M.Ed.  
 Martha D. Wheat, B.S.

## ADMINISTRATIVE SERVICES

Director of Admissions and Student Records  
 Business Manager  
 Director of Computer Services  
 Director of Development  
 Associate Director of Development  
 Director of Student Services  
 Coordinator of Personnel Services  
 Director of Physical Plant  
 Executive Assistant to the President for Public Affairs  
 Director of Student Financial Aid  
 Chief, University Police

Martha D. Wheat, B.S.  
 Lynne Culverhouse, B.B.A.  
 Steve Wilson, B.B.A.  
 Joy Turns, M.Ed.  
 Evelyn Muntz, M.L.A.  
 Mary Loden, M.S.  
 Peggy Emery, M.S.  
 Loyd Ellis  
 Mark Heckmann, M.P.A.  
 Veronica G. Wallace, B.B.A.  
 David N. Beidelman, M.P.A.

### Accredited by the following:

Commission on Colleges of the Southern Association of Colleges and Schools (to award bachelor's and master's degrees)  
 National Accrediting Agency for Clinical Laboratory Sciences  
 National League for Nursing  
 Texas Board of Nurse Examiners  
 Texas Education Agency

### Membership in the following:

American Association of Colleges of Nursing  
 American Association of Higher Education  
 American Association of State Colleges and Universities  
 American Association of University Women  
 American Council on Education  
 Association of Texas Colleges and Universities  
 Conference of Southern Graduate Schools  
 Council for Advancement and Support of Education  
 Council of Public University Presidents and Chancellors of Texas  
 Institute of International Education  
 National League for Nursing: Council of Baccalaureate and Higher Degree Programs and Council of Nursing Centers  
 Southern Council on Collegiate Education for Nursing: Southern Regional Education Board  
 Texas Association of College and University Auditors

### Recognized by the following:

Texas Higher Education Coordinating Board  
 Commission on Law Enforcement Officer Standards and Education  
 Immigration and Naturalization Service, United States Department of Justice  
 Veterans Administration



# TUITION AND FEES

Tuition charges at Texas state universities are established by state law. Other expenses at The University of Texas at Tyler are fixed within statutory limitations by the Board of Regents. The cost of attending UT Tyler varies with the individual student. The university reserves the right to change tuition and fees in keeping with acts of the Texas Legislature and/or policies of the Board of Regents.

## PAYMENT OF FEES

Students are encouraged to pay all fees at the time of registration, have an approved financial aid program arranged by the Student Financial Aid Office prior to registration, or pay by installments as outlined below. Payment may be made by cash, check or money order payable to UT Tyler. Checks, money order, and VISA or Master Card payment will be accepted subject to final collection by the university's bank. All tuition and fee payments by third parties, i.e. employers of students, clubs, service organizations and relatives of students, must be presented at registration.

## OPTION TO PAY TUITION AND FEES BY INSTALLMENTS

Students of UT Tyler may make payment of tuition and fees for the fall and spring semesters through the following installment plan: one-half (1/2) of tuition and fees in advance of the beginning of the semester and two (2) one-fourth (1/4) payments prior to the sixth and eleventh class weeks. Students choosing the installment plan may use VISA or Master Card for the down payment; however, the additional two installment payments cannot be charged to VISA or Master Card. This plan is not available for summer sessions.

A promissory note will be required and an incidental handling fee of \$11 will be collected from students utilizing the installment plan. A late payment fee of \$10 will be assessed for each late payment.

A student who fails to provide full payment of tuition and fees, including late fees assessed, when payments are due, is subject to one or more of the following actions:

- A. Denial of readmission;
- B. Withholding of grades, degree and official transcript; and
- C. Appropriate penalties as established by law.

## RESIDENTS OF STATES OTHER THAN TEXAS

Generally, a nonresident student is defined as an individual under 18 years of age or a dependent (claimed by parents or guardian for federal income tax purposes at the time of registration and for the preceding tax year) whose family has not resided in Texas for the

## TUITION AND FEES

12-month period immediately preceding the date of registration; and an individual over 18 years of age who has not been gainfully employed in Texas for a 12-month period immediately preceding registration or who has not evidenced an unequivocal intent to remain in the state. *Texas Education Code*, §54.052(a)-(h).

The Office of Admissions is guided by the Texas Education Code, the *Rules and Regulations of the Board of Regents* and the *Rules and Regulations for Determining Residence Status* of the Texas Higher Education Coordinating Board in determining the resident status of students. The law governing residence for tuition purposes is not the same as the law governing residence for voting, vehicle registration, etc. Various circumstances can affect a student's residence status for tuition purposes: i.e. death or divorce of parents, custody of minor by court order, and active military duty of student or student's parents. A nonresident student classification is presumed correct as long as the individual continues as a student. However, the nonresident presumption is not conclusive, and it is possible that a nonresident student may be reclassified to resident student status after residing in Texas for at least 12 months and evidencing unequivocal intent to remain in the state.

## STUDENT RESPONSIBILITY FOR RESIDENCY CLASSIFICATION

The responsibility for registering under the proper residence is placed upon the student. It is the student's duty, at or before registration, if there is any possible question of the right to legal residence in Texas under the state law and the university rules, to raise the question with the Office of Admissions and Student Records and have such questions settled prior to registration. Copies of *Rules and Regulations for Determining Residence Status* prepared by the Texas Higher Education Coordinating Board are available in the Office of Admissions and Student Records. There can be no change of resident status except upon express authorization by the Director of Admissions and Student Records. Attempts on the part of a nonresident student to evade the nonresident fee is a serious matter and may lead to disciplinary action, including expulsion and/or penalty as set forth in the law.

## RESIDENCE CLASSIFICATIONS FOR TUITION

Listed below are two residency classifications used in determining tuition charges. The fee schedule for the classifications which appear in this section applies to enrollment for either credit or non-credit.

**RESIDENTS OF TEXAS:** Residents of Texas pay tuition of \$32 per semester credit hour, effective for the fall semester of 1996, and \$34 per semester credit hour for the fall semester of 1997, with a minimum charge of \$120 for a regular semester or 12-week summer session and a minimum charge of \$60 for each six-week summer term.

**NONRESIDENTS, (U.S. CITIZENS AND FOREIGN STUDENTS):** Nonresident U.S. citizens and foreign students pay tuition of \$246 per semester credit hour for the 1996-97 academic year, and as determined by the Texas Higher Education Coordinating Board for the 1997-98 academic year.

### OATH OF RESIDENCY

Statute: Section 54.0521(a) Before an individual may register at an institution of higher education paying tuition at the rate provided for residents, the individual must affirm under oath to the appropriate official at the institution that the individual is entitled to be classified as a resident for purposes of tuition.



## TUITION AND FEES

Statute: Section 54.0521(b) If the institution later determines that the individual was not entitled to be classified as a resident at the time of the individual's registration, the individual shall, not later than 30 days after the date the individual is notified of the determination, pay to the institution the amount the individual should have paid as a non-resident.

Statute: Section 54.0521(c) If the individual fails to make a timely payment as required by this section, the individual is not entitled to receive a transcript or to receive credit for courses taken during the time the individual was falsely registered as a resident student.

Oath of residency. When completing the oath of residency portion of the application for admission, the student is responsible for registering under the proper residence classification and for providing documentation as required by the public institution of higher education. If there is any question as to right to classification as a resident of Texas, it is the student's obligation, prior to or at the time of enrollment, to raise the question for official determination by the director of admissions. Students classified as Texas residents must affirm the correctness of that classification as a part of the admissions procedure. If the student's classification as a resident becomes inappropriate for any reason, it is the responsibility of the student to notify the Office of Admissions and Student Records. Failure to notify the institution constitutes a violation of the oath of residency and will result in disciplinary action.

## TUITION AND REQUIRED FEES

### 1996-97 ACADEMIC YEAR \*

#### REGULAR SEMESTERS (& SUMMER 12-WEEK SESSION)

The amounts presented below include a \$10.00 per semester hour Student Service Fee (\$150 maximum), an \$26 per semester hour General Use Fee, and tuition calculated at \$32 per semester credit hour (\$120 minimum). Additional information regarding all fees is provided in this section.

Semester Hours	Texas Residents	Non-Texas Residents
1	\$ 156.00	\$ 282.00
2	192.00	564.00
3	228.00	846.00
4	272.00	1128.00
5	340.00	1410.00
6	408.00	1692.00
7	476.00	1974.00
8	544.00	2256.00
9	612.00	2538.00
10	680.00	2820.00
11	748.00	3102.00
12	816.00	3384.00
13	884.00	3666.00
14	952.00	3948.00
15	1020.00	4230.00
16	1078.00	4502.00

## TUITION AND FEES

17	1136.00	4774.00
18	1194.00	5046.00
19	1252.00	5318.00
20	1310.00	5590.00
each additional hour	\$ 58.00	\$ 272.00

### 1996-97 ACADEMIC YEAR \*

#### SUMMER 6-WEEK SESSIONS

The amounts presented below include a \$10.00 per semester hour Student Service Fee (\$150 maximum), a \$26 per semester hour General Use Fee, and tuition calculated at \$32 per semester credit hour (\$60 minimum).

Semester Hours	Texas Residents	Non-Texas Residents
1	\$ 96.00	\$ 282.00
2	136.00	564.00
3	204.00	846.00
4	272.00	1128.00
5	340.00	1410.00
6	408.00	1692.00
7	476.00	1974.00
8	544.00	2256.00
9	612.00	2538.00
each additional hour	\$58.00	\$272.00

**\*NOTICE:** Tuition and fees are subject to change by Legislative enactments and/or by actions of the Board of Regents of the University of Texas System.

### 1997-98 ACADEMIC YEAR \*

#### REGULAR SEMESTERS (& SUMMER 12-WEEK SESSION)

The amounts presented below include a \$10.00 per semester hour Student Service Fee (\$150 maximum), a \$34 per semester hour General Use Fee, and tuition calculated at \$34 per semester credit hour (\$120 minimum). Additional information regarding all fees is provided in this section.

Semester Hours	Texas Residents	Non-Texas Residents**
1	\$ 164.00	
2	208.00	
3	252.00	
4	312.00	
5	390.00	
6	468.00	
7	546.00	
8	624.00	
9	702.00	



## TUITION AND FEES

10	780.00
11	858.00
12	936.00
13	1014.00
14	1092.00
15	1170.00
16	1238.00
17	1306.00
18	1374.00
19	1442.00
20	1510.00
each additional hour	\$ 68.00

**\* NOTICE:** For the 1997-98 academic year, tuition will be determined by the Texas Higher Education Coordinating Board. This may result in tuition charges higher than those of the previous academic year.

### 1997-98 ACADEMIC YEAR \* SUMMER 6-WEEK SESSIONS (AND SUMMER 3-WEEK SESSION)

The amounts presented below include a \$10.00 per semester hour Student Service Fee (\$150 maximum), a \$34 per semester hour General Use Fee, and tuition calculated at \$34 per semester credit hour (\$60 minimum).

Semester Hours	Texas Residents	Non-Texas Residents**
1	\$ 104.00	
2	156.00	
3	234.00	
4	312.00	
5	390.00	
6	468.00	
7	546.00	
8	624.00	
9	702.00	
each additional hour	\$68.00	

**\*NOTICE:** Tuition and fees are subject to change by Legislative enactments and/or by actions of the Board of Regents of the University of Texas System.

**\*\* NOTICE:** For the 1997-98 academic year, tuition will be determined by the Texas Higher Education Coordinating Board. This may result in tuition charges higher than those of the previous academic year.

### SPECIAL TUITION CLASSIFICATIONS

Listed below are some special exceptions to the foregoing residency classifications.

- A. A nonresident or foreign student employed at least half-time in a program-related position such as teaching assistant or a research assistant is entitled to pay the

## TUITION AND FEES

same tuition as a resident of Texas. The student's spouse and children may also be enrolled under this classification.

- B. A nonresident or foreign student holding a competitive academic scholarship of at least \$1,000 for the academic year in which enrolled is entitled to pay the fees required to Texas residents provided he/she competes with other students including Texas residents for the scholarship and the scholarship be awarded by a scholarship committee recognized by UT Tyler and approved by the Coordinating Board.
- C. Usually, a member of the United States military forces is entitled to pay the resident tuition fee for self or dependents. The student must submit appropriate evidence including a statement from his/her commanding officer stating that the member is currently on permanent active duty assignment within the state of Texas.
- D. The *Texas Education Code*, §54.052 *et seq.* includes other exceptions not reprinted in the catalog. For more information consult the cited statutes and the Office of Admissions.

### TUITION AND FEE EXEMPTIONS

Certain students are exempt from paying tuition and some of the required fees by state law. Specific eligibility requirements under these provisions can be obtained from the Student Financial Aid Office. Applications for exemptions must be completed prior to registration. Exempt classifications include the following:

- A. Residents of the State of Texas who are children of Prisoners of War or Persons Missing in Action are exempt from paying all tuition and fees
- B. Blind and/or deaf students eligible for the rehabilitation services of the State Commission for the Blind and/or the Division of Vocational Rehabilitation of the Texas Education Agency may be exempt from certain fees
- C. Dependent children of firemen and peace officers disabled or killed-on-duty are exempt from paying tuition and laboratory fees
- D. Veterans (and dependents of veterans who died in active service) of World War I, World War II, Korean War and certain other qualified veterans who have no remaining veterans' administration educational benefits are eligible for Hazelwood Act benefits if residents of Texas at the time they entered the armed forces, having resided in Texas 12 months prior to enrollment in a Texas education institution and an honorable discharge from the service.

Orphans of members of the Texas National Guard and the Texas Air National Guard killed since January 1, 1946, while on active duty either in the service of their state or the United States, may also be eligible under this provision. In order to qualify for benefits under the Hazelwood Act, the veteran must file with the Office of Admissions and Student Records. Items to be filed are a certified discharge papers (DD214) and a notarized affidavit certifying the veteran was a resident of Texas before entering the armed forces. The affidavit must be signed by a person other than the veteran.

- E. The Texas Higher Education Coordinating Board may formulate a plan for students from other nations in the American hemisphere to be exempt from paying tuition at institutions of higher learning in the state of Texas
- F. Residents of the State of Texas who are 65 years of age or older may audit courses without paying the regular audit fees, providing class space is available
- G. Residents of the State of Texas who are 65 years of age or older may enroll in the fall, spring, and summer semesters and receive an exemption for the cost of tuition for up to six hours each semester.
- H. Students residing in Arkansas, Louisiana, and Oklahoma will be charged the statutory rate for Texas residents, plus \$30.00 per semester credit hour. Students must



## TUITION AND FEES

demonstrate residency by providing a current driver's license, copies of their state and federal tax returns for the current year. This must be presented each semester prior to payment of tuition and fees.

## CONCURRENT ENROLLMENT

Students enrolling at UT Tyler and who have previously registered for the same semester at a public community/junior college or other public college or university may qualify for a tuition reduction as a result of the concurrent enrollment. Application for the tuition reduction should be made at the Student Financial Aid Office prior to paying registration fees. A fee receipt from the college at which the student was first enrolled must be presented in order to determine eligibility for a tuition reduction.

## AUTOMATED SERVICES FEE .....\$15

This fee is required of all students to defray costs of computerized registration and library services.

## GENERAL USE FEE AND STUDENT SERVICE FEE

The General Use Fee, as authorized by State law and approved by the Board of Regents of The University of Texas System, is a required fee for all students and is used to retire bonded indebtedness for construction of facilities utilized by students and for other purposes as approved by the Board of Regents. The Student Service Fee, as authorized by State law, is required of all students. Income from this fee is used to provide a well-rounded program of activities and services for students of the university. Included are recreational activities, intramural athletics, artists and lecture series, cultural entertainment, student publications, and other student activities and services authorized and approved through appropriate channels. Refunds of these fees are on the same basis as tuition as described under schedule of refunds.

## INTERNATIONAL EDUCATION FEE .....\$1

This fee is required of all students and is to be used to assist students participating in international student exchange or study programs.

## SPECIAL ARTS AND PERFORMANCE CENTER FEE

This fee is required of all students and may not exceed \$20 per student for each regular session or \$10 per student for each summer term. The fee may not be increased above \$30 and \$15, respectively, unless approved by a majority vote of students participating in a general election. The fee is in addition to other use or service fees.

## OTHER FEES AND CHARGES

## ADD FEE .....\$5

A \$5 fee will be charged for adding a course or courses at one time after the regularly scheduled registration period, except when the change is considered the fault of the university.

## TUITION AND FEES

## AUDIT FEE .....\$25

Those students enrolled as auditors will be charged an audit fee of \$25.00 per course. Audit fees are nonrefundable.

## BASIC COMPUTER ACCESS FEE .....\$25

A minimum \$25 fee is assessed per semester to defray costs of computer time and data storage space made available for students requiring use of computers and peripherals.

## COURSE FEE

This fee is assessed to defray costs of materials, equipment, technical assistance, and clerical wages directly associated with classroom activity. Course fees will be refunded on same schedule as tuition.

### School of Business Administration

#### Course fee assessed .....\$5

ACCT 3300, 3301, 3302, 3311, 3312, 3315, 3325, 3326, 4310, 4320, 4325, 4330, 4380, 4385, 4390, 4391, 4099, 5300, 5310, 5320, 5340, 5350, 5360, 5365, 5370, 5385, 5099

#### Course fee assessed .....\$5

FINA 3311, 3315, 3321, 3330, 3340, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4390, 4099, 5310, 5320, 5330, 5370, 5390, 5099

#### Course fee assessed .....\$5

GENB 3300, 3301, 3305, 3306, 3353, 3370, 4310, 4370, 4371, 5321, 5340, 5396, 5397, 5099, 5390

#### Course fee assessed .....\$5

MANA 3311, 3315, 3320, 3330, 4300, 4305, 4315, 4325, 4335, 4370, 4380, 4385, 4395, 4099, 5305, 5310, 5315, 5320, 5335, 5350, 5380, 5390, 5395, 5099

#### Course fee assessed .....\$5

MARK 3311, 3321, 3325, 3340, 3350, 3360, 4305, 4365, 4380, 4390, 4099, 5320, 5330, 5370, 5380, 5390, 5099

### School of Education and Psychology

#### Course fee assessed .....\$10

ALHS 3301, 3302, 3360, 4306, 4308, 4320, 4330, 5320, 5343, 5347, 5350, 5360, 5362, 5367, 5370

#### Course fee assessed .....\$15

ALHS 4301, 4328, 5303

#### Course fee assessed .....\$5

ALHS 3350, 3362, 4307, 5314, 5322, 5365, 5366

#### Course fee assessed .....\$10

CEPH 5221, 5223, 5354

#### Course fee assessed .....\$25

CEPH 5313

#### Course fee assessed .....\$5

COSY 4301, 4601

#### Course fee assessed .....\$7

COUN 5311, 5312, 5313, 5315, 5316, 5318, 5319, 5321, 5330, 5334

#### Course fee assessed .....\$10

COUN 5314



## TUITION AND FEES

Course fee assessed	\$15
COUN 5335	
Course fee assessed	\$50
COUN 5366	
Course fee assessed	\$5
EDAD 5300	
Course fee assessed	\$10
EDAD 5310, 5311, 5320, 5330, 5333, 5335, 5337, 5340, 5350, 5353, 5358, 5360	
Course fee assessed	\$5
EDEC 3345, 4355, 5300, 5310, 5325, 5327, 5335, 5337, 5340, 5342, 5345, 5347, 5348, 5349, 5630	
Course fee assessed	\$5
EDFB 3333, 4305, 4310, 4311, 4312, 4313, 4314, 4321, 4337, 4350, 4374, 4377	
Course fee assessed	\$10
EDFB 4360	
Course fee assessed	\$20
EDFB 4366	
Course fee assessed	\$5
EDGT 5354	
Course fee assessed	\$10
EDGT 5355, 5360, 5362	
Course fee assessed	\$5
EDSP 5300, 5376	
Course fee assessed	\$7
EDSP 3333, 4350, 4361, 4362, 4363, 4362	
Course fee assessed	\$10
EDSP 4352, 4369, 4374, 5350, 5352, 5360, 5362, 5363, 5367, 5368, 5370, 5375, 5378	
Course fee assessed	\$20
EDSP 4365, 5357, 5364, 5366	
Course fee assessed	\$5
EDUC 4311, 5300, 5301, 5303, 5305, 5308, 5312, 5327, 5328, 5330, 5335, 5340, 5341, 5342, 5347, 5348, 5349, 5350, 5351, 5352, 5353, 5355, 5357, 5358, 5360, 5370	
Course fee assessed	\$10
EDUC 5310	
Course fee assessed	\$5
ELED 4310	
Course fee assessed	\$10
ELED 4311, 4312, 4313, 4314	
Course fee assessed	\$5
EPSY 3330, 3340, 3350	
Course fee assessed	\$5
HECC 4372, 5099, 5376	
Course fee assessed	\$10
HECC 4370, 4371, 4395, 5303, 5391, 5392, 5393	
Course fee assessed	\$15
HECC 4333, 4099	
Course fee assessed	\$25
HECC 5317, 5395, 5396	
Course fee assessed	\$10
HLED 3360, 3362, 4324, 4326, 4333	

## TUITION AND FEES

Course fee assessed	\$5
HLED 4100	
Course fee assessed	\$15
HLED 4315, 4317	
Course fee assessed	\$5
KINE 3303, 5304, 5305, 5314	
Course fee assessed	\$10
KINE 3201, 3207, 3211, 4333, 5216	
Course fee assessed	\$15
KINE 4314, 5306, 5311	
Course fee assessed	\$25
KINE 4308, 5308, 5307, 5309, 5313, 5317, 5318, 5333, 5335, 5337, 5339	
Course fee assessed	\$35
KINE 5315,	
Course fee assessed	\$7
PSYC 3301, 3306, 3311, 3325, 3344, 3345, 4311, 4315, 4319, 4320, 4321, 4341, 4352, 4354, 4355, 5308, 5312, 5320, 5322, 5325, 5328, 5330, 5340, 5342, 5345, 5352, 5354, 5361, 5371, 5390, 5391	
Course fee assessed	\$10
PSYC 3331, 3354, 4301, 4318	
Course fee assessed	\$15
PSYC 5373	
Course fee assessed	\$13
PSYC 5358	
Course fee assessed	\$25
PSYC 5368, 5369	
Course fee assessed	\$31
PSYC 5365	
Course fee assessed	\$36
PSYC 5356	
Course fee assessed	\$52
PSYC 5366, 5367	
Course fee assessed	\$10
PYED 3355, 3356, 4353	
Course fee assessed	\$5
PYED 4356, 5352, 5354	
Course fee assessed	\$15
PYED 5308	
Course fee assessed	\$25
PYED 4337	
Course fee assessed	\$5
READ 4337, 4338, 4350, 4374, 5300, 5380	
Course fee assessed	\$10
READ 4360, 4364, 5350, 5360, 5361, 5363, 5364, 5368, 5381, 5382, 5386, 5388	
Course fee assessed	\$20
READ 4366, 5362, 5365, 5366	
Course fee assessed	\$5
SSED 4320, 4321, 4322, 4323, 4324	
Course fee assessed	\$5
TECH 3308, 3311, 3313, 3314, 3315, 3316, 3318, 3334, 3344, 3345, 4301, 4302, 4303, 4304, 4305, 4306, 4307, 4308, 4316, 4320, 4330, 4332, 4348, 4150, 4250, 4334, 4350, 4151, 4251, 4351, 4360, 4370, 4371, 4099, 5099, 5300, 5301, 5303,	



## TUITION AND FEES

5305, 5309, 5310, 5312, 5313, 5325, 5326, 5327, 5328, 5329, 5330, 5331, 5341, 5342, 5345, 5346	
<b>Course fee assessed</b> .....	<b>\$10</b>
TECH 4310, 5318	
<b>Course fee assessed</b> .....	<b>\$15</b>
TECH 4317	
<b>Course fee assessed</b> .....	<b>\$5</b>
TNDV 4310, 4311, 4312, 4313, 4325, 4331, 4332, 4333, 4334, 4335, 4340, 4341, 4370, 4371, 4099, 5310, 5313, 5315, 5333, 5334, 5335, 5336, 5337, 5338, 5340, 5341, 5380, 5381	
<b>School of Liberal Arts</b>	
<b>Course fee assessed</b> .....	<b>\$5</b>
ANTH 3330, 3360, 3380, 5310	
<b>Course fee assessed</b> .....	<b>\$5</b>
ART 4311, 4320, 4337, 4349, 4373, 4192, 5310	
<b>Course fee assessed</b> .....	<b>\$10</b>
ART 3340, 3366, 4342, 4343, 4344, 4345, 4348, 5330, 3341, 3342, 4346, 4347	
<b>Course fee assessed</b> .....	<b>\$14</b>
ART 3315, 5313, 5340	
<b>Course fee assessed</b> .....	<b>\$20</b>
ART 3380, 3384, 4380, 4381, 5311, 5314, 5390	
<b>Course fee assessed</b> .....	<b>\$25</b>
ART 3376, 3377, 4376, 4377	
<b>Course fee assessed</b> .....	<b>\$28</b>
ART 3300, 4331	
<b>Course fee assessed</b> .....	<b>\$40</b>
ART 3356	
<b>Course fee assessed</b> .....	<b>\$42</b>
ART 3320, 3321	
<b>Course fee assessed</b> .....	<b>\$10</b>
CRIJ 4322	
<b>Course fee assessed</b> .....	<b>\$5</b>
CRIJ 3300, 3302, 3310, 3311, 3320, 3322, 3325, 3326, 3328, 3330, 4305, 4306, 4307, 4310, 4313, 4314, 4315, 4332, 4340, 4341, 4350, 4360, 5301, 5302, 5303, 5307, 5310	
<b>Course fee assessed</b> .....	<b>\$5</b>
ECON 3300, 3305, 3310, 3311, 3314, 3317, 4310, 4320, 4340, 4350, 4360, 4099, 5300, 5310, 5320, 5330, 5340, 5660, 5661, 5099	
<b>Course fee assessed</b> .....	<b>\$5</b>
ENGL 3310, 3315, 3330, 3335, 3340, 3345, 3375, 3376, 3385, 3390, 3395, 4305, 4315, 4320, 4325, 4330, 4335, 4345, 4350, 4355, 4368, 4377, 4378, 4395, 4668 5382, 5384	
<b>Course fee assessed</b> .....	<b>\$5</b>
FREN 3315, 3320	
<b>Course fee assessed</b> .....	<b>\$5</b>
GEOG 3310, 3320, 3325, 4320, 4325, 4350, 4360	
<b>Course fee assessed</b> .....	<b>\$5</b>
GERM 3315, 3320	
<b>Course fee assessed</b> .....	<b>\$5</b>
HIST 3300, 3301, 3352, 3353, 3356, 3357, 3358, 3359, 3382, 3383, 3392, 3395, 4301,	

## TUITION AND FEES

4320, 4322, 4324, 4325, 4326, 4327, 4328, 4368, 4384, 4385, 4386, 4387, 4388, 4389, 4391, 4392, 4393, 4394, 4395, 4397, 4668, 5310, 5320, 5330, 5340, 5352, 5353, 5356, 5357, 5358, 5359, 5368, 5668, 5371, 5384, 5385, 5386, 5387, 5388, 5389, 5394, 5397	
<b>Course fee assessed</b> .....	<b>\$5</b>
INTS 3300	
<b>Course fee assessed</b> .....	<b>\$5</b>
JOUR 3301, 3305, 3311, 3318, 3333, 3340, 3350, 3351, 3356, 3360, 3375, 3380, 3385, 3390, 4300, 4310, 4325, 4329, 4331, 4333, 4334, 4335, 4350, 4360, 4361, 4363, 4365, 4368, 4668, 5301, 5303, 5305, 5307, 5310, 5315, 5329	
<b>Course fee assessed</b> .....	<b>\$5</b>
LATN 3300, 3301, 3305	
<b>Course fee assessed</b> .....	<b>\$5</b>
MUSI 3120, 3121, 3122, 3123, 3310, 3311, 3313, 3325, 3326, 3328, 3330, 4310, 4325, 4326, 4345	
<b>Course fee assessed</b> .....	<b>\$10</b>
MUSI 3140, 3145, 3318, 3324, 4100, 5140, 5145	
<b>Course fee assessed</b> .....	<b>\$10</b>
PADM 5396	
<b>Course fee assessed</b> .....	<b>\$5</b>
PADM 5330, 5331, 5332, 5336, 5337, 5338, 5339, 5340	
<b>Course fee assessed</b> .....	<b>\$5</b>
PHIL 3300, 3330, 3331, 4300, 4330, 5320, 5325, 5327,	
<b>Course fee assessed</b> .....	<b>\$10</b>
POLS 4197	
<b>Course fee assessed</b> .....	<b>\$5</b>
POLS 3300, 3301, 3310, 3315, 3330, 3335, 3340, 3345, 3350, 3351, 3370, 3372, 3375, 3380, 3390, 4310, 4320, 4321, 4330, 4340, 4345, 4349, 4352, 4353, 4355, 4360, 4365, 5310, 5320, 5325, 5335, 5340, 5350	
<b>Course fee assessed</b> .....	<b>\$10</b>
SOCI 3396	
<b>Course fee assessed</b> .....	<b>\$5</b>
SOCI 3302, 3306, 3315, 3321, 3328, 3341, 3345, 3380, 3385, 3397, 4305, 4307, 4308, 4311, 4320, 4321, 4330, 4340, 4360, 4380, 5302, 5307, 5321, 5325, 5341, 5380, 5385, 5390, 5397	
<b>Course fee assessed</b> .....	<b>\$5</b>
SPAN 3325, 3335, 3345, 3350, 3355, 4310, 4312, 4331, 4360, 4364, 4365, 4368, 4375, 4380, 4385, 4668, 5368, 5668	
<b>Course fee assessed</b> .....	<b>\$5</b>
SPCM 3320, 3321, 3322, 3325, 4301, 4302, 4315, 4320, 4326, 4327, 4330, 4331, 4332, 4360, 4368, 4668, 5325, 5328, 5329, 5330, 5335, 5340, 5350, 5351	
<b>Course fee assessed</b> .....	<b>\$6</b>
SPCM 3330, 3340	
<b>Course fee assessed</b> .....	<b>\$5</b>
THTR 3320, 3329, 3330, 3350, 3351, 3352, 4321, 4329, 4356, 4360, 4361, 4365, 5310, 5311, 5320, 5321, 5329	
<b>School of Sciences and Mathematics</b>	
<b>Course fee assessed</b> .....	<b>\$5</b>
BIOL 3147, 3320, 3328, 3332, 3336, 3338, 3343, 3345, 4300, 4304, 4331, 4335, 4339, 4350, 4661, 5340, 5362, 5380, 5384, 5390	



## TUITION AND FEES

<b>Course fee assessed</b> .....	<b>\$5</b>
CHEM 3107, 3108, 3310, 3312, 3333, 3342, 3344, 3352, 3354, 4330, 4334, 4190, 4191, 5310, 5320, 5380	
<b>Course fee assessed</b> .....	<b>\$5</b>
MATH 3304, 3305, 3310, 3315, 3320, 3325, 3330, 3345, 3350, 3353, 3365, 3380, 4320, 4335, 4341, 4342, 4350, 4380, 5305, 5310, 5315	
<b>Course fee assessed</b> .....	<b>\$5</b>
MEDT 4581, 4483, 4785, 4687, 4189, 4191, 4293, 4195, 4196	
<b>Division of Nursing</b>	
<b>Course fee assessed</b> .....	<b>\$5</b>
NURS 3205, 4621, 4623, 4431, 4432, 5220, 5312, 5414, 5322, 5426, 5126, 5330, 5332, 5334	
<b>Course fee assessed</b> .....	<b>\$10</b>
NURS 3210, 3212, 3307, 3310, 3401, 3415, 3613, 4313, 4314, 4318, 4323, 4333, 4345, 4435, 4625, 5308, 5310, 5313, 5314, 5318, 5320, 5323, 5345,	
<b>Course fee assessed</b> .....	<b>\$20</b>
NURS 5350, 5352	
<b>Course fee assessed</b> .....	<b>\$25</b>
NURS 5354	

## DIPLOMA FEE

### Baccalaureate and Master's degrees ..... \$10

These fees are payable at the University Cashiers' Office and are nonrefundable. Diploma fees are valid for the semester in which paid. After this time, another fee will be assessed for reapplication. This fee covers the cost of the diploma. This fee does not provide commencement regalia. Separate arrangements may be made through the University Bookstore.

**NOTE:** Two summer terms are considered equivalent to one long semester.

## EDUCATIONAL ADMINISTRATION

### INTERNSHIP FEE ..... \$40

Nonrefundable, one-time fee to help defray costs associated with the internship.

## EXTENDED COMPUTER ACCESS FEE

This fee is assessed to defray costs related to computer utilization beyond that level covered by the Basic Computer Access Fee. It can be assessed in \$10 minimum increments. Amount charged is dependent on type of computers and peripherals as well as actual time and direct storage space used. Some courses are predetermined to require this extended fee and are so listed as follows:

<b>School of Business Administration</b>	
<b>Extended Computer fee assessed</b> .....	<b>\$10</b>
ACCT 4391	
<b>Extended Computer fee assessed</b> .....	<b>\$10</b>
MANA 3330, 4305	
<b>School of Education and Psychology</b>	
<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
EDAD 5345	

## TUITION AND FEES

<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
EDUC 4321, 5309, 5310, 5319, 5359	
<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
HECC 4333	
<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
HLED 4315	
<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
HOSE 5315	
<b>Extended Computer fee assessed</b> .....	<b>\$10</b>
TECH 3315, 3318, 4310, 4317, 5310, 5311, 5318	
<b>School of Liberal Arts</b>	
<b>Extended Computer fee assessed</b> .....	<b>\$20</b>
GEOG 4330	
<b>Extended Computer fee assessed</b> .....	<b>\$10</b>
JOUR 3356	

## School of Sciences and Mathematics

<b>Extended Computer fee assessed</b> .....	<b>\$40</b>
COSC 3301, 3302, 3303, 3308, 3309, 3310, 3311, 3312, 3340, 3350, 3365, 3370, 4089, 4099, 4309, 4310, 4321, 4325, 4327, 4330, 4335, 4340, 4345, 4355, 4350, 4365, 4370, 4375, 4377, 4381, 4430, 5306, 5310, 5314, 5315, 5316, 5318, 5324, 5325, 5326, 5330, 5335, 5336, 5340, 5345, 5346, 5350, 5351, 5352, 5354, 5360, 5361, 5362, 5365, 5370, 5373, 5375, 5380, 5390, 5395, 5396, 5099	

## Division of Nursing

<b>Extended Computer fee assessed</b> .....	<b>\$10</b>
NURS 3403, 4333, 4432, 5320, 5324, 5332, 5350, 5395	

## FIELD EXPERIENCE

### AND STUDENT TEACHING FEE ..... \$50

This is a one-time, nonrefundable fee to defray costs of speech and hearing tests, supervisory travel, maintenance and operation costs, and wages associated with the School of Education and Psychology's field experience and student teaching program.

## INCIDENTAL EQUIPMENT FEE

This fee is assessed to defray costs of maintenance and repairs of equipment.

## School of Sciences and Mathematics

<b>Incidental Equipment fee assessed</b> .....	<b>\$25</b>
BIOL 3121, 3431, 3137, 3144, 3146, 3348, 4101, 4132, 4136, 4140, 4151, 5141, 5465, 5181, 5185, 5191	
<b>Incidental Equipment fee assessed</b> .....	<b>\$25</b>
CHEM 4309, 3111, 3113, 3132, 3143, 3145, 3153, 3155, 4135, 4540, 5121	

## INTERNSHIP IN STUDENT TEACHING ..... \$1,200

## INSTRUCTIONAL AIDE INTERNSHIP ..... \$600



**GENERAL PROPERTY DEPOSIT (House Bill 1831)**

A one-time property deposit of \$10 will be required. The deposit shall be returned on the withdrawal or graduation of a student, less any loss, damage or breakage caused by the student.

**INDIVIDUAL COACHING****OR INSTRUCTIONAL FEE ..... \$50 to \$75**

Students enrolled in art, drama, speech, or music, where individual coaching or instruction is the usual method of instruction, shall pay a fee in addition to the regular tuition as follows:

Semester Credit Hours	Regular Semester	Summer Term
1	\$50	\$50
2	\$75	\$75

**INTERNATIONAL STUDENTS MANDATORY HEALTH INSURANCE COVERAGE**

International students holding non-immigrant visas are required to maintain approved comprehensive health insurance or coverage while enrolled at UT Tyler. A health insurance fee will be assessed at the time of enrollment. The health insurance fee will be in the amount of the premium approved for the U.T. System Student Health Insurance Plan for the actual cost of the insurance and may not be paid through university funded short-term loan or installment plan. This policy applies unless the student provides evidence of coverage under an alternative plan as approved by the UT Board of Regents prior to enrollment.

**LABORATORY FEE**

For each laboratory course, a fee is charged based on the cost of materials and equipment used in the lab. For laboratory courses dropped, the laboratory fee will be refunded on the same schedule as tuition.

**School of Education and Psychology**

<b>Laboratory fee assessed</b> .....	<b>\$10</b>
KINE 3112, 5116	
<b>Laboratory fee assessed</b> .....	<b>\$10</b>
CEPH 5121, 5123	
<b>Laboratory fee assessed</b> .....	<b>\$15</b>
KINE 3101, 3107, 3134, 3233	
<b>Laboratory fee assessed</b> .....	<b>\$5</b>
PSYC 3155	
<b>Laboratory fee assessed</b> .....	<b>\$15</b>
PSYC 3232	

**School of Liberal Arts**

<b>Laboratory fee assessed</b> .....	<b>\$20</b>
ART 3379, 4379, 5312	

<b>Laboratory fee assessed</b> .....	<b>\$15</b>
JOUR 3134	

**School of Sciences and Mathematics**

<b>Laboratory fee assessed</b> .....	<b>\$15</b>
BIOL 3121, 3137, 3144, 3146, 3348, 3431, 4101, 4132, 4136, 4140, 4151, 5141, 5181, 5185, 5191	
<b>Laboratory fee assessed</b> .....	<b>\$30</b>
BIOL 5465	
<b>Laboratory fee assessed</b> .....	<b>\$15</b>
CHEM 3111, 3113, 3132, 3143, 3145, 3153, 3155, 3409, 4131, 4135, 4440, 5121	
<b>Laboratory fee assessed</b> .....	<b>\$15</b>
MEDT 4188, 4190, 4192, 4194, 4280, 4282, 4284, 4286	

**Division of Nursing**

<b>Laboratory fee assessed</b> .....	<b>\$10</b>
NURS 3403, 3611	

**LATE REGISTRATION FEE ..... \$5**

Those students registering after the last day of regular registration will be assessed a late fee of \$5.

**LIBRARY FEES**

To cover handling costs associated with computer searches, microfilm/microfiche printing and with processing lost books or books returned after the due date.

**Overdue Charges:**

Regular	\$0.25/day
Curriculum books	\$0.25/day
Reserve materials	\$1.00/day
Interlibrary loan	\$2/day
Lost books	cost plus \$25
Microfilm/microfiche printing	\$0.10-0.15/page
Bibliographic computer search (academic)	cost plus \$2
Bibliographic computer search (non-academic)	cost plus \$10
Telefacsimile transmissions (academic)	\$1.00 plus \$0.10/page
Telefacsimile transmissions (non-academic)	\$2.50/page

**MATRICULATION FEE ..... \$15**

Students who enroll and completely withdraw prior to the first class day will be charged a \$15 matriculation fee.

**PARKING FEES**

All full and part-time students, faculty and staff who operate a motor vehicle on property or streets owned or controlled by the university are required to register each vehicle with the University Police Department. A registration permit must be affixed to each vehicle in accordance with the Traffic, Parking and Safety Regulations of the university. Motor vehicles will be registered with a single payment for the academic year or for the balance of the year registered, whichever is applicable (the year is September 1 through August 31). The following fees will be charged at the initial period of registration:



## TUITION AND FEES

fall semester	\$15
spring semester	\$10
first summer	\$5
second summer	\$3

Additional vehicles may be registered by paying \$2 per vehicle at the University Police Department in the Physical Plant Building, room 121. In order to register a vehicle, a driver's license and motor vehicle license number must be provided.

## RECORDS FEE ..... \$5.00

This fee is used to defray cost of providing UT Tyler transcripts and enrollment certifications. There is a limit of five transcripts per day at no charge and a maximum of fifty transcripts at no charge. Maximum \$15.00 per year.

## RETURNED CHECK COLLECTION CHARGE ..... \$15.00

If a check is returned from the bank unpaid for any reason, the student will be assessed a collection fee of \$7.50 for each check returned. The student must pay the full amount of the returned check plus the \$7.50 collection fee immediately in cash, cashier's check or money order. In the event of nonpayment of a returned check, one or more of the following actions may be taken: (a) a bar against readmission for the student, (b) withholding the student's grades and official transcript, (c) withholding a degree to which the student otherwise would be entitled; (d) all other penalties and actions authorized by law. In addition, the check may be turned over to the District Attorney of Smith County, Texas for prosecution.

## SCHEDULE OF REFUNDS

If a student formally drops one or more courses through the Office of Admissions and Student Records and the Business Office, the university will refund applicable tuition and fees collected for courses from which a student drops within the first 12 days of a fall or spring semester, within the first four days of a summer term, or within the first 2 days of a mini session, provided the student remains enrolled at the institution for that semester or term. Refunds for courses dropped by a student who later in the semester or term withdraws from the institution will be calculated according to the following schedule:

### Regular semester

prior to first class day	100% *
during first five class days	80%
during second five class days	70%
during third five class days	50%
during fourth five class days	25%
after fourth five class days	no refund

### Regular summer semester

prior to first class day	100% *
during first, second, or third class day	80%
during fourth, fifth, or sixth class day	50%
seventh class day and thereafter	no refund

### Mini session (3 weeks or less)

prior to first class day	100% *
during first class day	80%
during second class day	50%
third class day and thereafter	no refund

\*Less \$15 matriculation fee.

## TUITION AND FEES

For refunds, the effective date of withdrawal will be the date when the withdrawal is officially completed and recorded by the Office of Admissions and Student Records. If a scheduled course of instruction is cancelled by the university, all fees will be refunded. No refunds will be made unless applied for in the same school year as withdrawal. Immediate refund will not be made to students who withdraw during the refund period. Normally, refund checks will be mailed within 30 days from the last day of scheduled refunds to the student's address on file in the Office of Admissions and Student Records. Surrender of the Student Identification Card and other such activity books or tickets must be made to the Business Office at the time of withdrawal.

As an institution participating in programs under Title IV of the *Higher Education Act of 1965* as amended ("Act"), UT Tyler is required to refund unearned tuition, fees, room and board, and other charges to certain students attending the institution for the first time who have received a grant, a loan, or work assistance under Title IV of the Act or whose parents have received a loan on their behalf under 20 U.S.C. section 1087-2. The refund is required if the student does not register for, withdraws from, or otherwise fails to complete the period of enrollment for which the financial assistance was intended. No refund is required if the student withdraws after a point in time that is sixty percent of the period of enrollment for which the charges were assessed. A student who withdraws prior to that time is entitled to a refund of tuition, fees, room and board, and other charges that is the larger of the amount provided for in Section 54.0006, *Texas Education Code*, or a pro rata refund calculated pursuant to Section 484B of the Act, reduced by the amount of any unpaid charges and a reasonable administrative fee not to exceed the lesser of five percent of the tuition, fees, room and board, and other charges that were assessed for the enrollment period, or one hundred dollars.

All policies regarding the payment or refunding of tuition, fees, and charges comply with applicable statutes and are approved by the Board of Regents of The University of Texas System. If a person desires clarification of any matter relating to payment or refund of such charges, or believes special circumstances warrant exceptions to the published policy, the Office of Business Affairs at UT Tyler should be contacted.

## INTERNATIONAL APPLICATION FEE ..... \$50.00

A nonrefundable application fee of U.S. \$50.00, payable by cashier's check or money order, is required of all international students applying for admission to UT Tyler.

## STUDENT INSURANCE

Sickness and accident insurance is available to all UT Tyler students and their dependents on a voluntary basis and offers students an opportunity to purchase coverage. Additional information regarding the student insurance program may be obtained from the Student Services Office.

## TEST FEE ..... \$23

To defray costs associated with administering and scoring Miller Analogy Test.

## TEXTBOOKS AND SUPPLIES

It is a responsibility of each student to provide his/her own textbooks and supplies. The University Bookstore, located in the University Center, is the primary source of these materials as well as other merchandise related to the academic community.

**Refunds:** When a student finds it necessary to return a book to the University Book-



## TUITION AND FEES

store for refund, the cash register receipt for the original purchase must be presented. Refunds are available for a limited time from date of purchase. Check with bookstore for exact limits.

**Textbook buybacks:** As a service to students, the bookstore will purchase selected, used, current edition textbooks provided they are in good condition. Prices for individual textbooks are based on present stock level, projected use and/or used textbook catalogs maintained by the bookstore.

**NOTE:** Student identification cards are required when selling books; driver's license ID required when purchasing by check in the University Bookstore.

## TRANSCRIPT FEE .....\$5

The fee is used to defray cost of providing non-UT Tyler transcripts and those UT Tyler transcripts in excess of the fifty provided by the Records Fee.

# GENERAL ACADEMIC POLICIES

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## STUDENT SCHOLASTIC LOAD

The minimum credit hour load to be considered a full-time undergraduate student is 12 semester hours during a regular semester or six semester hours during a summer term. The maximum credit hour load normally permitted at UT Tyler is 18 hours during a regular semester and nine hours during a summer term. A minimum credit hour load to be considered a full-time graduate student is nine semester hours of graduate level courses during a regular semester or six semester hours during a summer term. For more information on academic policy for graduate students, see the Graduate Policies and Programs section of this catalog.

## COURSE NUMBERING SYSTEM

The course numbering system consists of a four-letter discipline abbreviation followed by a four-digit number. The first digit represents the level of the course: junior level courses are 3000 series, senior level courses are 4000 series, and graduate courses are 5000 series. The second digit indicates the semester credit hour value of the course. The last two digits are the distinguishing numbers of the course within the department.

## REGISTRATION PROCEDURES

UT Tyler encourages students to participate in the telephone registration periods for which scheduled dates and times are published in the schedules for each semester. Students may add and drop during the telephone registration periods and the regularly scheduled registration periods as well as the late registration periods. Students desiring to add and drop during this period of time may do so through the registration process; however, after the twelfth class day, which is published in each schedule (or the fourth class day in a summer session or the second day in a mini semester), the student must use the procedures listed under the withdrawal policy guidelines.

## GRADING SYSTEM

At the end of each regular semester and summer session, a grade report will be sent to the student containing the grades for the semester, the cumulative semester credit hours, and current grade point average.

Grades, levels of performance, and grade points awarded per attempted semester



credit hour at UT Tyler are as follows:

grade	level of performance	grade points
A	indicates excellent work	4
B	indicates good work	3
C	indicates fair work	2
D	indicates poor work	1
F	indicates failing work	0
WF	indicates withdrawal while failing	0

Designations and other symbols which do not earn grade points and are not used for calculation of grade point averages are as follows:

#### symbol

CR	indicates credit with semester credit hours awarded (See credit/no-credit option policy.)
NC	indicates no-credit with no semester credit hours awarded (See credit/no-credit option policy.)
I	indicates incomplete coursework (See incomplete policy.)
W	indicates withdrawal (See withdrawal policies.)
R	indicates a course subsequently repeated
*	indicates an upper-division course taken for graduate credit (G was used prior to 1976.)

There is a one-year time limit for grade changes and only the original instructor of the course may change a grade. CR and W designations may not be changed to letter grades, and I must be removed from the student's records within one year. See specific sections which elaborate on the institutional policies concerning the designations CR, NC, I, and W.

## CALCULATION OF GRADE POINT AVERAGE

Grades A, B, C, D, F, and WF and the associated semester credit hours will be used to calculate grade point averages. The designations I, W, CR, and NC and the associated semester credit hours will not be used.

If a student repeats a course, only the last grade earned and the last semester credit hours attempted are used to compute the grade point average. If the student receives a W or I in the repeated course, then the previous grade continues to be used to compute the grade point average.

## CREDIT/NO-CREDIT OPTION

Students may elect to enroll in some courses on a credit/no-credit basis. Certain courses in the curriculum may be taken only on a credit/no-credit basis. These include student teaching and internships. Pre-professional students should note that many professional schools, e.g. law, count CR/NC entries the same as an F in computing applicants' grade

point averages. The following provisions apply to courses taken on a credit/no-credit basis:

- A. A maximum of 12 semester hours of CR work may be applied toward a baccalaureate degree.  
Work taken on a CR basis may be applied toward a baccalaureate degree only if permission is granted by an authorized representative of the department in which the student is majoring.
- B. Courses taken on a CR basis may not be in the general degree requirements.  
Student teaching and internships are the only undergraduate courses in which CR credit may be applied toward a major, minor, certification, or endorsement.
- C. Declaration for enrollment on a credit/no-credit basis must be made at the time of registration on a special form requiring the signature of the student's advisor.
- D. The designation CR will not be changed to a grade of A, B, C, or D.
- E. The designation of CR and NC will not be used in calculating the grade point average.
- F. The designation CR will be counted toward the total number of hours passed.

## REPEATING COURSES

A student may repeat any **undergraduate course** previously taken at UT Tyler if the last grade received in the course was a D, F, or WF. A **graduate course** may be repeated if the last grade received in the course was a C, D, F, or WF; however, the repeated course may not be taken on a credit/no-credit basis.

If a student repeats a course, then only the last grade earned and the last semester credit hours attempted are used to compute the grade point average. If the student receives a W or I in the repeated course, then the previous grade continues to be used to compute the grade point average.

## INCOMPLETE

If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an incomplete (I) for the course. The student and the instructor must submit an Incomplete Form (AR 407) detailing the work required and the time by which the work must be completed to the academic dean for approval. The time limit established must not exceed one year. Should the student fail to complete all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has not been assigned within one year, then the incomplete will be changed to an F. The semester credit hours for an incomplete will not be used to calculate the grade point average for a student.

## PARTIAL WITHDRAWAL

A withdrawal, W, may not be assigned for a course unless the student completes the appropriate procedure. A student may not initiate a withdrawal after the "last day to withdraw from a course."

A student who wishes to withdraw from a course after the "last day of late registration" while retaining at least one course must initiate the withdrawal with the instructor of the course. The instructor will counsel the student and, if withdrawing from the course seems warranted, the instructor and the student will complete a withdrawal form. If the instructor is not available, the appropriate department chair or academic dean may advise the stu-



dent and sign the withdrawal form.

If the withdrawal is initiated by the student no later than the "last day to withdraw from a course with an automatic W," then the student's record will reflect a W.

If the withdrawal is initiated by the student after the "last day to withdraw from a course with an automatic W," then the student's record will reflect a W or a WF. If the student has a passing average at the time of the withdrawal, then the designation will be W. Otherwise, the designation will be WF.

## COMPLETE WITHDRAWAL

A withdrawal, W, may not be assigned for a course unless the student completes the appropriate procedure. A student may not initiate a withdrawal after the "last day to withdraw from a course."

A student who wishes to withdraw from all courses after the "last day of late registration" should consult with an academic advisor. The effective date of the complete withdrawal is the date upon which the student initiates the withdrawal through the Office of Admissions and Student Records or the postmark date of a letter requesting withdrawal. If the withdrawal is initiated by the student no later than the "last day to withdraw from a course with an automatic W," then the student's record will reflect a W for each course. If the withdrawal is initiated by the student after the "last day to withdraw from a course with an automatic W," then the student's record for each course will reflect a W or a "WF." If the student has a passing average at the time of withdrawal, the designation will be W. Otherwise, the designation will be WF.

## FILING FOR GRADUATION

The following guidelines must be completed to file for graduation:

A. Each student must apply for graduation. Applications for graduation are available in the Office of Admissions and Student Records.

B. The student must pay the graduation fee at the university cashier's office.

Commencement dates are published in the schedule of classes each semester and are available in the Office of Admissions and Student Records.

## CLASS ATTENDANCE POLICY

Class attendance is the responsibility of the student. When a student has a legitimate absence, the instructor may permit the student to complete missed assignments. In many cases, class participation is a significant measure of performance, and non-attendance may adversely affect a student's grade. When a student's absences become excessive, the instructor may recommend that the student may initiate a withdrawal. See the PAR-TIAL WITHDRAWAL or COMPLETE WITHDRAWAL sections of this catalog.

## FINAL EXAMINATION

Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the dean of the appropriate school, after consultation with the faculty member involved, may authorize an exception to the schedule.

## COURSE ENROLLMENTS

The university reserves the right to cancel a scheduled course upon evidence of inadequate enrollment. Normally a minimum of 10 students is required in an undergraduate course and five students in a graduate course.

## INTERACTIVE VIDEO INSTRUCTION

Expansion of UT Tyler's Interactive Video courses gives students greater flexibility in scheduling classes and reduces travel expenses and commuting time.

A panoramic camera, a large television screen and a sensitive sound system allow complete communication between each location. Students at the remote site are able to participate fully in class discussions.

## OFF-CAMPUS INSTRUCTION

Subject to the availability of a qualified faculty member and a demonstrated student need, courses may be offered at convenient locations off the main campus. Groups desiring to organize a class off-campus should make application to the academic dean of the appropriate school. Various departments initiate off-campus courses where an apparent need exists. These courses are listed in the class schedule within the appropriate discipline as well as in a special section for off-campus courses. Tuition and required fees for off-campus instruction are the same as indicated in the tuition and fee schedule listed elsewhere in this catalog.

## EXTENSION CREDIT

Instruction through extension courses may be offered by the university. No more than six semester credit hours of extension credit earned at the upper-division or graduate level may be applied toward a degree at UT Tyler. The above hours are subject to approval by the student's academic advisor. Since each extension course must be self-supporting, fees are established on an individual course basis.

## AUDITING

A student may audit courses by taking the following steps:

- Completion of an audit form. The audit form is available in the Office of Admissions and Student Records
- Enrollment after the regular registration period
- Secure consent of the instructor and department chair
- Payment of a \$25 audit fee in the Office of Financial Services. Students who are residents of the State of Texas and are 65 years of age or older are exempt from this charge.

Participation in class activities is at the discretion of the instructor.

A student may not audit a course offered on an individual instruction basis, receive credit for the course, nor be eligible for advanced standing examination.



## VISITATION POLICY

Visitors are welcome to the university campus; however, permission to visit a class must be received from the instructor.

## STUDENT RECORDS

### Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. §1232g, and the Texas

Public Information Act, Texas Government Code §552.001 et seq., are respectively a federal and state law that provide for the review and disclosure of student educational records. In accordance with these laws, the University has adopted the following policy. Individuals are informed of their rights under these laws through this policy which is included in the University Handbook of Operating Procedures (HOPs) and Catalog. The Catalog is available in the Office of Admissions and Student Records and HOPs are available in the University Library and administrative offices.

The University will not permit access to or the release of personally identifiable information contained in student education records without the written consent of the student to any party, except as follows:

- (1) to appropriate university officials who require access to educational records in order to perform their legitimate educational duties;
- (2) to officials of other schools in which the student seeks or intends to enroll, upon request of these officials, and upon the condition that the student be notified and receive a copy of the record if desired;
- (3) to federal, state, or local officials or agencies authorized by law;
- (4) in connection with a student's application for, or receipt of, financial aid;
- (5) to accrediting organizations or organizations conducting educational studies, provided that these organizations do not release personally identifiable data and destroy such data when it is no longer needed for the purpose it was obtained;
- (6) to the parents of a dependent student as defined in section 152 of the Internal Revenue Code of 1954, provided a reasonable effort is made to notify the student in advance;
- (7) in compliance with a judicial order or subpoena, provided a reasonable effort is made to notify the student in advance unless such subpoena specifically directs the institution not to disclose the existence of a subpoena;
- (8) in an emergency situation if the information is necessary to protect the health or safety of the students of other persons; or
- (9) to an alleged victim of any crime of violence, the results of the alleged perpetrator's disciplinary proceeding may be released.

The University will release information in student education records to appropriate University officials as indicated in (1) above when such records are needed by administrators, faculty, or staff in furtherance of the educational or business purposes of the student or University.

A record of requests for disclosure and such disclosure of personally identifiable information from student education records shall be maintained the Office of Admissions and

Student Records for each student and will also be made available for inspection pursuant to this policy. If the institution discovers that a third party who has received student records from the institution has released or failed to destroy such records in violation of this policy, it will prohibit access to educational records for five (5) years. Respective records no longer subject to audit nor presently under request for access may be purged according to regular schedules.

### Directory Information

At its discretion, the University may release Directory Information which shall include:

- (1) name, address, telephone number
- (2) date and place of birth
- (3) major field of study
- (4) participation in officially recognized activities and sports
- (5) dates of attendance
- (6) most recent previous educational institution attended
- (7) classification
- (8) degrees and award received
- (9) date of graduation

Students may have any or all Directory Information withheld by notifying the Office of Admissions and Student Records in writing each semester during the first 12 days of class of a fall or spring semester or the first 4 class days of a summer semester. Request for non-disclosure will be honored by the institution for only the current enrollment period; therefore, a request to withhold Directory Information must be filed each semester in the Office of Admissions and Student Records.

### Access to File

Upon written request, the University shall provide a student with access to his or her educational records. The Chief Fiscal Officer has been designated by the institution to coordinate the inspection and review procedures for student education records, which include admissions files, academic files, and financial files. Students wishing to review their education records must make written requests to the Chief Fiscal Officer listing the item or items of interest. Education records covered by the Act will be made available within 45 days of the request.

A list of education records and those officials responsible for the records shall be maintained at the Office of Admissions and Student Records. This list includes:

- A. Academic Records
  - \*Office of Admissions and Student Records
  - \*University Department and Faculty Offices
- B. Student Services Records
  - \*Counseling Office: Coordinator of Counseling and Testing
  - \*Student Activities Office: Coordinator of Student Activities
  - \*Student Services: Director of Student Services
- C. Financial Records
  - \*Office of Financial Services: Business Manager
  - \*Financial Aid Office: Director of Financial Aid

Educational records do not include:

- (1) financial records of the student's parents or guardian;
- (2) confidential letters of recommendation which were placed in the educational records of a student prior to January 1, 1975;
- (3) records of instructional, administrative, and educational personnel which are kept



in sole possession of the maker and are not accessible or revealed to any other individual except a temporary substitute for the maker;

- (4) records of law enforcement units;
- (5) employment records related exclusively to an individual's employment capacity;
- (6) medical and psychological records;
- (7) thesis or research paper; or
- (8) records that only contain information about an individual after the individual is no longer a student at the institution.

### Challenge to Record

Students may challenge the accuracy of their educational records. Students who believe that their education records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy may discuss their problems informally with the Special Assistant to the President. If agreement is reached with respect to the student's request, the appropriate records will be amended. If not, the student will be notified within a reasonable period of time that the records will not be amended, and they will be informed by the Special Assistant to the President of their right to a formal hearing.

Student requests for a formal hearing must be made in writing to the Special Assistant to the President who, within a reasonable period of time after receiving such requests, will inform students of the date, place and the time of the hearing. Students may present evidence relevant to the issues raised and may be assisted or represented at the hearings by one or more persons of their choice, including attorneys, at the student's expense. The hearing officer that will adjudicate such challenges will be appointed by the Vice President for Academic Affairs.

Decisions of the hearing officer will be final, will be based solely on the evidence presented at the hearing, will consist of the written statements summarizing the evidence and stating the reasons for the decisions, and will be delivered to all parties concerned.

The education records will be corrected or amended in accordance with the decision of the hearing officer, if the decision is in favor of the student. If the decision is unsatisfactory to the student, the student may place with the education records statements commenting on the information in the records or statements setting forth any reasons for disagreeing with the decision of the hearing officer, or both.

The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed.

Students who believe that the adjudications of their challenges were unfair or not in keeping with the provisions of the Act may request in writing, assistance from the President of the institution.

### Copies

Students may have copies of their educational records and this policy. These copies will be made at the student's expense at rates authorized in the Texas Public Information Act, except for transcripts and other records which may be subject to specific fees pursuant to other legislative enactments. Official copies of academic records or transcripts will not be released for students who have a delinquent financial obligation or financial "hold" at the University.

### Complaints

Complaints regarding alleged failures to comply with the provisions of the FERPA may be submitted in writing to the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue SW, Washington, D.C. 20202-4605.

# UNDERGRADUATE ACADEMIC POLICIES

The University of Texas at Tyler is an upper level and graduate institution offering junior, senior, and graduate level courses. Admission requirements for graduate studies are defined in the Graduate Policies and Programs section of this catalog.

## UNDERGRADUATE ADMISSION REQUIREMENTS

- A. An application for admission form obtained from the Office of Admissions and Student Records must be completed
- B. Applicants must submit an official transcript that is not more than 60 days old from each college or university attended
- C. Applicants must be eligible to return to the college or university most recently attended
- D. Applicants who have not completed the TASP requirement may enroll at UT Tyler; however, the student must be tested prior to the accumulation of nine or more semester credit hours

A student may not enroll in any upper-division course, the completion of which would give the student 60 or more semester credit hours or the equivalent, until the student's test results meet or exceed the minimum standards in all test scores. Other assessment procedures may be used in exceptional cases to allow a student to enroll in upper-division courses in cases where student test results do not meet minimum standards. Performance on the Texas Academic Skills Program test may be used as a condition of admission only in accordance with the Texas Higher Education Coordinating Board Rules regarding TASP. The test fee will be paid by the student.

- E. Applicants will not be subject to discrimination on any basis prohibited by law—including but not limited to race, color, age, national origin, religion, sex, veteran status, or disability.

Applicants may demonstrate their preparation for junior-senior level courses by the successful completion of the Texas Academic Skills Program (TASP) tests and by having satisfied at least one of the following:

- A. Having earned an associate degree from a regionally accredited community/junior college;
  - B. Being in the process of fulfilling the requirements of an approved, joint baccalaureate studies program or a partnership program with a community/junior college
  - C. Having completed sufficient curriculum at a regionally accredited college/university to be prepared for junior and senior level courses
- This requirement can be satisfied by completing at least 42 semester credit hours prior to admission to UT Tyler with a minimum grade point average of 2.0 (4.0 basis).

Students seeking special certification courses may be admitted to complete the required certification courses.

Persons who have special ability, experience, or other circumstances to demonstrate readiness for junior-senior level work may petition for admission. Petitions for special



admission to the university must receive approval from the Admissions Committee prior to registration.

## TEXAS ACADEMIC SKILLS PROGRAM

The TASP test is designed to determine whether students possess the basic skills in reading, writing, and mathematics, necessary for university courses. In accordance with *Texas Education Code*, Section 51.306, all students in the following categories who enter public institutions of higher education and have not earned at least three university-credit hours before Fall 1989 must take the TASP test: (1) all full-time and part-time freshmen enrolled in a degree program; and (2) any other student, including transfers from private or out-of-state institutions, prior to the accumulation of nine or more college-level semester credit hours or the equivalent in a Texas public institution of higher education. The law exempts the following categories of students:

those who have earned at least three university-credit hours before Fall 1989.

those who have a composite score on the TAAS, ACT or SAT at or above the level set by the Texas Higher Education Coordinating Board (fall semester 1995):

ACT: Composite score of 26 with a 22 minimum on the mathematics and English test each.

SAT: April, 1995 and thereafter: Recentered scores of 1180 combined with a minimum of 550 on the mathematical and verbal tests each.

Prior to April, 1995: Original scale scores of 1090 combined with a minimum of 530 on the mathematical test and 470 on the verbal test.

TAAS: Minimum scale score of 1780 on the writing test and a Texas Learning Index (TLI) of 86 on the mathematics test and 89 on the reading test.

blind and deaf students until September 1, 1995. On this date blind students must take the TASP test, but only if the test is administered with proper accommodations and deaf students will take the Stanford Achievement Test as nationally normed on the hearing-impaired population by Gallaudet University.

those who enroll on a temporary basis and are also enrolled in a private or independent institution of higher education or an out-of-state institution of higher education or have graduated from an institution of higher education when the appropriate documentation is submitted.

Students with three or more semester credit hours or the equivalent awarded prior to fall semester, 1989, are exempt from the Texas Academic Skills Program regardless of any election pursuant to the "academic fresh start" statute, Section 51.929, *Texas Education Code*. An institution may also exempt a person 55 years of age or over who is not seeking a degree or certificate.

Additional TASP information, including the rules adopted by the Texas Higher Education Coordinating Board, is available in the Office of Admissions and Student Records. Information about special provisions relating to certain disabilities is available in the Office of Counseling and Testing at The University of Texas at Tyler.

## ACADEMIC FRESH START

An applicant for admission who is a Texas resident may seek to enter this institution pursuant to the "academic fresh start" statute, *Texas Education Code*, § 51.929. If the applicant informs the admissions office in writing of the election, the institution, for admissions purposes, will not consider academic course credits or grades earned by the applicant 10 or more years prior to the starting date of the semester in which the applicant seeks to enroll. An applicant who makes the election to apply under this statute may not receive any course credit for courses taken 10 or more years prior to enrollment under academic fresh start.

## IMMUNIZATION REQUIREMENTS

In accordance with State law, the following immunizations are required for all students enrolled in health related courses which will involve direct patient contact in medical or dental care facilities or who come in contact with human biological fluids or tissue.\* Students for whom these immunizations are not required are strongly urged to obtain these immunizations for their own protection.

- **Measles:** proof of two doses of measles vaccine administered on or after the first birthday and at least 30 days apart or proof of immunity.
- **Mumps:** proof of one dose of mumps vaccine administered on or after the first birthday or proof of immunity.
- **Rubella:** proof of one dose administered on or after the first birthday or proof of immunity.
- **Tetanus/diphtheria:** proof of one "booster" dose of tetanus/diphtheria (within 10 years).
- **Hepatitis B virus (HBV):** proof of serologic immunity to HBV or certification of immunization with a complete series of Hepatitis B vaccine. Students will be required to present a letter or other suitable written certification.

\* **Note:** Certain exemptions are allowed from the immunization requirement; students should contact the Office of Student Services for information.

Students enrolled at University of Texas institutions will assume the full cost of the immunizations.

Students may obtain information regarding the consequences of not being current on immunization for certain diseases; the age groups most vulnerable to these vaccine preventable diseases; and local providers of immunization services from the Office of Student Services.

## THE INTERNATIONAL STUDENT SEEKING A DEGREE

In addition to the undergraduate admission requirements stated previously, applicants from countries other than the U.S. are subject to the following:

- A. An official English translation of the transcripts must be included if the academic transcripts are in a foreign language
- B. Results of the Test of English as a Foreign Language (TOEFL) must be submitted before admission will be granted to students from countries whose native language is not English

A minimum score for admission for the undergraduate student is 550. Information concerning the TOEFL may be obtained by writing to TOEFL, P.O. Box 899, Princeton, New Jersey 08540 U.S.A.



- C. An affidavit of support is required indicating the source of funds being made available to the student  
The affidavit of support must indicate the amount of money being provided and the length of time the funds will be made available
- D. Holders of student (F-1) visas must be classified as full-time students  
For international students, the minimum course load is 12 semester credit hours for undergraduates.
- E. The filing deadlines for applications and the required documents to be received in the Office of Admissions are as follows: May 30 for the fall semester, October 30 for the spring semester, and March 30 for the summer terms.
- F. Before registration the Office of Admissions and Student Records must have a current passport.
- G. International students holding non-immigrant visas are required to maintain approved comprehensive health insurance or coverage while enrolled at UT Tyler  
A health insurance fee will be assessed at the time of enrollment. The health insurance fee will be in the amount of the premium approved for the University of Texas System Student Health Insurance Plan for the actual cost of the insurance and may not be paid through an installment plan.
- H. Submit the International Application Fee. A nonrefundable application fee of U.S. \$50.00, payable by cashier's check or money order, is required of all international students applying for admission to The University of Texas at Tyler.

## TRANSFER CREDIT

Credit earned at other accredited colleges or universities may be transferred by students presenting official transcripts describing such credit. Courses are acceptable for transfer at the level at which these courses were classified by the institution granting the credit.

Only courses in which a student has earned a grade equivalent of "C" or better will be acceptable for transfer.

After enrolling at UT Tyler, students who wish to enroll in upper-division courses at another institution for transfer must have the prior approval of their department chairs.

## COLLEGE CREDIT BY EXAMINATION

Credit by examination may be established through testing programs such as the Advanced Placement Program (AP) and the College Level Examination Program (CLEP). Guidelines for credit by CLEP and AP examinations are available from the Office of Admissions and Student Records.

## TRANSFER DISPUTES FOR LOWER-DIVISION COURSES FROM TEXAS INSTITUTIONS

The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:

- A. The receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied
- B. Institutional representatives and the student shall attempt to resolve the transfer of the course credit in accordance with the Texas Higher Education Coordinating Board rules and/or guidelines

- C. 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 receives written notice of denial, the institution that denies the transfer shall notify the Commissioner of Higher Education of the denial and the reason for the denial

The Commissioner or the Commissioner's designee shall make the final determination concerning the dispute of the transfer of course credit and will give written notice of the determination to the student and each institution.

## CORRESPONDENCE CREDIT

A student may not apply more than six semester hours of upper-division correspondence credit toward a degree. Permission to include these hours in a degree plan must be secured from the student's academic advisor.

## GENERAL BACCALAUREATE DEGREE REQUIREMENTS

Each candidate for the baccalaureate degree must fulfill the following requirements:

- A. Complete the Undergraduate Admissions Requirements
- B. Receive an evaluation of transfer credits from the Office of Admissions and Student Records
- C. File a degree plan with an academic department during the first semester at UT Tyler or as soon as possible after a major has been selected
- D. Complete a minimum of 60 semester hours at the upper-division level with a grade point average of at least 2.0 in all work attempted
- E. Complete 24 semester hours of the last 30 semester hours of upper level courses at UT Tyler.
- F. Complete the following general education requirements with a grade equivalent to "C" or better: (See General Education Requirements)
 

1. English composition and/or grammar	6 semester hrs.
2. World or European literature	3 semester hrs.
3. Humanities or foreign language	3 semester hrs.
4. Social sciences or foreign language	3 semester hrs.
5. Fine and performing arts	3 semester hrs.
(NOTE: Must be appreciation or history course in art, theatre, or music. Students majoring in one of the fine or performing arts must satisfy this requirement through a course outside the major.)	
6. United States history	6 semester hrs.
(May include maximum of 3 hrs. of Texas history.)	
7. United States and Texas Government	6 semester hrs.
8. Laboratory science	6-8 semester hrs.
9. Six hours of mathematics or three hours of computer science and three hours of mathematics, college algebra or above	
Total general education requirements	42-44 semester hrs.
- G. Satisfy additional requirements of the academic department of the major as prescribed in the candidate's degree plan
- H. Complete a minimum of 30 semester hours at UT Tyler with a grade point average of at least 2.0 on all work attempted
- I. Fulfill the requirements of the university catalog (See Catalog Graduation Guidelines)
- J. Complete a minimum of 124 semester hrs.
- K. File for graduation according to the guidelines listed in this catalog



## Catalog Graduation Guidelines

In order to graduate, a student must fulfill catalog requirements in effect at matriculation or any subsequent catalog during the enrollment. A catalog over six years old may be used to determine requirements for a degree only if the student has been enrolled continuously in fall and spring semesters.

Students who change majors must meet the specific requirements for the new major as stated in the catalog in effect at the time of the change of major. General education requirements are not affected by a change of major.

A copy of the student's approved degree plan must be on file in the office of the appropriate academic dean no later than the beginning of the semester in which the student intends to graduate.

A degree will not be granted until all requirements have been verified. Incomplete grades listed on the graduation form, required transcripts from other institutions, and other evidence of outstanding requirements must be verified within 30 days following the commencement ceremony. If the requirements have not been verified by this date, the student must refile for graduation subject to the filing for graduation guidelines.

## General Education Requirements

The general education requirements are often completed at the freshman/sophomore level. Students with deficiencies in one or more of the general education requirements may take courses at UT Tyler to satisfy these requirements. These courses must be completed with a grade equivalent to "C" or better.

A list of appropriate UT Tyler courses to satisfy the general education requirements is available in the Office of Admissions and Student Records, in academic deans' offices and with academic advisors.

A course in the appropriate discipline, but not appearing in the approved list, may be used for general education requirements only with the approval of the academic dean. Courses in disciplines other than those specified in the various subsections may be used to satisfy the requirements only with the approval of the Vice President for Academic Affairs on the recommendation of the academic dean.

## JOINT BACCALAUREATE STUDIES (JBS)

Designed to offer students a cost-saving, streamlined baccalaureate degree plan, Joint Baccalaureate Studies agreements have been signed with Kilgore College, Panola College in Carthage, Trinity Valley Community College in Athens, Tyler Junior College, Jacksonville College, Lon Morris College in Jacksonville, Navarro College in Corsicana, and Paris Junior College in Paris.

JBS students enrolled at a community/junior college may be enrolled concurrently in a bachelor's degree program at UT Tyler. Students in the program receive academic advising jointly from the community/junior college and UT Tyler.

This distinctive program provides students the continuity of a four-year degree plan, combining freshman/sophomore courses from community/junior colleges and junior/senior courses from UT Tyler into fully integrated bachelor's degree programs. JBS simplifies the admissions and transfer process and offers academic advising, financial aid and scholarship opportunities throughout the undergraduate experience.

## PARTNERSHIP PROGRAM

The Board of Regents of The University of Texas System and the Board of Trustees of Tyler Junior College approved a Partnership Agreement between The University of Texas at Tyler and Tyler Junior College on August 11, 1994. The Agreement was subsequently approved by the Texas Higher Education Coordinating Board.

The purpose of the agreement, authorized by state law, was to utilize resources of both institutions to maximize higher education access and opportunity for students of the region to participate in a continuous educational experience through which associate, baccalaureate and graduate degrees could be obtained.

## SECOND BACCALAUREATE DEGREE

To earn a second baccalaureate degree, the student must complete the requirements for the second major, satisfy all general education requirements for a second degree and complete a minimum of 30 additional hours of resident credit beyond the hours required for the first degree.

## ACADEMIC HONORS

### Honors Program

The Honors Program offers undergraduates of high academic accomplishment and potential the opportunity to pursue an interdisciplinary study in a seminar setting. The program consists of a series of honors seminars and lectures structured around a specific theme or issue. The seminars are intensive studies having as their foundation readings, discussions, supervised projects, and lectures from university faculty and visiting scholars.

Admission to the Honors Program is gained by student application or faculty nomination. Further information can be found in the School of Liberal Arts section.

### President's Honor Roll

In order to qualify for the President's Honor Roll, a student must have completed, in one semester, 12 or more semester hours of undergraduate credit with a grade of A in all courses.

### Dean's List

At the end of each fall and spring semester, undergraduate students who earned grade point averages of at least 3.75 are named to the Dean's List. At least nine semester credit hours of undergraduate credit must be completed for which grade points are earned. Students named to the President's Honor Roll are not eligible for the Dean's List.

### Graduation with Honors

Candidates for the Baccalaureate degree may graduate with academic honors if they complete a minimum of 45 semester hours of undergraduate credit at UT Tyler. Only semester hours which earn grade point credit may be used to satisfy the 45-semester hour requirement. Honors will be awarded to the following final grade point averages:



<i>Summa Cum Laude</i>	3.90 to 4.00
<i>Magna Cum Laude</i>	3.70 to 3.89
<i>Cum Laude</i>	3.50 to 3.69

This recognition will be noted on the student's transcript and diploma after official verification of final grades.

## PRE-PROFESSIONAL PROGRAMS

### Pre-Law

While there is no specific major required for admission to most law schools, many schools expect students to have a broad liberal arts education. There are several disciplines which offer students the opportunity to gain such a background and help one prepare for the Law School Admissions Test (LSAT).

Students are urged to examine the catalogs of law schools they may wish to attend for specific requirements in consultation with a pre-law advisor. The following is intended merely as a guide:

- Many law schools require one year of accounting
- The LSAT stresses English comprehension. Students should plan to take course work in composition and literature
- Other courses should be selected to complement the intended law career. Students interested in corporate law might select a major or minor in business. Those interested in criminal law could choose criminal justice or sociology. Those with career aspirations in government or politics might select political science or history.
- Pre-professional students should note that many professional schools, e.g. law, count CR/NC entries the same as an F in computing applicants' grade point averages.

Students interested in attending law school should see the pre-law advisor in the Department of Social Sciences during their first semester at UT Tyler.

### Pre-Medicine and Pre-Dentistry

Because medical and dental schools in the United States accept few students without a degree, the two programs commonly followed are (1) a Bachelor of Science with a major in biology and strong supporting work in chemistry and (2) a Bachelor of Science with a major in chemistry and strong supporting work in biology.

Students are urged to examine the catalogs of medical or dental schools they may wish to attend for specific requirements in consultation with faculty advisors in biology or chemistry.

### Pre-Theology

Appropriate undergraduate majors for students who plan to pursue graduate work in theology include English, foreign language, history, psychology, sociology, speech and philosophy. The American Association of Theological Schools recommends course work in the following areas: English, foreign language, history, natural sciences, psychology, philosophy, religion, and social sciences.

Prospective theological students are advised to consult the catalogs of the theology schools they may wish to attend. In addition, they are invited to consult a faculty advisor in the Department of Humanities or the Department of Theatre and Communication concerning suitable pre-theological programs and courses at UT Tyler.

## UNDERGRADUATE ACADEMIC PROBATION

A student has a grade point deficiency when the cumulative grade point average at UT Tyler is less than 2.0 based on six or more semester hours. Students having a cumulative grade -point deficiency are placed on academic probation. For the purposes of determining compliance with the policies of academic probation, the two summer terms are treated as one semester.

Students on academic probation must earn a grade point average of 2.0 or above in subsequent semesters until the cumulative grade point deficiency is removed. Failure to do so results in academic suspension.

A student on academic probation should not register for more than 12 semester hours and must obtain the advisor's approval to register.

A grade point deficiency incurred at UT Tyler must be removed through additional course work at UT Tyler. Grade points earned at other institutions are not used in computing the grade point average and may not be used to remove a deficiency.

Students who leave the university while on academic probation will be retained on probationary status on their return.

## UNDERGRADUATE ACADEMIC SUSPENSION

An undergraduate student on academic probation will be suspended from the university for failure to meet the terms of probation. A student suspended from the university for the first time will remain suspended for the succeeding semester (or two summer terms) and must receive approval for readmission from the appropriate academic dean.

Academic suspensions subsequent to the first suspension will be for at least 12 months and readmission to the university will be granted upon the approval of the university admissions committee. Procedures for submitting a petition for readmission to the university may be obtained from the Office of Admissions and Student Records. The petition must be prior to the beginning of the semester in which the student wishes to enroll.

A student admitted to the university after having been suspended will do so on academic probation.



# STUDENT AFFAIRS

The Division of Student Affairs is designed to enhance and support the academic mission of the institution and to offer each student an opportunity to achieve educational goals while providing a variety of enriching experiences.

## ALUMNI ASSOCIATION

The University of Texas at Tyler Alumni Association supports a variety of programs for former students and friends of the university. The association promotes scholarship support, sponsors special events, reunions, and receptions. All former students and friends of the university may become members of the association upon payment of annual dues. For more information, contact the Coordinator of Alumni Relations.

## STUDENT COUNSELING CENTER

The Student Counseling Center offers career and individual therapeutic counseling in a private, confidential setting to assist students in achieving personal, educational and career goals. A battery of tests—interest, self-concept, preference and personality—may be administered as a part of counseling. A computerized career guidance program is available. Licensed professional counselors provide services to students. Students are encouraged to schedule an appointment in University Center 282 or by calling (903) 566-7079.

UT Tyler is an official testing site for the Educational Testing Service (ETS). The Graduate Record Exam (GRE), Graduate Management Admission Test (GMAT), and Law School Admission Test (LSAT) are administered on campus. Applications and fees are made in advance directly to ETS in Princeton, NJ. In addition, the Miller Analogies Test (MAT) is administered every other month. The fee must be paid in the counseling center in order to make an appointment.

## DISABILITY ACCOMMODATION

Students with disabilities who require special accommodations should contact the Student Counseling Center at least 30 days prior to the beginning of each semester. The counselor responsible for disability accommodation counsels with the individual student to assess specific needs.

The student should provide diagnostic, prognostic, and prescriptive information from an approved professional. Information concerning the disability remains strictly confidential and is not released without the permission of the student.

## CAREER PLACEMENT

The Career Placement Office assists students in securing employment upon graduation from UT Tyler. Students are encouraged to develop a confidential placement file at least one year prior to graduation. The information contained in this file is made available to prospective employers at the student's request. Also, employers are invited to campus to conduct initial interviews with interested students.

A career library is available in the Career Placement Office containing information concerning professional job opportunities and specific careers, as well as information about individual companies, employment, internships, salary surveys, resumé writing, and interviewing techniques. The career library is open for individual student browsing. Students and alumni of UT Tyler are eligible to use the services provided and are encouraged to visit the Career Placement Office, University Center 282.

## LEARNING ASSISTANCE LABORATORY

The Learning Assistance Laboratory (LAL) is located in room 103 of the Robert R. Muntz Library. The purpose of the LAL is to provide students opportunities to upgrade academic proficiencies. Skilled tutors provide assistance in reading, grammar, composition, mathematics, and study skills. Students may request assistance on an individual basis by contacting the personnel in the laboratory, who will grant admission as space is available. The needs of each student are determined, an individualized program is planned, and assessment of progress is provided. For additional information call the LAL (566-7316) or the Student Counseling Center.

## HEALTH SERVICES

An illness and accident insurance program for students and their dependents is available on a voluntary basis. For more information, contact the Office of Student Activities, University Center 111, or call 566-7081.

If an accident or emergency occurring on campus requires first aid or hospital emergency room treatment, a member of the University Police Department is available for assistance. The student will bear the cost of any professional service or emergency treatment. Also, the cost of hospitalization or treatment in the emergency room or as an outpatient is the responsibility of the student.

## AIDS, HIV AND HEPATITIS B INFECTION

The University of Texas at Tyler recognizes Acquired Immune Deficiency Syndrome (AIDS), Human Immunodeficiency Virus (HIV), and Hepatitis B Virus (HBV) as serious public health threats and is committed to encouraging an informed and educated response to issues and questions concerning AIDS, HIV, and HBV. In furtherance of its commitment UT Tyler has adopted a policy and procedural steps to protect both the rights and well-being of those students, employees, and patients who may be infected with HIV or HBV as well as to prevent the spread of infection. No individual with HIV or HBV infection will be discriminated against in employment, admission to academic programs, health benefits, or access to facilities. Students with HIV or HBV infection may attend all classes without restriction, as long as they are physically and mentally able to participate and perform assigned work and pose no health risks to others. All information regarding the medical status of UT Tyler faculty, staff, and students is confidential.

A complete copy of the "AIDS, HIV and Hepatitis B Infection" policy can be found in



the institutional Handbook of Operating Procedures available in the Dean's office of each (school, college and division), the library, the Office of Student Activities, and most UT Tyler departments. This policy is applicable to all students of UT Tyler as they pursue their academic (and clinical) endeavors. A brochure is available to all students on request by phoning UT Tyler at (903) 566-7079.

## HONORS DAY

An honors day is held annually in the spring to recognize extraordinary students. All students and their guests are invited to attend.

## RECREATION/INTRAMURAL SPORTS

The facilities in the Physical and Health Education Building include weightlifting and fitness equipment and locker rooms with showers and saunas. Outdoor facilities include tennis courts, basketball courts, a sand volleyball court and playing fields. The television viewing lounge, located in University Center 102, offers students a state-of-the-art large screen television with closed caption capabilities for viewing.

The intramural sports program provides structured, competitive and non-competitive activities. Offering a variety of tournaments for students, faculty and staff, the program does not require the intensified training and high degree of skill akin to varsity athletics. An individual's playing ability is not considered as important as the desire to enter into the true spirit of competition and good sportsmanship. For more information, contact the Office of Student Activities, University Center 111, or call 566-7081.

## STUDENT HOUSING

University Pines offers students the convenience of living on campus, directly across from the university library. Each unit is designed to assist students in achieving academic objectives. Private bedrooms provide the quiet environment needed to study without interruptions. The community's facilities are available for study groups, seminars and workshops. For further information, contact the Office of Student Affairs, University Center 111, or call 566-7081.

## STUDENT ACTIVITIES

The student activities program at UT Tyler provides students an opportunity for the expression and development of student interests which stimulates students both academically and socially. These activities allow students to acquire skills which enhance their personal maturation through their involvement in planning activities, establishing interpersonal relationships and developing leadership qualities. For further information, contact the Office of Student Activities, University Center 111, or call 566-7081.

## STUDENT ASSOCIATION

The Student Association plans, coordinates, and sponsors activities for all students, including entertainers, dances, lectures, and concerts. The Student Association is composed of all enrolled, fee-paying students. Each spring semester officers and representa-

tives are elected by the student body. Students can be actively involved in the Student Association by volunteering to serve on one of the various committees of the organization. For more information, contact the Student Association office, University Center 114, or call 566-7084.

## STUDENT NEWSPAPER

The official student newspaper, The UT Tyler Patriot, is published twice monthly during the fall and spring semesters. Journalism students produce the newspaper, which is distributed throughout the campus.

## STUDENT RESPONSIBILITIES

All students are subject to all Rules and Regulations of the Board of Regents of The University of Texas System and institutional rules and regulations. Rules regarding students conduct and discipline are included in Part One, Chapter VI of the Rules and Regulations of the Board of Regents and in UT Tyler's Handbook of Operating Procedures.

### Hazing

Hazing in state educational institutions is prohibited by both state law (Sections 4.51 et seq, Texas Education Code) and by the Regent's Rules and Regulations (Part One, Chapter VI, Section 3.28). The term "hazing" is broadly defined by statute to mean any intentional, knowing, or reckless act, occurring on or off the campus of an educational institution, that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization whose members are or include students at an educational institution. Hazing with or without the consent of the student is prohibited and violations may render both the person inflicting the hazing and the person submitting to the hazing subject to criminal prosecution and student disciplinary action by the institution.

## Grievance Procedures

### Academic Grievances

Academic related grievances, such as disputes regarding grades, must be initiated by contacting the instructor who assigned the grade within sixty days. If the student is not satisfied with the decision, the student may appeal in writing to the appropriate Chairperson of the department from which the grade was issued. Grievances may then be appealed to the Academic Dean, the Vice President and finally the President.

### Discrimination Complaints

Complaints regarding discrimination should be initiated in accordance with the applicable policy. (For example, the sexual harassment policy, race discrimination policy, and disability policy.) Questions regarding applicable policies should be addressed to the Special Assistant to the President.

### Non-Academic Grievances

Non-academic grievances related to matters other than discrimination should be initiated by discussing the matter with the individual against whom the complaint is lodged. If the matter is not resolved, it should be submitted in writing to the appropriate Chair or Depart-



ment Head. Grievances may then be appealed to the Academic Dean, the appropriate Vice President and finally to the President.

### **Student Right-to-know and Campus Security Act**

In compliance with the Student Right-to-Know and Campus Security Act (the Act) enacted on November 8, 1990, UT Tyler collects specified information on campus crime statistics, campus security policies, and institutional completion or graduation rates.

Pursuant to the federal law, alleged victims of violent crime are entitled to know the results of campus student disciplinary proceedings concerning the alleged perpetrators. Effective September 1, 1991, UT Tyler will make timely reports to the campus community on crimes considered to be a threat to students and employees and reported to the campus police or local police agencies.

Effective September 1, 1992, UT Tyler will publish and distribute an annual report of campus security policies and crime statistics to all current students and employees; provide copies of the report to applicants for enrollment or employment upon request; and submit a copy of the report to the Secretary of Education upon request. The annual campus crime statistics report will reference crimes which occur on property owned or controlled by UT Tyler.

Effective July 1, 1993, UT Tyler will calculate and disclose institutional completion or graduation rates to all prospective and current students annually.

Effective September 1, 1993, UT Tyler will publish in the annual security report, its policy regarding sex-related offenses, including sexual assault prevention programs, education programs to promote awareness of sex offenses, administrative disciplinary procedures and sanctions for offenders, and counseling and student services for victims.

Prior to the offer of athletics-related student aid to a potential student athlete, UT Tyler will provide information on graduation rates specified by the Act to the prospective student and to the student's parents and coach.

## **STUDENT ORGANIZATIONS**

UT Tyler provides the opportunity for students to establish clubs and organizations. Each organization is guided by a faculty advisor and subject to university rules and regulations. Students interested in organizing new student groups should contact the Office of Student Activities, University Center 111, or call 566-7081.

### **Accounting Club**

The Accounting Club encourages academic achievement in accounting and provides closer contact with the business environment. Membership is open to all accounting majors. Contact the Department of Accounting for more specific information.

### **Alpha Chi**

A chapter of the Alpha Chi National Honor Scholarship Society recognizes and encourages excellence in all fields of study. To be eligible for membership, the student must be currently enrolled at UT Tyler, have completed at least 24 semester credit hours in residence, and have a grade point average ranking in the top 10 percent of the respective academic school.

### **Alpha Phi Sigma**

The purpose of Alpha Phi Sigma is to recognize and promote high scholarship among criminal justice students actively engaged in collegiate preparation for professional ser-

vices; to keep abreast of the advances in scientific research; to elevate the ethical standards of the criminal justice professions; and to establish in the mind of the public the benefit and necessity of education and professional training. Contact the Department of Criminal Justice for more information.

### **Alpha Psi Omega**

The National Honorary Theatrical Fraternity grants membership in recognition of service to the theatre department on campus and theatrical endeavors in the community. Attainment of membership encourages involvement and serious dedication.

### **American Marketing Association**

The AMA provides UT Tyler students an international affiliation with a professionally recognized organization. The AMA chapter gives students many benefits needed in their future as professionals in the field of marketing. Contact the School of Business Administration for more information.

### **Association of Students with Disabilities**

The Association of Students with Disabilities helps meet the needs of the disabled student and provides closer contact between all students at the university. Membership is open to all interested students, faculty, and staff.

### **Association of Psychology Students**

The Association of Psychology Students enhances the science of psychology and encourages, stimulates, and maintains scholarship of the members in all fields. Interested students should contact the Department of Psychology.

### **Association of Public Administration**

This organization facilitates exchange of knowledge for persons interested in public administration and related fields; encourages the collection, compilation and dissemination of information on matters relating to public administration; encourages the improvement of public service; and advances the science, process and art of public administration. Interested students should contact the Department of Social Sciences.

### **Baptist Student Union**

The Baptist Student Union offers Christian fellowship to students and promotes Bible study and discipleship. Membership is open to all interested students.

### **Beta Beta Beta**

The Kappa Xi chapter of Beta Beta Beta is for students interested in the biological sciences and emphasizes a three-fold program: stimulation of scholarship, dissemination of scientific knowledge, and promotion of biological research. For membership requirements and other information, contact the Department of Biology.

### **Business Students Organization**

The Business Students Organization brings business students in closer contact with the business environment and promotes a further understanding of the free enterprise system in which business organizations operate. Interested students should contact the School of Business Administration.

### **Campus Bible Study Fellowship**

The Campus Bible Study Fellowship brings together students of all religious backgrounds to study the Bible.



**Catholic Student Organization**

The Catholic Student Organization provides opportunities for fellowship, continues religious education, deepens spiritual growth, and fosters a sense of service to the wider community among those students, staff, or faculty members who wish to avail themselves of the Roman Catholic tradition of Christianity.

**Chi Alpha**

Chi Alpha, an Assemblies of God student organization, emphasizes the development of the whole person through participation in a community of worship, fellowship, discipleship, and witness.

**Chinese Student Association**

The purpose of the Chinese Student Association is to serve as a support organization for Chinese students enrolled at UT Tyler and to promote a greater understanding of the Chinese culture by other nationalities. For more information, contact the Office of Student Activities.

**Criminal Justice Students Association**

The Criminal Justice Club strives to prepare individuals for careers in challenging positions with responsibility and leadership within the legal or criminal justice system at the local, state, or federal level. Contact the Department of Social Sciences for more information.

**Cycling Club**

Open to all students at UT Tyler, this sports club promotes cycling for recreation and training. Eligible racers also compete in the South Central Collegiate Cycling Conference.

**Data Processing Management Association**

This association fosters a better understanding of the vital relationship of information processing to management and society. The DPMA student chapter provides students with opportunities to exchange information with members of the processing community and to explore career opportunities. For more information, contact the School of Business Administration.

**English Club**

The English Club was formed to foster academic communication and personal camaraderie among undergraduate and graduate students in English. Interested students should contact the Department of Humanities for more information.

**Epsilon Delta Pi**

This organization recognizes and encourages academic achievement in the fields of computer science and data processing. To be eligible for membership, the student must have a minimum grade point average of 3.0 on all course work and a grade point average of 3.25 on all computer science course work.

**Financial Management Association**

The purpose of this organization is to assist in the professional, educational, and social development of college students interested in finance, banking, and investments; to provide an association for college students actively interested in these fields; and to encourage interaction between business executives, faculty, and students of business and finance. Contact the School of Business Administration for more information.

**Highest Praise Gospel Choir**

The purpose of the Highest Praise Gospel Choir is to promote the study of predominantly black Christian music. Students will explore the history of this music through the singing of Negro spirituals, gospel music, and contemporary Christian music.

**Kappa Delta Pi**

Kappa Delta Pi is an international honor society in education. Its purpose is to recognize outstanding achievement and to promote scholarship and communication among educators. Membership includes students, faculty, and area educators.

**Math Club**

The Math Club is a professional organization offering students an opportunity to learn about mathematics as a career and enabling them to demonstrate serious interests in mathematics by becoming involved in activities. The Math Club offers an opportunity for students to explore future endeavors in the field of mathematics and to focus on studies dealing with fields outside the formal curriculum of mathematics.

**Multicultural Student Union**

The Multicultural Student Union promotes and enhances ethnic awareness, cultural appreciation, and social cooperation among the various national and international ethnic and cultural groups. The membership is open to interested students.

**Music Ensemble Student Society**

The Music Ensemble Student Society provides opportunity for a playing and performing experience to students interested in instrumental music. Interested students should contact the chairman of the Department of Music for more information.

**Music Students Association**

The Music Students Association furthers the professional development of music students, provides support for musical programs and gives recognition to the special accomplishments of students and faculty in the Department of Music. Interested students should contact the chairman of the Department of Music.

**National Prayer Society**

The National Prayer Society provides students opportunities for prayer and fellowship. For more information, contact the Office of Student Activities.

**Nature and Environmental Club**

The purpose of the Nature and Environmental Club is to promote awareness of environmental issues, the existing threats to the eco-environment, and the opportunities for recycling and conservation. Interested students should contact the Department of Social Sciences.

**Nursing Students Association**

The Nursing Student Association fosters high professional standards, strengthens commitment to the ideals and purposes of the profession, and encourages the development of leadership qualities. Interested students should contact the Division of Nursing.

**Phi Alpha Theta**

Phi Alpha Theta, an international honor society in history, promotes the study of history by the encouragement of research, good teaching, publication, and the exchange of learning and thought among historians. Membership is open to faculty, graduate students



with a field of concentration in history, undergraduate history majors and minors, and education majors with a history teaching field. For specific membership requirements, contact the Department of Humanities.

#### **Phi Theta Kappa Alumni Association**

The Phi Theta Kappa Alumni Association is composed of students who were inducted into the Junior College National Honor Society while attending a junior college. PTK depends upon its members, present and future, to increase and maintain a legacy of achievement, fellowship, service, and honor.

#### **Physical Education and Health Education Undergraduate Nonsense (PHUN)**

The Physical Education and Health Education Undergraduate Nonsense (PHUN) club promotes and facilitates all aspects of health and physical education with the university community as well as the local, regional and state communities. To be eligible for membership, a student must be majoring in or pursuing certification in health or physical education.

#### **Pi Sigma Alpha**

Pi Sigma Alpha is a local chapter affiliated with a national political science honorary association which recognizes superior scholastic achievement, promotes activities related to public affairs, and enhances student interest in political science.

#### **Pre-Law Club**

This organization promotes knowledge of the legal process and the requirements for entrance into the legal profession and acts as a liaison between students and members of the legal community. Interested students should contact the pre-law advisor for more information.

#### **Pre-Medical/Pre-Dental Student Association**

The purpose of the Pre-Medical/Pre-Dental Student Association is to inform pre-medical/pre-dental students of the future of the health profession and to provide experiences and communications to familiarize students in this field of study with a professional environment for preparation into medical and dental schools. Interested students should contact the School of Sciences and Mathematics.

#### **Press Club**

The Press Club furthers interest and understanding in the field of journalism and promotes better communication. Interested students should contact the sponsor of the student newspaper.

#### **Psi Chi National Honor Society**

This organization encourages excellence in scholarship of the individual members in psychology and advances the science of psychology.

#### **Quin Quatrus Art Club**

Quin Quatrus furthers the artistic development of art students, provides support to the art program and special events of art at UT Tyler, and gives recognition to special accomplishments of students and faculty members of the Department of Art. Interested students should contact the chairman of the Department of Art.

#### **Sigma Delta Pi**

Sigma Delta Pi, a national society in Spanish, honors those who seek and attain excellence in the study of the Spanish language and in the study of the literature and the culture of the Spanish-speaking peoples.

#### **Sigma Tau Delta**

Epsilon Omega chapter of Sigma Tau Delta, the international honor society for languages and literature, seeks excellence in written expression, encourages worthwhile reading, and increases fellowship and scholarship among men and women professionally engaged in the study of teaching of the English language and literature, especially English. The local group meets jointly with the English Club.

#### **Sigma Tau Epsilon**

Sigma Tau Epsilon, a national professional technology organization, promotes professional relations within the Department of Technology. Membership is open to majors in technology.

#### **Sigma Theta Tau**

The organization recognizes baccalaureate degree nurses with outstanding leadership and academic records in the local nursing community and promotes leadership/scholarship and research. Contact the Division of Nursing for more information.

#### **Ski Club**

The ski club provides opportunities for those interested in snow skiing to meet with others who share that interest. Contact the Student Activities Office for more information.

#### **Speech and Forensics Club**

The Speech and Forensics Club provides speech-related extracurricular activities intended to enhance the student's university life. Membership is open to all students attending the university.

#### **Student Affiliate Chapter of the American Chemical Society**

The Student Affiliate Chapter of the American Chemical Society affords an opportunity for students of chemistry and related disciplines to become better acquainted and to obtain experiences in preparing and presenting technical material before audiences. The chapter fosters an awareness of the responsibilities and challenges of the modern chemist. Interested students should contact the Department of Chemistry.

#### **Student Chapter of the Association for Computing Machinery**

This organization brings students in closer contact with the data processing environment and promotes a further understanding of the science and arts of information processing. Membership is open to all computer science majors and minors. Interested students should contact the Department of Mathematics and Computer Science.

#### **Student Chapter of the Council for Exceptional Children**

The Student Chapter of the Council for Exceptional Children was established for individuals interested in education of exceptional learners. Members are eligible for benefits provided by the National Council for Exceptional Children.



**Student Council of the International Reading Association**

This organization keeps abreast of new developments in the area of reading, shares ideas and information by meeting with students and professionals, and sponsors reading conferences for students and for area teachers.

**Student Foundation**

The Student Foundation is an organization comprised of student leaders committed to the betterment of UT Tyler. The Student Foundation continually strives to improve and expand upon its service to the university and surrounding community to build a better foundation for tomorrow.

**Students in Free Enterprise**

Students in Free Enterprise seek to improve the performance of the American economy by establishing and directing student-generated market educational programs at colleges and universities to bring America's collegians and her citizens to a better understanding of correct economic issues and a greater appreciation for the free enterprise system.

**Texas Student Education Association**

This chapter of the Texas Student Education Association attempts to provide students with an understanding of the profession of teaching and to establish a professional relationship for their teaching careers. All students pursuing a teaching certificate are eligible for membership.

**University Democrats**

Chartered with the state and national Young Democrats, members promote the party on campus and in the community. Interested students should contact the Department of Social Sciences.

**University Players**

The University Players exists as a group to further the understanding and enjoyment of theater on this campus and to aid in the presentation of on-campus performances. Contact the Department of Theatre and Communication for more information.

**University Republicans**

Affiliated with the national organization, the University Republicans promote the ideals of the party. The group serves as a means of promoting student involvement in the political process and student awareness of our system of government. Interested students should contact the Department of Social Sciences.

**Webb Historical Society**

The UT Tyler chapter of the Webb Historical Society of Texas is an organization of university students and faculty committed to fostering historical awareness in the immediate locale of the university. This chapter provides interested students with a forum for the exchange of ideas. Membership is open to all interested students.

**TEXTBOOKS AND SUPPLIES**

It is a responsibility of each student to provide his/her own textbooks and supplies. The University Bookstore, located in the University Center, is the primary source of these materials as well as other merchandise related to the academic community.

Refunds: When a student finds it necessary to return a book to the University Bookstore

for refund, the cash register receipt for the original purchase must be presented.

Textbook Buybacks: As a service to students, the bookstore will purchase selected, used current edition textbooks provided they are in good condition. Prices for individual textbooks are based on present stock level, projected utilization and/or used textbook catalogs maintained by the bookstore. Student identification cards are required when selling books or purchasing by check in the University Bookstore. Personal checks may be cashed in the University Bookstore (limit \$15 per day per student).

**VETERANS AFFAIRS**

A resource center for veterans' services is provided through the Office of Admissions and Student Records. The center offers counseling regarding V.A. regulations as they pertain to the university, assistance in the preparation of certification forms necessary to secure the financial educational benefits available to the veteran, and a variety of resources for the veteran's benefit.



# FINANCIAL ASSISTANCE

The university offers financial assistance to students on the basis of need and merit. Financial assistance consists of grants, employment, loans, and scholarships. Students may receive one or more awards and must apply each year for all forms of assistance.

## FINANCIAL AID

The primary purpose of the financial aid program is to assist students who would otherwise be unable to attend college. An applicant's need for financial aid is analyzed on an individual basis and need is determined by subtracting the student's and/or family's estimated contribution from the estimated educational costs. Applications for financial aid are accepted and considered without discrimination on any basis prohibited by law, including, but not limited to, race, color, age, national origin, sex, veteran status, religion, or disability.

## APPLYING FOR FINANCIAL AID

The Student Financial Aid Office provides applicants with appropriate application forms and instructions. The student is responsible for proper completion and submission of all required documents. Students applying for most Federal and State financial aid programs must establish or demonstrate financial need.

Applicants for these programs must complete the following application:

Free application for Federal Student Aid (FAFSA)

Filing deadlines for financial applications, including those for priority consideration, are as follows:

### Priority Deadline

summer sessions (12 weeks only)	March 1
fall semester	July 1
spring semester (new students)	November 1

Student participation is contingent upon continued funding for that program, maintaining satisfactory academic progress and meeting all federal and state guidelines.

## ASSISTANCE PROGRAMS

Students will find a wide range of federal, state, and local financial assistance programs available at UT Tyler.

### Federal Programs

- Pell Grants
- Supplemental Educational Opportunity Grants (SEOG)
- College Work Study Program (CWSP)
- Perkins Loan Program (NDSL)
- William D. Ford Federal Direct Loan Programs

### State Programs

- Hinson-Hazlewood College Student Loan Program
- Texas Public Educational Grants (TPEG)
- State Student Incentive Grants (SSIG)
- State Scholarship For Ethnic Recruitment (SSEER)
- Texas Commission for the Deaf
- Texas Rehabilitation Commission
- Hazlewood Tuition Exemption Act
- Texas Commission for the Blind
- Texas Public Education Emergency Short-Term Loan

### Institutional Short-Term Loan Program

Short-term loans for tuition and fees are available for students in the event of an unexpected short-term requirement of funds for educational purposes.



# SCHOLARSHIPS

The scholarship program at The University of Texas at Tyler is designed to attract outstanding scholars based upon academic achievement, leadership qualities, and financial need. Scholarship applications, procedures, and information are available in the Office of Admissions and Student Records. Also, application forms may be obtained in the office of each academic dean, the Office of Financial Aid and the Office of Student Services in the University Center. These scholarships are made available through business firms, civic organizations, professional groups and friends of the university.

## MAJOR ENDOWMENTS

### Sam A. Lindsey Endowment Fund

Louise Lindsey Merrick Estate

### Scroggin Scholarship Fund

Mattie Alice Scroggin Baker Estate

### Mastin Gentry White Scholarship Fund

Judge Mastin White Estate

### Marjorie Perry White Scholarship Fund

Judge Mastin White Estate

## ENDOWED PRESIDENTIAL SCHOLARSHIPS

### K. A. Anderson Memorial (1995)

Mrs. Lois Anderson

### B. G. Byars Foundation

Mr. and Mrs. R. L. Summers

### Mr. and Mrs. Charles L. Childers

The University of Texas at Tyler Development Board and Friends

### Richard T. Cowan

Mr. and Mrs. R. Don Cowan

### Evans and Louise Estabrook

Mrs. Louise Estabrook

### Maytee and Ben R. Fisch (1995)

Dr. and Mrs. Ben R. Fisch

### Hilda Jarett Genecov

Mrs. Hilda Jarett Genecov

### Mr. and Mrs. John D. Glass, Jr.

Mr. and Mrs. John D. Glass, Jr.

### Sam R. Greer

Mrs. Laura Greer Ruggles-Gates

### Elizabeth S. Gugenheim Memorial

Mr. Phil Hurwitz. Executor of the Estate of Elizabeth S. Gugenheim

### M.J. Harvey, Sr.

Tyler Corporation and Tyler Pipe Industries, Inc.

### Mr. and Mrs. Bob L. Herd

Mr. and Mrs. Bob L. Herd

### Jeanne and Phil Hurwitz

Mr. and Mrs. Phil Hurwitz

### H. J. McKenzie

Miss Nancy E. Lake

### Lloyd and Seville Nunn\*

Mrs. Seville Nunn

### Harry S. and Bettye C. Phillips

Mrs. Bettye C. Phillips

Mr. Harry S. Phillips

### James Robert and Rosalis Montgomery

Rosalis Montgomery

### Joyce and Bill Pirtle

Dr. and Mrs. William Pirtle

### J. W. and Josephine Rumbelow

Valencia Rumbelow Ray

### George W. Pirtle

Mr. George W. Pirtle

### Betty Jo and Dub Riter

Mr. and Mrs. A. W. Riter, Jr.

### George S. Rogers

Mr. and Mrs. Joseph Z. Ornelas

Mr. Robert M. Rogers

### Isadore Roosth

Mr. Isadore Roosth

### Smith County Medical Society Alliance Nursing Scholarship

Smith County Medical Society Alliance

### Nan Shertzer (1995)

Mr. Ronald Spradlin III

### Mary John and Ralph Spence

Mr. and Mrs. Ralph Spence

### R. L. Summers

Mr. and Mrs. Richard L. Summers

### Zoe and Eugene Talbert

Mr. and Mrs. Eugene Talbert

### Jeretta Kennedy Tomblin Memorial

Ken and Micah Tomblin

Mrs. Billie Kennedy

Ms. Debbie Kennedy

### Dr. Tom G. Turns Memorial

Family, Friends and Students

### Dr. Edgar H. Vaughn and Mrs. Lillye Mae Vaughn

Vaughn Foundation (Dr. and Mrs. Jim M. Vaughn)

### Brady H. White

Mr. and Mrs. John E. White, Jr.

### Jack and Dorothy Fay White (1985)

Mr. and Mrs. John E. White, Jr.

### Jack and Dorothy Fay White (1986)

Mr. and Mrs. John E. White, Jr.

### Jack and Dorothy Fay White (1987)

Mr. and Mrs. John E. White, Jr.



- Jack and Dorothy Fay White (1989)**  
Mr. and Mrs. John E. White, Jr.
- Jack and Dorothy Fay White (1991)**  
Mr. and Mrs. John E. White, Jr.
- Jack and Dorothy Fay White (1995)**  
Mr. and Mrs. Jack White
- Mrs. Royce E. (Petey) Wisenbaker**  
Mr. and Mrs. Royce E. Wisenbaker
- Joseph Zeppa (1995)**  
Joseph Zeppa Scholarship Foundation

## DISTINGUISHED ACADEMIC SCHOLARS PROGRAMS

- Greer Garson Fogelson Scholars**  
Ms. Greer Garson Fogelson
- Frank W. Mayborn Scholars**  
Frank W. Mayborn Foundation (Mrs. Frank W. Mayborn)
- Rogers Scholars**  
Mr. and Mrs. Joseph Z. Ornelas  
Mr. Robert M. Rogers
- Patriots Scholarship**  
The University of Texas at Tyler Patriots
- Presidential Scholars**  
The University of Texas at Tyler Alumni Association
- President's Associates**  
The University of Texas at Tyler President's Associates

## DISTINGUISHED ACADEMIC SCHOLARSHIPS/ LEADERSHIP SCHOLARSHIPS

- Anderson Endowment**  
Norma Anderson Carpenter
- J.S. Hudnall Scholarship**  
J.S. Hudnall
- H.J. McKenzie (Mr. Mac) Scholarship**  
Mr. & Mrs. Ralph Spence
- George W. Pirtle Scholarship**  
George W. Pirtle
- Rev. Lewis L. and Ruth A. Shoptaw Memorial Scholarship**  
Family and Friends
- Stella Crews and Erwin Douglas Dyer**  
Dr. and Mrs. Thomas Eckert
- Dr. James H. Stewart, Jr. Scholarship**  
Mr. & Mrs. Ralph Spence
- Virginia Smith Wilks Nursing Scholarship**  
Virginia Smith Wilks
- William A. and Evelyn J. Krueger**  
William A. and Evelyn J. Krueger
- Harry Loyd and Jean Wilkinson Academic Scholarship**  
Jean and Lee Wilkinson

- Ruby Stubblefield Scholarship Scholarship Endowment**  
Ruby Stubblefield Estate

## ENDOWED ACADEMIC SCHOLARSHIPS

- Kellie Copeland Memorial (1995)**  
Mr. and Mrs. Donald Copeland
- Alton and Abbie Lee Pratt (1995)**  
Priscilla Zeppa  
Vaughn Foundation
- Ruby Evelyn Sharpe Memorial (1995)**  
Drs. Donald and Mary Fischer

## ACADEMIC SCHOLARSHIPS

- Adult Fitness Scholarship Fund**
- Athletic Trainers Scholarships**
- American Association of University Women Graduate Scholarship**  
Tyler Branch of the American Association of University Women
- Community College Transfer Scholarships**  
The University of Texas at Tyler Foundation
- Daughters of the American Revolution**  
Smith County Chapter
- Doris Riemen Nursing Scholarship**
- East Texas Contract Bridge Association**
- Fine Arts Scholarship**  
Friends of the Arts
- Free Enterprise Scholarship in Business**
- Health Careers Scholarships**  
Women's Auxiliary to Smith County Medical Society
- Vivian A. Hicks Education Scholarship Fund**
- H. Milton Jones Accounting Excellence Award Scholarship**
- Honor Graduates from Community Colleges**
- Kappa Delta Pi Rho Rho Scholarship**
- Phil Stacy Jackson History Scholarship Award**
- Kelly Springfield Scholarship Fund**
- Dr. Earl C. Kinzie Nursing Scholarship**
- A. C. Locke Scholarship Fund**
- Mental Health Association Scholarship in Psychology**  
Tyler Mental Health Association
- National Merit Finalist, Valedictorian, Salutatorian**
- Harris Oswalt Scholarship Fund**
- Performing Arts Scholarship in Art**  
The University of Texas at Tyler Foundation
- Performing Arts Scholarship in Music**  
The University of Texas at Tyler Foundation
- Phi Theta Kappa National Honor Society Scholarship**
- Roddy Scholarship in Biology**  
A memorial to T.C. Roddy, Sr. and Dr. W. Carl Roddy and in honor of Verna and T.C. Roddy, Jr., by Mr. and Mrs. T.C. Roddy, Jr. and family.



## SCHOLARSHIPS

### **Edwin Morgan Smyrl and Frank H. Smyrl Endowed History Scholarship**

A memorial to Edwin Morgan Smyrl and Frank H. Smyrl by family and friends

### **Smith County Association of Retired Citizens Scholarship**

### **Speech Communication Scholarship to honor Dr. Judy B. Freeman**

Mr. and Mrs. H.L. Long

### **Jeanie Spencer Scholarship Fund**

### **Teachers in Excellence for Public School/Community College Faculty**

### **Traffic Club Scholarship**

Traffic Club of East Texas

### **Fred Warren Memorial Scholarship**

### **Watson W. Wise Incentive Award**

Watson W. Wise

# LEARNING RESOURCES

Charles B. Harrell, director of the library

## LIBRARY

The Robert R. Muntz Library collection supports the academic programs of the university in its role as an upper-division state university. In subject fields approved for degrees, the library strives for excellence and broad coverage, but acquires standard works in all disciplines. The library has over 110,000 microform volumes, almost 190,000 hardbound volumes, and 1,300 periodical subscriptions.

Library materials are classified by the Library of Congress Classification system and are housed in an open-stack arrangement enabling the user to browse freely and select the desired materials from the shelf.

Through interlibrary loan, accessed through the computer-based network, many of the academic library collections in the United States and Canada may be obtained. One of the newest services offered is the preparation of computer-aided bibliographies from commercial data banks. The user pays the line charges as determined by each data bank. The regular circulation period is three weeks. A borrower must present his identification card when charging any material outside the library. The regular student ID is validated for use as a library card with the addition of barcoding at the time of registration. Other regulations pertaining to library use are available in a library memorandum to the faculty, in the student handbook, and at the library circulation desk.

The Robert R. Muntz Library is a user-oriented facility. Student and faculty use is the first consideration in selection and storage of materials, in the rules for circulation, in the choice and number of the open hours of the library, and in the provision of reference help. The library maintains typing rooms, electric typewriters, graduate student locker carrels, three group study rooms, and individually keyed storage drawers. Special applications are required for assignment of either a locked drawer or a study carrel.

The ultimate goal of all library functions is to meet the need of the individual while preserving equal access for all library users.

### LIBRARY HOURS

Monday-Tuesday-Wednesday-Thursday	7:30 a.m. - 10:00 p.m.
Friday	7:30 a.m. - 5:00 p.m.
Saturday	10:00 a.m. - 4:00 p.m.
Sunday	1:00 p.m. - 7:00 p.m.

\*Fall, spring and summer hours will be the same. Extended hours for the weekends preceding fall and spring final examinations will be posted.



## MEDIA DEPARTMENT

The Media Department is committed to providing the logistical, technical, and professional support for faculty, staff, and students in the use of media for achieving instructional and institutional goals. Media personnel are involved in planning, designing, and producing audio and visual materials pertinent to instructional challenges. Materials design and production services are offered in four major areas: graphics, photography, audio, and television. A nominal fee is charged to the individual or department for production work based on the cost of materials consumed. Due to the Revised Copyright Law, the Media Department reserves the right not to duplicate certain material.

Distribution of audiovisual equipment for on-campus presentations is also provided at no charge. Because of the frequency of equipment use, a reservation is required at least two days in advance.

The Media Department maintains a library of over 9,000 audio-visual software items that can be helpful in supplementing classroom teaching. Audio tapes, slides, filmstrips, phonograph records, movies, and video cassettes can be used in the Media Laboratory by students and faculty, or checked out by faculty for classroom use.

Also, as a convenience to faculty, Media staff will order audiovisual software for preview, purchase, or rental. A variety of commercially prepared audio-visual catalogs are available for faculty use in the Acquisition Department on the first floor of the library.

# SCHOOL OF BUSINESS ADMINISTRATION

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Jim L. Tarter, dean

The School of Business Administration is composed of two departments which offer specialization in the field of business administration.

**Leonard G. Weld, chair, Department of Accounting and Finance;**  
**Mark Kroll, chair, Department of Management, Marketing and General Business**

## STATEMENT OF MISSION AND PURPOSE

The primary mission of the School of Business Administration is to support that of The University of Texas at Tyler by providing high quality instruction to students from primarily in the East Texas region. This emphasis on teaching will enable students to have a quality educational experience and will contribute to the development of successful careers in business and related fields. The mission encompasses the following:

- A. Educating students by emphasizing ethical values, conceptual knowledge, analytical, technical, and managerial skills; and leadership abilities needed in both domestic and international organizations.
- B. Offering graduate programs students who seek to complete graduate studies in business.
- C. Cooperating with all junior / community colleges in the area to meet the educational needs of transfer students.
- D. Engaging in intellectual contributions primarily through applied research and instructional development with a secondary emphasis on basic research.
- E. Fostering an attitude of responsibility and service to the university, to the professions, and to the community.

## OBJECTIVES

The School of Business Administration prepares students for positions as executives and specialists in business. Such an education provides an opportunity to: (1) understand contemporary business culture, (2) appreciate the historical evolution of business, and develop an awareness of the social and economic influences, (3) encourage social responsibility, (4) understand major functional areas of business, their relationships, and develop some degree of specialization and application and, (5) prepare for graduate study.

The student is encouraged to establish a firm base of liberal education, develop an analytical capability, investigate major functional areas of business, and recognize that the role of leadership in the modern business system is vitally important for community progress.



## ADMISSION

The School of Business Administration will consider applicants for admission from those who have successfully completed requirements for entrance into junior-level course work at an accredited college or university.

In order to be granted entrance into a baccalaureate degree program in the School of Business Administration, applicants must meet the following requirements:

- A. Be officially admitted to the university
- B. Meet admission requirements of the School of Business Administration as shown in "C" below
- C. Provide transcripts to show successful completion of the following prerequisites with a minimum grade of "C" in each course:
 

1. Accounting Principles	3 semester hrs.
Financial Accounting	3 semester hrs.
Managerial Accounting	3 semester hrs.
2. Computer Applications*	3 semester hrs.
3. Economic Principles	
Microeconomics	3 semester hrs.
Macroeconomics	3 semester hrs.
4. Math (Finite)**	6 semester hrs.
5. Speech (equivalent to UT Tyler's SPCH 3321)	3 semester hrs.
- D. File a degree plan in the School of Business Administration with an advisor by the end of the first semester after being admitted to the School of Business Administration

\*Computer applications adapted to the solution of business problems (equivalent to UT Tyler's COSC 3309).

\*\*Content to include exponents and radicals, linear systems, matrices, and linear algebra, exponential functions, logarithmic functions, probability, differential and integral calculus.

## TRANSFER OF CREDIT

Only grades "C" and above may apply towards degree requirements.

## BACHELOR OF BUSINESS ADMINISTRATION

The School of Business Administration offers a Bachelor of Business Administration (BBA) degree with majors in accounting, finance, general business, management, and marketing. Degree requirements:

- A. General baccalaureate degree requirements
- B. A minimum of 124 semester hours of credit for the degree of Bachelor of Business Administration, at least 63 semester hours of which must be upper-division. Normally 50 percent of the 124 semester hours must be non-business courses; up to six hours of lower-level economics may be counted as either business or non-business courses. At least 50% of the business courses must be taken at UT Tyler. All prerequisite requirements should be completed before beginning studies at UT Tyler. In no event may a student register for the graduation semester until the completion of all prerequisites.
- C. A minimum grade point average of 2.0 in all upper-division work undertaken and a minimum grade of "C" in each course in the major
- D. A common business core of 33 hrs.

The core courses are as follows:

ACCT (see Major requirements Item E.)

ECON (see Major requirements Item E.)

FINA 3311 Financial Management

GENB 3301 Business Law and Social Responsibility

MANA 3330 Management Information Systems/Accounting majors take ACCT 4391

- Accounting Information Systems

GENB 3353 Statistics

GENB 3370 Information and Communication Techniques

MANA 4395 Managerial Strategy & Policy\*

MANA 3311 Organization Theory and Behavior

MANA 4305 Production and Operations Management

MARK 3311 Principles of Marketing \*To be taken during a student's senior year.

- E. Eighteen upper-division hours in the major At least three courses in the major must be completed at UT Tyler

### Major in Accounting

Accounting core - ACCT 3311

Economics core - ECON 3311 or ECON 3314 or ECON 3317

The 18 hours must include ACCT 3312, ACCT 3315, ACCT 3325, ACCT 4380, plus ACCT electives selected with the consent of an accounting advisor. See note below:

### Major in Finance

Accounting core - Any upper-division accounting course

Economics core - ECON 3311

18 hours of finance courses

### Major in General Business

Accounting core - ACCT 3301 or ACCT 3311 or ACCT 3315

Economics core - ECON 3311 or ECON 3314 or ECON 3317

The following must be included in the 18 hours:

MANA 3320, MANA 4335, MARK 3350

(Select two courses)

6 hrs.

ACCT 3315, FINA 4340, MARK 4380, MANA 4315

(Select two courses)

6 hrs.

ECON 4320, FINA 4390, GENB 4310, MARK 4390

(Select two courses)

6 hrs.

### Major in Management

Accounting core - ACCT 3301 or ACCT 3311 or ACCT 3315

Economics core - ECON 3314 or ECON 3317 or ECON 4320

The following must be included in the 18 hours:

MANA 3315, MANA 3320, MANA 4315, MANA 4325 or MANA 4335

Management electives

12 hr.

6 hr.

### Major in Marketing

Accounting core - ACCT 3301 or ACCT 3311 or ACCT 3315

Economics core - ECON 3314 or ECON 3317 or ECON 4320

The following must be included in the 18 hours:

MARK 3340, MARK 3350, MARK 4380, MARK 4390

Marketing electives

12 hr.

6 hr.

- F. Twelve additional upper-division hours

At least six of these hours must be taken in the field of business administration. For students wishing to qualify to sit for the CPA examination, six of these hours, selected with consent of advisor, must be outside Business Administration and Economics.



**Note:** Students who wish to qualify to sit for the Certified Public Accountant Examination in May 1998, or thereafter, must have completed 150 semester hours of higher education credits. A student may satisfy this requirement by (1) enrolling in the Master of Business Administration Program or by (2) taking additional courses as a non-degree-seeking student. All accounting students should discuss these options with their advisors early in their accounting studies.

The following is a generalized outline of courses in sequence which all students seeking the Bachelor of Business Administration degree should follow during junior and senior years. Students should see major advisor for more specific course requirements.

**Junior****1st semester**

GENB 3301	3 hrs.
GENB 3353	3 hrs.
Core	3 hrs.
Core	3 hrs.
Core or Major	3 hrs.

15 hrs.

**2nd semester**

GENB 3370	3 hrs.
Core	3 hrs.
Core	3 hrs.
Major	3 hrs.
Major	3 hrs.
Elective	3 hrs.

18 hrs.

**Senior****1st semester**

MANA 4305	3 hrs.
Core	3 hrs.
Major	3 hrs.
Major	3 hrs.
Elective	3 hrs.

15 hrs.

**2nd semester**

MANA 4395	3 hrs.
Major or Core	3 hrs.
Major	3 hrs.
Elective	3 hrs.
Elective	3 hrs.

15 hrs.

**SECONDARY TEACHER CERTIFICATION**

A teaching specialization in business administration requires the following 27 semester hours:

Principles of Accounting	6 hrs.
Principles of Economics	6 hrs.
GENB 3301 Business Law and Social Responsibility	3 hrs.
GENB 3370 Information and Communication Techniques	3 hrs.
MANA 3315 Management of Organizations	3 hrs.
FINA 3311 Financial Management	3 hrs.
MARK 3311 Principles of Marketing	3 hrs.

TOTAL 27 hrs.

State requirements for teacher certification are listed in the School of Education and Psychology section of this catalog. Students seeking teaching certification in business administration should see a business advisor in the School of Business Administration.

**MINOR IN BUSINESS ADMINISTRATION**

A minor in business administration is available to students whose major field is outside the School of Business Administration. The student must complete 18 upper-division semester hours of business administration courses as outlined below and must meet any prerequisites listed:

MANA 3311 Organization Theory and Behavior	3 hrs.
MARK 3311 Principles of Marketing	3 hrs.
FINA 3311 Financial Management	3 hrs.
ACCT 3301 Managerial Accounting	3 hrs.
Other courses selected from the curriculum of the School of Business Administration and approved by a business administration advisor	6 hrs.

**GENERAL STUDIES**

Recommended emphasis in Business Administration for General Studies students:

MANA 3311 Organization Theory and Behavior	3 hrs.
MARK 3311 Principles of Marketing	3 hrs.
FINA 3311 Financial Management	3 hrs.
ACCT 3301 Managerial Accounting	3 hrs.
Business electives approved by Business advisor	6 hrs.

TOTAL 18 hrs.

**Note:** FINA 3311 and ACCT 3301 have prerequisites which must be satisfied before the student enrolls in these courses.



## ACCOUNTING (ACCT)

### ACCT 3300

#### Survey of Accounting

Survey of accounting procedures, accumulation of information regarding the accounting entity, and interpretation for control purposes and managerial decisions. Students who have credit for six hours of principles of accounting may not receive credit for this course. Course fee required.

### ACCT 3301

#### Managerial Accounting (Non-Accounting Majors)

Management's needs and uses of accounting and related data for purposes of operation and control. Prerequisite: Six hours of principles of accounting. May not be taken for credit by accounting majors. Course fee required.

### ACCT 3302

#### Accounting for Nursing

Administration basic topics in financial and managerial accounting for health care organizations. Designed for students who have no accounting background. May not be taken for credit by students pursuing the BBA degree.

### ACCT 3311

#### Intermediate Accounting I

Accounting theory and practice relating to problems of asset valuation and classification in accounts and statements. Prerequisite: Six hours of principles of accounting. Course fee required.

### ACCT 3312

#### Intermediate Accounting II

Accounting theory and practice relating to problems of valuation and classification of liabilities and stockholder's equity, statement of cash flows, financial statement analysis, other topics. Prerequisite: ACCT 3311. Course fee required.

### ACCT 3315

#### Cost Accounting

Accounting for manufacturing operations; emphasis on standard costing, process costing and relevant analysis for decision making. Prerequisite: Six hours of principles of accounting. Course fee required.

### ACCT 3325

#### Income Tax I

Statutes, regulations, administrative rulings, and court decisions relating to federal income taxes of individuals. Prerequisite: Six hours of principles of accounting. Computer user fee required.

### ACCT 3326

#### Income Tax II

Statutes, regulations, administrative rulings and court decisions relating to federal income taxes of partnerships, corporations, estates, and trusts. Prerequisite: ACCT 3325.

### ACCT 4310

#### C.P.A. Problems

A study of questions and problems appearing on the past CPA examinations and current topics. Prerequisite: 18 hours of accounting, or consent of instructor. Course fee required.

### ACCT 4320

#### Advanced Accounting

Accounting problems in respect to multiple ownership; consolidated financial statements and partnership accounts; institutional, social and fiduciary accounting. Prerequisite: ACCT 3312. Course fee required.

### ACCT 4325

#### Oil and Gas Accounting

An introduction to oil and gas exploration, development, and production concepts integrated with the study of associated accounting problems in this specialized field. Prerequisite: Six hours of principles of accounting. Course fee required.

### ACCT 4330

#### Governmental and Not-for-Profit Accounting

Fund accounting for governments and not-for-profit organizations. Coverage includes budgets, revenues, expenditures, tax levies, appropriations, general funds, special funds, and financial reports. Prerequisite: Six hours of principles of accounting. Course fee required.

### ACCT 4380

#### Auditing

Auditing procedures, auditing standards and auditing reports. Responsibilities and ethical standards of independent public accounting firms. Prerequisite: ACCT 3312. Computer user fee required.

### ACCT 4385

#### Accounting Theory

Evolution of financial accounting theory and practice; survey of contemporary accounting, with emphasis on latest developments and issues. Prerequisite: ACCT 3312. May be taken for graduate credit with consent of advisor. Course fee required.

### ACCT 4391

#### Accounting Information Systems

Structure of financial data flow systems within an organization. Development of logic, flow and control concepts and reporting techniques of these systems. Prerequisite: COSC 3309 or equivalent and ACCT 3312. Course fee required. Computer user fee required.

### ACCT 4099

#### Independent Study

Independent study in special areas of accounting not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may apply toward an undergraduate degree. Independent study courses are available only to degree seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part

of the student's permanent record. Prerequisite: Consent of department chair. Course fee required.

## ECONOMICS (ECON)

Courses in Economics are listed in the Department of Social Sciences in the School of Liberal Arts

## FINANCE (FINA)

### FINA 3311

#### Financial Management

Financial aspects of business, capitalization, taxes, capital budgeting and costs of capital, rate of return, leverage and domestic and international sources of financing. Prerequisite: Six hours of principles of accounting. Course fee required.

### FINA 3315

#### Personal Finance

A study of the financial problems which people ordinarily encounter in managing their personal affairs: financial planning, insurance, budgeting, credit, home ownership, savings, investments, and taxes. Course fee required.

### FINA 3321

#### Principles of Real Estate

Basic principles of real estate with emphasis on contracts of sale, deeds, abstracts, leases, options, liens, taxes, financing, and market conditions. Course fee required.

### FINA 3330

#### Investments

A study of the investment decision process including analysis of those factors affecting the investment policies of individuals, firms and financial institutions. Course fee required. Computer user fee required.



**FINA 3340****Principles of Insurance**

The role of life insurance in meeting economic security needs, types of individual and special life annuity contracts, individual health insurance contracts, and the mathematics of life insurance as related to premiums, reserves, surplus and dividends. Course fee required.

**FINA 4310****Management of Financial Institutions**

A study of the structure and functions of financial institutions; their sources and uses of funds; analysis of the nature and function of credit; the effects of financial institutions on the economics system; international financial considerations; and macro economic analysis. Course fee required.

**FINA 4320****Real Estate Finance**

The institutions of real estate finance, sources of funds, mortgage risk analysis, and typical policies and procedures of financing residential, industrial, and commercial properties. Course fee required.

**FINA 4330****Security Analysis and Portfolio Management**

Techniques of analyzing financial data, evaluation of securities, and selection of securities to meet investment objectives. Prerequisite: FINA 3330. Course fee required. Computer user fee required.

**FINA 4340****Intermediate Financial Management**

A study of the conceptual and analytical framework guiding the investment, financing and dividend decisions of the firm. Prerequisite: FINA 3311. Course fee required.

**FINA 4350****International Finance and Multinational Business**

Financial considerations of the multinational firm. Emphasis is placed on the international money markets, determination of currency exchange rates, arbitrage, and international capital movements. Course fee required.

**FINA 4360****Risk Management and Insurance**

Risk management, theory of insurance, and personal and business needs served by insurance. Course fee required.

**FINA 4370****Special Topics in Finance**

Areas of study in finance that reflect contemporary topics not covered by organized courses. May be repeated once for credit when the topics vary. Prerequisite: FINA 3311 or consent of instructor.

**FINA 4390****Financial Administration**

A case course designed to give the student experience in solving financial problems occurring in modern corporate enterprise. Prerequisite: FINA 3311. Course fee required.

**FINA 4099****Independent Study**

Independent study in specific areas of finance not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Independent study courses are available only to degree-seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of department chair. Course fee required.

## GENERAL BUSINESS (GENB)

**GENB 3300****Small Business and Entrepreneurship**

Application of business management principles to the formation and operation of small business enterprises. Considers the problems of organizing, financing and marketing by small firms. Course fee required.

**GENB 3301****Business Law and Social Responsibility**

Introduction to the legal environment of business, legal reasoning, and historical perspective. The influence on economic activity by regulatory agencies in their pursuit of public policy goals is stressed. An introduction to business and professional ethics is included. Course fee required.

**GENB 3306****Business Law**

A study of: property law, insurance, wills, trusts, estates, bailments, secured transactions, government regulation, employer-employee relations, corporation, bankruptcy, suretyship, and the accountant's legal responsibility, with an emphasis on the uniform CPA exam. Course fee required.

**GENB 3353****Statistics (Same as MATH 3353)**

Measures of central tendency and dispersion, sampling, probability, testing of hypothesis, correlation and regression, time series, and index numbers. Prerequisite: Six hours of Finite Math or equivalent. (Students cannot receive credit for both MATH 3350 and GENB (or MATH) 3353. Course fee required.

**GENB 3370****Information and Communication Techniques**

Opportunity for development of clear and persuasive writing skills, study of interpersonal communication channels in internal and external environments, and experience in writing business letters, reports, and other written communications. Course fee required.

**GENB 4310****International Business**

Organization and operation of the multinational firm. Considers problems involved in establishing overseas marketing, financing production abroad, legal restrictions and requirements, domestic and foreign taxation of earnings, and theories of world trade. Course fee required.

**GENB 4370 & 4371****Undergraduate Internship Program**

An 8 to 16 week program providing for a learning experience in an off-campus environment. Prerequisite: Consent of department chair. Course fee required.

## MANAGEMENT (MANA)

**MANA 3311****Organization Theory and Behavior**

Development of effective work groups in business. Analysis of interpersonal interaction, group dynamics, and influences of the total system on behavior. Study of organization boundaries with the external environment, sensing mechanisms, and adaptation, goal setting processes, organization design, and integration of organization subsystems. Course fee required.

**MANA 3315****Management of Organizations**

Functions of management: planning, organizing, staffing, directing, and controlling. Comparison of traditional and behavioral approaches to management leading toward development of a personal philosophy of management. Course fee required.

**MANA 3320****Human Resources Management**

Planning, organizing and administering the personnel department. Emphasis given to recruiting, testing, training, and development of employees. Prerequisite: MANA 3311. Course fee required.

**MANA 3330****Management Information Systems**

A survey of the tools and techniques for applying state-of-the-art decision models and software in computerized information systems supporting managerial decision making. Main topic area includes decision support system technology, artificial intelligence tools, expert systems and business applications. Prerequisite: COSC 3309 or equivalent. Computer user fee required.



**MANA 4300****Health Care Environment**

For the health care professional who wishes to assume managerial responsibilities. An introduction to the legal, social and economic issues and the common practices, policies and procedures appropriate to a variety of health care organizations will be studied. Course fee required.

**MANA 4305****Production and Operations Management**

Management of the production function in business firms with special attention given to production, transportation, inventory, quality and cost control. Prerequisite: COSC 3309 and GENB 3353 or equivalents. Course fee required. Computer user fee required.

**MANA 4315****Management Science**

Introduction to the philosophy and techniques of management science. Topics include classical optimization theory with business applications, linear programming by the simplex method, forecasting, and queuing theory with computerized business applications. Prerequisite: Completion of lower-division math and GENB 3353. Course fee required. Computer user fee required.

**MANA 4325****Compensation Administration**

Job analysis and evaluation; development of a comprehensive compensation program including incentive systems, supplemental compensation, and methods of executive remuneration. Prerequisite: MANA 3311. Course fee required.

**MANA 4335****Industrial Relations**

Overview of labor law, rights of employers and unions in organizing and bargaining, grievance processing, arbitration, and collective bargaining strategy and tactics. Prerequisite: MANA 3311. Course fee required.

**MANA 4370****Special Topics in Management**

Studies in management to include such topics as organizational theory and structure, global challenges in management, and ethical issues confronting management. A maximum of six semester hours may be applied to a degree. May be repeated once for credit when content changes. Prerequisite: Consent of instructor. Course fee required.

**MANA 4380****Small Business Consulting**

The application of theory from the various disciplines to business problems in a consulting environment with small businesses. Definitions of problems, analysis of appropriate variables, and recommendations are provided by students for implementation by management. Prerequisite: Senior standing and consent of department chair. Course fee required.

**MANA 4385****Organization Development**

Behavioral science concepts applied to organization problems with an emphasis on improving skills in human relations. Utilizes cases, group interactions, and simulated learning experiences. Prerequisite: MANA 3311 or consent of instructor. Course fee required.

**MANA 4395****Managerial Strategy and Policy**

Integration of accounting, economics, law, finance, management, and marketing in the solution of an organization's problems. The case method is used extensively. Prerequisite: Completion of, or current enrollment in, all 3000 level business core courses and senior standing. Course fee required.

**MANA 4099****Independent Study**

Independent study in specific areas of management not covered by organized undergraduate courses. A maximum of six credit hours for independent study may be applied toward an undergraduate degree. Independent study courses are available only to degree seeking students. The student must

request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of department chair. Course fee required.

## MARKETING (MARK)

**MARK 3311****Principles of Marketing**

Marketing institutions, current market practices and structure of the market. Analysis of marketing functions, institutions, pricing, promotion, costs, marketing legislation and international marketing. Course fee required.

**MARK 3321****Advertising Strategies**

Communications concepts applied to advertising, personal selling, and sales promotion; media selection and evaluation; social and economic aspects, and their relationships to other business functions. Prerequisite: MARK 3311. Course fee required.

**MARK 3325****Retailing**

Fundamental operations of retail institutions. Consideration is given to store location, merchandising, sales promotion, inventory control, and store organization. Prerequisite: MARK 3311. Course fee required.

**MARK 3340****Channel Systems and Market Structures**

Relationships among marketing intermediaries; market structure and institutional analysis, and strategies for channel management. Prerequisite: MARK 3311. Course fee required.

**MARK 3350****Consumer Behavior**

Analysis of psychological, sociological, and cultural aspects of human behavior affecting consumer's actions in the market place. Consumer purchase decision processes are also analyzed. Prerequisite: MARK 3311. Course fee required.

**MARK 3360****Salesmanship**

Modern concepts in the performance of the selling functions are provided. Behavioral emphasis is given to interpersonal relationships faced in serving industrial, specialty, and technical markets. Prerequisite: Consent of instructor. Course fee required.

**MARK 4300****Marketing for Health Care**

Decision making in the service industries such as accounting, education, finance, health, and other professional fields will be studied. Emphasis will be on problem solving for marketing in areas which are unique to the service sector. May be taken for graduate credit. Prerequisite: MARK 3311.

**MARK 4305****Advertising Management**

Special attention is given to planning, strategy, analysis, and measurement of advertising effectiveness. Explores the subject of ethics and truth in advertising. Prerequisite: MARK 3311. Course fee required.

**MARK 4365****Sales Management**

Decision making for sales executives. Organization and administration of sales departments with special attention to sales forecasting. Prerequisite: MARK 3311. Course fee required.

**MARK 4370****Special Topics in Marketing**

Areas of study in marketing that reflect contemporary topics not covered by organized courses. May be repeated once for credit when content changes. Prerequisite: MARK 3311. Course fee required.



**MARK 4380**

**Marketing Research**

Informational input for decision making, scientific method, research design, and sampling relative to the research process for the solution of marketing problems. Prerequisite: MARK 3311 and GENB 3353. Course fee required.

**MARK 4390**

**Marketing Management**

Integrated capstone course in the field of marketing. Emphasis is directed to forecasting, market analysis, cost analysis, communications, and development and selection of appropriate strategies. Prerequisite: MARK 3311. Course fee required.

**MARK 4099**

**Independent Study**

Independent study in specific areas of marketing not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Independent study courses are available only to degree-seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of department chair. Course fee required.

**GRADUATE COURSES**

Graduate courses are offered in accounting, general business, finance, management and marketing. See "Graduate Programs" section for complete listings and descriptions.

# SCHOOL OF EDUCATION AND PSYCHOLOGY

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**J. Milford Clark, dean**

The School of Education and Psychology is composed of five academic departments offering courses and experiences fulfilling requirements for baccalaureate degrees and teaching certificates in a variety of disciplines.

The Department of Curriculum and Instruction coordinates a Bachelor of Science degree program with a major in interdisciplinary studies which fulfills academic requirements for elementary teacher certification. The Department of Curriculum and Instruction also offers course work leading to secondary and all-level teacher certification.

The Department of Special Services offers course work which fulfills academic requirements for teacher certification in reading and special education at elementary and secondary levels.

The Department of Health and Kinesiology offers a Bachelor of Arts degree in health and kinesiology, a Bachelor of Science degree in health professions, and a Bachelor of Science degree in kinesiology.

The Department of Health and Kinesiology also offers course work which fulfills academic requirements for elementary, secondary, and all-level certification.

The Department of Technology offers a Bachelor of Science degree with a major in technology or training and development and a Bachelor of Applied Arts and Sciences degree designed for technical or vocational studies. The Department of Technology also offers course work which fulfills academic requirements for secondary teacher certification.

The Department of Psychology offers a Bachelor of Arts degree and a Bachelor of Science degree with a major in psychology. The Department of Psychology also offers course work which fulfills academic requirements for secondary teacher certification.

Course work is also available which fulfills academic requirements for teacher certification in vocational industrial education and endorsements in early childhood education, early childhood-handicapped, information processing technology, seriously emotionally disturbed and autistic, and gifted-talented education.

Graduate degree programs in clinical exercise physiology, curriculum and instruction, early childhood education, educational administration, health and kinesiology, kinesiology, professional counseling, psychology, reading, special education and technology are described in the graduate section of this catalog. Inquiries should be directed to the Office of Graduate Studies, School of Education and Psychology.



## DEPARTMENT OF CURRICULUM AND INSTRUCTION

William C. Bruce, chair

Please note: Programs described in this section lead to teaching certification in accordance with the 1987 standards of the Texas Education Agency. Professional Educator Programs are guided by acts of the Texas Legislature, policies of the Texas Education Agency, and policies of the Texas Higher Education Coordinating Board and are subject to change. Please consult an advisor within the Department of Curriculum and Instruction to ascertain the latest policies and programs.

Through course work in the Department of Curriculum and Instruction, students may obtain Bachelor of Science with a major in interdisciplinary studies, Master of Arts, and Master of Education degrees, as well as elementary and secondary teacher certification. Persons wishing to teach kindergarten may complete additional course work for an endorsement on certain types of certificates. (For information about special education and reading, see Department of Special Services.) Master's level programs are designed for teachers of all levels who want to update their instructional skills. (See the graduate section of this catalog for information concerning the master's degrees in Early Childhood Education and Curriculum and Instruction.)

### GOALS FOR PRESERVICE TEACHERS

The goals of the Educator Preparation Program at The University of Texas at Tyler are as follows:

- A. To provide every preservice teacher with knowledge, skill, and enthusiasm to take a diverse group of learners and, irrespective of content,
  1. Assess and evaluate student progress and teacher decision-making (pre/en route/post) ;
  2. Create plans which incorporate appropriate experiences for helping students master the presented content;
  3. Implement instructional plans, using a variety of teaching styles, strategies, and materials;
  4. Justify all instructional decisions in terms of learning theories and principles; and
- B. To develop an understanding of the profession

### ACADEMIC FOUNDATIONS FOR CERTIFICATION

Below are academic foundation courses approved by the Texas Education Agency for teacher certification. Generally, these courses should be completed at the freshman-sophomore levels.

- |  |         |
|--|---------|
| A. English<br>(6 hrs. composition; 6 hrs. literature, including world literature [to be survey courses]) | 12 hrs. |
| B. Speech (emphasizing oral language proficiency)  | 3 hrs.  |
| C. United States history (survey courses)  | 6 hrs.  |

- |  |                |
|--|----------------|
| D. Political science (3 hrs. U.S. Government; 3 hrs. Texas Government)   | 6 hrs.         |
| E. Natural science (Must include lab)<br>(For elementary certification: 3-4 hrs. life sciences and 3-4 hrs. physical science)  | 6-8 hrs.       |
| F. Mathematics (Must include 3 hrs. at or above level of college algebra)<br>(For elementary certification: MATH 3320 and MATH 4320 or their equivalents)  | 6 hrs.         |
| G. Computer literacy   | 3 hrs.         |
| H. Fine arts (history or appreciation of art, music, or theatre; not to be applied course)   | 3 hrs.         |
| I. EPSY 3350 (Educational Psychology: Learning)  | 3 hrs.         |
| J. Electives<br>To be chosen from at least two of the following areas, with no more than six hours in any area: social sciences; natural sciences; mathematics; fine arts (history or appreciation of art, music, or theatre; not to be applied course); humanities (English, history, philosophy); or foreign language. | 12 hrs.        |
| <b>TOTAL</b>   | <b>62 hrs.</b> |

**NOTE:** Students who plan to have teaching specializations in health or physical education should take 8 hours of anatomy and physiology to fulfill their science requirement.

**NOTE:** Students seeking elementary certification are required to complete six hours of mathematics (see prerequisites for ELED 4313), and three hours of geography (see prerequisites for ELED 4312). In addition to these course prerequisites, students seeking elementary certification must demonstrate knowledge of health, physical education, music and art content taught in the elementary curriculum. To obtain this information, students may take PYED 3356, MUED 3324, ART 3315 or their lower-division equivalents. The various majors and teaching specializations should be consulted for additional prerequisites at the lower-division level. These requirements extend the general education requirements for the baccalaureate degree.

### ADMISSION TO THE EDUCATOR PREPARATION PROGRAM

Students seeking teacher certification through UT Tyler must apply for admission to the Educator Preparation Program during their first semester of course work in the Department of Curriculum and Instruction. Elementary and Secondary certification students may take all Phase I courses prior to admission to the educator preparation program. Students seeking certification for elementary grades (BSIS) must be admitted to the educator preparation program prior to ELED 4310. Students seeking secondary and all-level certification must be admitted to teacher education prior to any Phase II course. Recent changes in state law require admission to the educator preparation program prior to enrollment in any Phase II, III, and IV courses. See Phase I, II, III, and IV sequence of courses for each certification area. Orientation sessions explaining this procedure are conducted each semester.

Admission to the Educator Preparation Program will be approved based on the following: completion of the Texas Academic Skills Program with scores of 240 on each subsection (Note: students having scores falling between the state minimum of 220 and 240 and who have a minimum 2.5 grade point average on all accepted transfer work may petition the Department of Curriculum and Instruction for admission on an individual basis); completion of a speech proficiency examination; submission of a completed degree



plan; submission of evidence that the student is free of tuberculosis; and approval of faculty. NOTE: A \$50 testing and administrative fee will be charged to cover the costs related to admission and supervision of the educator preparation program.

The minimum scores needed for exemption from the TASP requirement for admission to the educator preparation program have been changed. The scores needed to be exempt from the TASP are:

American College Test (ACT): Composite score of 26 with a minimum of 22 on both the English and mathematics tests.

Scholastic Assessment Test (SAT): For tests taken April 1995 and later, a combined score of 1180 with 550 minimums on both the verbal and mathematics tests.

For tests taken prior to April 1995, a combined score of 1090 with minimums of 470 on the verbal test and 530 on the mathematics test.

Texas Assessment of Academic Skills (TAAS): A minimum score of 1780 on the writing test, and a Texas Learning Index (TLI) of 89 on reading and 86 on mathematics.

## ADMISSION TO STUDENT TEACHING

An application for admission to student teaching must be made to the coordinator of student teaching early in the semester preceding the one in which the preservice teacher plans to do student teaching. The application will be approved if the student meets the prerequisites for student teaching: the required grade point average in teaching specialization(s) and a 2.5 in educator preparation courses; completion of all hours on the degree or deficiency plan for courses in professional education and lack no more than 6 hours plus student teaching of the total hours required.

## FIELD EXPERIENCES

All professional development courses have a 10 to 15 hour field experience requirement. These experiences will occur in accredited schools. Individual instructors will make specific course requirements related to field experience.

Many specialization courses require field experience as an integral part of the course requirements. Among these are courses in early childhood, health and kinesiology, reading, and special education. Refer to course descriptions in the university catalog. Field activities are assigned by the respective course instructor, but placement is assigned through the Office of Field Experience.

## ELEMENTARY CERTIFICATION

Students pursuing a baccalaureate degree in interdisciplinary studies or other appropriate academic degrees and students who have an earned degree may be certified to teach in the elementary grades. For details, see an advisor in the Department of Curriculum and Instruction.

## BACHELOR OF SCIENCE WITH A MAJOR IN INTERDISCIPLINARY STUDIES DEGREE REQUIREMENTS

The Bachelor of Science with a major in interdisciplinary studies is designed for students interested in teaching grades prekindergarten, grades 1-6, or grades 1-8, depending on the option selected. Degree requirements are as follows:

- A. Completion of baccalaureate general education degree requirements.  
(See Academic Foundations for Certification under the Department of Curriculum and Instruction.)
- B. Completion of required course work in the first specialization (see below)
- C. Completion of required course work in the second specialization (see below)
- D. Completion of 18 semester hours of combination of subjects which cover content taught in elementary schools  
These courses include READ 4337 and READ 4350 (unless reading is selected as a second specialization). Additional courses are selected with advisor approval and typically may include courses selected from the following: ART 3315, BIOL 3431, CHEM 3409, THTR 4321, ENGL 3375, ENGL 3330, ENGL 3390, GEOG 3310\*, HIST 3301, HIST 4320, MUED 3324, PYED 3356, SOCI 3321, SPCH 3320, SPCH 4321. Courses from this category may not be used to satisfy general academic or specialization requirements. (\*This course also satisfies other elementary education prerequisites.)
- E. Completion of 12 hours of professional development courses, including ELED 4310, with nine semester hours to be selected from ELED 4311, ELED 4312, ELED 4313, or ELED 4314, with advisor approval
- F. Completion of six semester hours of Student Teaching in EDST 4380 and EDST 4381
- G. Completion of EPSY 3330 (Educational Psychology: Child Development) and EDUC 3310 (The School in the Social Setting)

## ELEMENTARY CERTIFICATION OPTIONS AND SPECIALIZATIONS

The following teacher certification options are approved by the Texas Education Agency:

### OPTION I (Biology / Earth Science)

An Option I certificate is for grades 1-6 and is limited to Biology/Earth Science. The student will earn 33 hours in the specialization, 16 of which must be upper-division.

### OPTION II

An Option II certificate is for grades 1-8. Students must choose both a first specialization and a second specialization. Below are the approved specializations:

First * Specialization	SCH	Upper Division
Art	21	12



English	24	12
History	24	12
Mathematics	24	12
Music	22	12
School Kinesiology	22	12
Spanish	24	12
Speech	21	12

Second** Specialization	SCH	Upper Division
Art	18	9
Health	18	9
English	18	9
History	18	9
Mathematics	18	9
Reading	18	9
Special Education ***	18	9
Speech	18	9

\*The specific requirements for each of the above specializations are listed within the teacher certification section of each academic area.

\*\*Not all second specializations can be combined with all first specializations. For more information, see an academic advisor in the Department of Curriculum and Instruction.

\*\*\*Certification in special education will require six additional hours. Please see an advisor in this area for details.

### OPTION III (Broad Field Social Studies)

Students pursuing Option III (Broad Field Social Studies) must complete the following 42 semester hours of course work, 18 semester hours of which must be advanced:

A. World civilizations HIST (FROM HIST 3301, 4393 or 4394)	3 hrs.
B. Upper-division European history elective	3 hrs.
C. Elements of History HIST 4301	3 hrs.
D. American history survey courses	6 hrs.
E. History elective	3 hrs.
F. American political institutions (select from POLS 4320, 4330, 4340)	3 hrs.
G. United States and Texas government	6 hrs.
H. Introductory economics	3 hrs.
I. Upper-division economics	3 hrs.
J. Upper-division geography	3 hrs.
K. Sociology of marriage and family (SOCI 3341)	3 hrs.
L. Anthropology (ANTH 3300 or equivalent)	3 hrs.

### OPTION IV (Early Childhood Education)

Students who wish to be certified in early childhood education should select this option as a second specialization. This option requires 24 semester hours. Courses counting toward both the Bachelor of Science with a major in interdisciplinary studies and early childhood certification include: EDEC 3305; HLED 4315 (or equivalent); SOCI 3341 (or equivalent); and KINE 3303 (or equivalent). Students will also select six hours (at least three of which must be upper-division) from the following: EDEC 3325 (or equivalent);

READ 4364; ART 3315 (or equivalent); MUSI 3324 (or equivalent); THTR 4321 (or equivalent); PYED 3356 (or equivalent). Additionally, students wishing to be certified in early childhood education must take EDEC 3345 and EDEC 4355.

## ELEMENTARY EDUCATOR PREPARATION PROGRAM ALTERNATIVES

### CAMPUS - BASED ALTERNATIVE

#### Campus-based Course Sequence:

The following course sequence in professional education is recommended.\*

Phase I	Phase II	Phase III	Phase IV
EDUC 3310	EPSY 3350	Select 3**	EDST 4380
EPSY 3330	ELED 4310	from ELED	EDST 4381
READ 4350	READ 4337	4311, 4312, 4313, 4314	

Teaching specialization courses and combination of subjects are to be taken prior to Phase IV with the approval of the appropriate department.

\*Students pursuing teaching fields in health and kinesiology should see an advisor in the Department of Health and Kinesiology to determine the proper professional education courses for certification in these areas.

\*\*Courses from ELED 4311, 4312, 4313, or 4314 should be selected with advisor approval.

### FIELD - BASED ALTERNATIVE

Students opting for the field-based program will spend one semester on campus followed by two semesters in an elementary school as teacher interns. Their final semester will be spent in elementary schools as teacher apprentices. Students interested in this alternative should seek advisement in the Department of Curriculum and Instruction.

#### Field-based Course Sequence:

Phase I	Phase II	Phase III	Phase IV
EDUC 3310	EDFB 4310	EDFB 4312	EDST 4380
EPSY 3320	EDFB 4311	EDFB 4313	EDST 4381
READ 4364	EDFB 4350	EDFB 4314	EDFB 4305
EDUC 4321	EDFB 4360	EDFB 3333	EDFB 4374
	EDFB 4337	EDFB 4366	
	EDFB 4377		

### SECONDARY CERTIFICATION

Students wishing to be certified to teach in Texas secondary schools must complete the following:

#### A. Academic foundations requirements

(See Academic Foundations for Certification under the Department of Curriculum



and Instruction.)

- B. Degree requirements, as listed in the appropriate area of the catalog, in a teaching field appropriate to the public schools of Texas  
(See Teaching Specializations and Certification Options below.)
- C. Hours required for a second teaching field, if applicable, as outlined in the catalog
- D. 12 hours of professional development courses, including EPSY 3340, READ 4338, EDUC 3310, and SSED 4320
- E. Six hours of student teaching, EDST 4390, 4391

## TEACHING SPECIALIZATIONS AND CERTIFICATION OPTIONS

Teaching specializations and certification options are approved by the Texas Education Agency. Students pursuing baccalaureate degrees in appropriate fields may be certified to teach at the secondary level under one of four options:

**Option I: Minimum of 36 semester hours (21 upper-division) in one academic specialization from:**

Biology	Journalism
Chemistry	Mathematics
Computer Information Systems	Physical Education
English	Spanish
Health Education	Speech
History	Theatre

**Option II: Two teaching fields, including the academic major, with a second teaching field of at least 24 semester hours chosen from:**

Biology	Physical Education
Business Administration	Physical Science
Chemistry	Political Science
Computer Information Systems	Psychology
English	Reading
Health Education	Sociology
History	Spanish
Journalism	Special Education
Life-Earth Sciences	Speech
Mathematics	Theatre

Most fields require lower-division prerequisites and exceed the minimum number of hours required. See specific requirements for each specialization given within the "teacher certification" section of each academic area.

**Option III: Minimum of 48 semester hrs. (24 upper-division hrs.) in a broad field teaching specialization from:**

### Industrial Technology Education

Students must meet the requirements for the Educator Preparation Program and see advisor in the Department of Technology.

**Option IV: Minimum of 48 semester hrs. (24 hrs. with 12 upper-division hrs. in a single field) composite teaching specialization from English Language Arts or Social Studies. For specific requirements, see School of Liberal Arts section.**

## PROFESSIONAL EDUCATION COURSE SEQUENCE

The following course sequence in professional education is recommended:\*

Phase I	Phase II	Phase III	Phase IV
EDUC 3310	EPSY 3340 EPSY 3350 READ 4338	SSED 4320	EDST 4390 EDST 4391

\*Students pursuing all-level certification in physical education should see an advisor in the Department of Health and Kinesiology for the proper professional education sequence.

## TEACHER CERTIFICATION

Persons who plan to receive teacher certification through UT Tyler must meet the following requirements:

- A. Complete a bachelor's degree or hold a degree prior to seeking certification
- B. Complete the general education requirements for certification
- C. Be admitted to the Educator Preparation Program which includes successful completion of the Texas Academic Skills Program (TASP) test required by the State of Texas and other requirements for admission to the Educator Preparation Program
- D. Complete specified course work in the pre-professional development sequence
- E. Complete specific course work in the selected teaching specialization(s)
- F. Satisfy field experience requirements prior to student teaching in conjunction with course work in professional development  
Students seeking elementary certification (all options) will complete approximately 60 clock hours of preservice field experiences. Students seeking secondary and all-level certification will complete approximately 45 clock hours of field experiences.
- G. Complete student teaching requirements
- H. Satisfactorily complete state required certification examinations of pedagogy and teaching specializations
- I. Complete all course work used to satisfy requirements for a teaching certificate with no grade below a "C" (including academic foundations, specialization or teaching field(s), combination of subjects and professional development)

## CERTIFICATES

### ELEMENTARY PROVISIONAL CERTIFICATE

There are four options available for this certificate. Option I (grades 1-6); Option II (grades 1-8); Option III (grades 1-8); and, Option IV (grades prekindergarten) are described under the requirements for the Bachelor of Science with major in interdisciplinary studies. Students desiring to major in other academic areas may obtain elementary teacher certification by meeting requirements of the selected major and those specified for the Educator Preparation Program including the academic foundations for certification listed under the Department of Curriculum and Instruction. See the academic advisor in the major area and the chair, Department of Curriculum and Instruction, for details.



**SECONDARY PROVISIONAL CERTIFICATE**

Certification at the secondary level may be achieved by earning a degree in one or more teaching specializations and completing certification requirements including the academic foundations for certification listed under the Department of Curriculum and Instruction. Four options are available for students seeking secondary certification. These options and the professional development course work required of all students seeking secondary certification are listed under the Secondary Certification, Teaching Specializations and Certification Options in the Department of Curriculum and Instruction. All students seeking secondary certification are required to take 18 semester hours of professional development, plus EPSY 3350.

**ALL-LEVEL PROVISIONAL CERTIFICATE**

(Grade 1-12) All-level certification is available for the teaching fields of art, music and school kinesiology. Course work to satisfy the requirements of this certificate may be met by pursuing the degree and teaching specialization requirements of the appropriate field and completing certification requirements specified above for teacher certification, including the academic foundations for certification listed under the Department of Curriculum and Instruction. All students seeking all-level certification are required to take 18 semester hours of professional development, plus EPSY 3350.

The following course sequence in professional education is recommended:\*

Phase I	Phase II	Phase III	Phase IV
EDUC 3310	EPSY 3340 EPSY 3350 ELED 4310	READ 4338	EDST 4380 EDST 4390

\*Students pursuing teaching fields in health, kinesiology, and training and development should see an advisor in those areas to determine the proper professional development courses for those teaching fields.

**ENDORSEMENTS****EARLY CHILDHOOD**

The early childhood endorsement may be added to the elementary certification options I, II and III. In addition, this endorsement may be added to vocational home economics, all-level art, music, and health and physical education certificates. The endorsement requires 12 semester hours of course work in early childhood education at the junior level or above. At least six hours of course work in early childhood education must be completed prior to student teaching.

The following sequence of early childhood courses for endorsement is recommended:

EDEC 3305 Introduction to Early Childhood Education  
EDEC 3345 Early Childhood Curriculum I  
EDEC 4355 Early Childhood Curriculum II  
EDST 4310 Student Teaching in the Kindergarten\*

\*The three semester hours of student teaching in kindergarten replace three semester hours of student teaching in the elementary school when the endorsement is accomplished concurrently with provisional certification.

**INFORMATION PROCESSING TECHNOLOGIES**

Information processing technologies endorsements may be added to elementary, secondary, and all-level teaching certificates.

The Information Processing Technologies Level I endorsement requires 9 semester hours of course work, while the Level II endorsement requires 15 semester hours of course work.

The following courses are required for a Level I endorsement:

COSC 3308 Personal Computing  
COSC 3309 Information Systems Software  
EDUC 4321 Microcomputers in the Classroom

The following courses are required for a Level II endorsement:

COSC 3302 Structured Programming Applications  
COSC 3308 Personal Computing  
COSC 3309 Information Systems Software  
COSC 5314 Computer Assisted Instruction  
EDUC 4321 Microcomputers in the Classroom

Additional endorsements that may be obtained at UT Tyler are driver's education and English as a second language. See Department of Technology for driver's education and the Department of Humanities for ESL.

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**COURSE DESCRIPTIONS**

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**COMPARATIVE  
EDUCATIONAL  
SYSTEMS  
(COSY)****COSY 4601****Comparative Educational Systems**

Provides preservice teachers with opportunity to study educational programs in a variety of international settings. Classroom experiences preceding and following the travel will complement the travel/study experience. Course fee required.

**EARLY CHILDHOOD  
EDUCATION  
(EDEC)****EDEC 3305****Introduction to Child Development:  
Development and Learning**

An orientation to the study of child development from its early beginnings to the present. Emphasis is on determining teacher roles, the preferred learning environment, and appropriate learning content for meeting individual differences and cultural diversities of young children. Five hours field experience required. Prerequisite for all EDEC courses.



**EDEC 3325****Infants and Toddlers in Group Settings**

Assessment of developmental needs of the child (0-3 yrs.) in affective, psychomotor and cognitive areas of development. Emphasis is on priorities, provisions and practices in appropriate group setting and educational environments that consider individual differences, special needs and populations. Three hours of field experience required. Prerequisite: EDEC 3305.

**EDEC 3345****Early Childhood Curriculum I**

A survey of the basis of curriculum construction for Pre-K and kindergarten content in areas of receptive/expressive language and fine arts. Ten hours field experience required. Prerequisite: EDEC 3305. Course fee required.

**EDEC 4355****Early Childhood Curriculum II**

A survey of the basis of curriculum construction for math, science, social studies and health/safety. Ten hours field experience required. Prerequisite: EDEC 3305. Course fee required.

**EDEC 4099****Independent Study**

Independent study in specific areas of early childhood education not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## EDUCATION (EDUC)

**EDUC 3310****The School in the Social Setting**

This course examines the major social, economic, historical, political, and philosophical issues related to American education. Social objectives are used to provide a framework for highlighting the study of the educational setting. Ten hours field experience required. Course fee required.

**EDUC 4311****Preparation and Use of Instructional Materials**

Designed for students desiring expertise in the production of various media and the operation of equipment to facilitate instruction. The role of media and development of selection of criteria will precede instruction and practice in the use of current audio and production techniques. This course has application for those preparing to teach or enter other skill fields requiring instructional skills. Course fee required.

**EDUC 4321****Microcomputers in the Classroom**

Emphasizes educational use of the microcomputer. A "hands-on" approach to educational computing designed for preservice teachers. Extended computer access fee required.

**EDUC 4099****Independent Study**

Independent study in specific areas of education not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## EDUCATIONAL PSYCHOLOGY (EPSY)

**EPSY 3320****Overview of Educational Psychology**

This course will integrate various concepts of psychology and education. The emphasis will be on the application of psychological theory and research to help explain the various types of classroom interactions and dynamics. Topics to be covered include socialization, motivation, group dynamics, individual differences, and other psychological aspects of teaching and learning. Ten hours field experience required.

**EPSY 3330****Educational Psychology:****Child Development**

The scientific study of children through developmental and observational behaviors. Characteristics of physical, social, emotional, and cognitive stages of development are discussed and observed as they relate to learning implications for children. Major course emphasis will be on early and middle childhood periods within the human development spectrum. Field experience required. Course fee required.

**EPSY 3340****Educational Psychology:****Adolescent Development**

The scientific study of children through developmental theories and observational behaviors. Characteristics of physical, social, emotional, and cognitive stages of development are discussed and observed as they relate to learning implications for adolescents. Field experience required. Course fee required. Corequisite: Enrollment in EPSY 3350. Prerequisite: Admission to the educator preparation program and EDUC 3310.

**EPSY 3350****Educational Psychology: Learning**

The preservice teacher will be introduced to major theories of learning and motivation including related research. Emphasis will be on the applications of theories to teaching-learning situations. Field experience required. Course fee required. Corequisite: For secondary certification students: enrollment in EPSY 3340. Prerequisite for secondary and all level certification students: Admission to the educator preparation program and EDUC 3310.

## ELEMENTARY EDUCATION (ELED)

**ELED 4310****Teaching Skills for the Elementary Teacher**

Designed to provide preservice elementary teachers with the opportunity to acquire skills for effective planning, implementing, and evaluating instruction. Fifteen hours field experience required. Prerequisite: EDUC 3310 and EPSY 3330, and admission into the Educator Preparation Program. Course fee required.

**ELED 4311****Teaching Language Arts in the Elementary School**

Study of curriculum, methods and materials for interrelating programs in speaking, writing and listening; limited emphasis on literature. Ten hours field experience required. Prerequisite: ELED 4310. Course fee required.



**ELED 4312****Teaching Social Studies  
in the Elementary School**

Content and materials drawn from the social sciences will be studied and analyzed to provide a framework for social studies in the elementary school. Teaching methods will focus on process approaches. Ten hours field experience required. Prerequisite: three semester hours of geography, with a minimum grade of "C", ELED 4310. Course fee required.

**ELED 4313****Teaching Mathematics  
in the Elementary School**

Investigation of the scope and sequence of the curriculum methods and materials for instruction in the primary through intermediate level mathematics program. Ten hours field experience required. Prerequisite: MATH 3320 and MATH 4320 or equivalent courses with minimum grades of "C" in each and the successful completion of a proficiency examination, ELED 4310. Course fee required.

**ELED 4314****Teaching Science  
in the Elementary School**

This course will emphasize process approaches to science teaching. Content will be selected from biological, earth and physical sciences. Ten hours of field experiences required. Prerequisite: ELED 4310. Course fee required.

## **FIELD-BASED EDUCATION (EDFB)**

**EDFB 3333****Exceptional Students  
in the Regular Classroom**

A study of academic and social needs of exceptional learners educated in regular settings. Credit not given to students specializing in special education. Delivered in a field-based setting. Course fee required.

**EDFB 4305****Professional Development Seminar**

Provides students in the field-based educator preparation opportunities for synthesis and reflection as they integrate internship and apprenticeship experiences with their professional education course work. Consent of Instructor required. Course fee required.

**EDFB 4310****Teaching Skills  
for the Elementary Teacher**

Designed to provide preservice elementary teachers with the opportunity to acquire skills for effective planning, implementing, and evaluating instruction. Delivered in a field-based setting. Prerequisite: EDUC 3310, EPSY 3320 and admission into the educator preparation program. Course fee required.

**EDFB 4311****Teaching Language Arts  
in the Elementary School**

Study of curriculum, methods and materials for interrelating programs in speaking, writing and listening; limited emphasis on literature. Delivered in a field-based setting. Prerequisite: ELED 4310. Course fee required.

**EDFB 4312****Teaching Social Studies  
in the Elementary School**

Content and materials drawn from the social sciences will be studied and analyzed to provide a framework for social studies in the elementary school. Teaching methods will focus on process approaches. Delivered in a field-based setting. Prerequisite: three semester hours of Geography with a minimum grade of "C", ELED 4310. Course fee required.

**EDFB 4313****Teaching Mathematics  
in the Elementary School**

Investigation of the scope and sequence of the curriculum methods and materials for instruction in the primary through intermediate

level mathematics program. Delivered in a field-based setting. Prerequisite: MATH 3320 and MATH 4320 or equivalent courses with a minimum grade of "C" in each and successful completion of a proficiency examination, ELED 4310. Course fee required.

**EDFB 4314****Teaching Science  
in the Elementary School**

This course will emphasize process approaches to science teaching. Content will be selected from biological, earth and physical sciences. Delivered in a field-based setting. Prerequisite: ELED 4310. Course fee required.

**EDFB 4321****Microcomputers in the Classroom**

Emphasizes educational use of the microcomputer. A "hands-on" approach to educational computing designed for preservice teachers. Delivered in a field-based setting. Computer use fee required. Course fee required.

**EDFB 4337****Reading in the  
Intermediate School (Grades 4-6)**

A study of the development of vocabulary, comprehension, and study skills in content areas specific to grades 4-6. Analysis of reading assessment instruments and methods will be investigated. Strategies for class organization and management, including accommodation of students with special needs will be included. Delivered in a field-based setting. Course fee required.

**EDFB 4350****Preschool and Primary Reading  
(Grades K-3)**

A study of the specific reading needs of the preschool, primary and elementary child. Areas to be addressed include dyslexia, readiness skills. Language experience, the developmental reading areas of work recognition, comprehension and the basal lesson format. Delivered in a field-based setting. Course fee required.

**EDFB 4360****Reading Materials and Methods**

The study of the various materials, curricula, and literature associated with needs of special populations and of national, state, and community priorities. Delivered in a field-based setting. Prerequisite: ELED 4350 and READ 4364. Course fee required.

**EDFB 4366****Corrective Reading for the Classroom**

A course designed to afford the student an opportunity to implement the skills of assessment, prescription, and evaluation in a tutorial setting. Delivered in a field-based setting. Prerequisite: ELED 4337, ELED 4350, ELED 4360, and READ 4364. Course fee required.

**EDFB 4374****Seminar in Reading**

An examination of the literature, issues, and research related to the area of reading. Prerequisite: Nine semester credit hours in Reading and ENGL 3380. Delivered in a field-based setting. Course fee required.

**EDFB 4377****Classroom Management  
for Elementary Teachers**

Study of the managerial dimensions of teaching elementary students. Presents strategies available for management, communication, and discipline. Delivered in a field-based setting. Course fee required.



## SECONDARY EDUCATION (SSED)

### SSED 4320

#### Teaching Skills

##### for the Secondary Teacher

Designed to provide preservice secondary teachers with opportunity to acquire skills of effective planning, implementing and evaluating instruction. Teaching skills in the specific content fields, SSED 4321, 4322, 4323 or 4324 may be substituted for this course. Fifteen hours field experience required. Prerequisite: Admission to the educator preparation program and EDUC 3310, EPSY 3340, and EPSY 3350. Course fee required.

### SSED 4321

#### Teaching English Language Arts in the Secondary School

Examines both the theory and practice of English language arts instruction in the middle and secondary schools. Emphasizes instruction, strategies, planning and evaluation. May be substituted for SSED 4320. Ten hours field experience required. Prerequisite: Admission to the educator preparation program and EDUC 3310, EPSY 3340, and EPSY 3350. Course fee required.

### SSED 4322

#### Teaching Social Studies in the Secondary School

Examines both the theory and practice of social studies instruction in the middle and secondary schools. Emphasizes instruction, strategies, planning and evaluation. May be substituted for SSED 4320. Ten hours of field experience required. Prerequisite: Admission to the educator preparation program and EDUC 3310, EPSY 3340, and EPSY 3350. Course fee required.

### SSED 4323

#### Teaching Mathematics in the Secondary School

Examines both the theory and practice of mathematics instruction in the middle and

secondary schools. Emphasizes instruction, strategies, planning and evaluation. May be substituted for SSED 4320. Ten hours field experience required. Prerequisite: Admission to the educator preparation program and EDUC 3310, EPSY 3340 and EPSY 3350. Course fee required.

### SSED 4324

#### Teaching Science in the Secondary School

Examines both the theory and practice of science instruction in the middle and secondary schools. Emphasizes instruction, strategies, planning and evaluation. May be substituted for SSED 4320. Ten hours of field experience required. Prerequisite: Admission to the educator preparation program and EDUC 3310, EPSY 3340 and EPSY 3350. Course fee required.

## STUDENT TEACHING (EDST)

### EDST 4310

#### Student Teaching

##### in the Prekindergarten / Kindergarten

Open only to students seeking Option IV elementary certification or those seeking the early childhood endorsement. This experience will provide preservice teachers with an opportunity to demonstrate identified competencies in a kindergarten setting. The student will be under the cooperative supervision of a public school teacher and university faculty member. Cardiopulmonary resuscitation (CPR) training is required to be completed before beginning student teaching. Prerequisite: completion of all professional development and elementary methods courses; and lack no more than 6 hours plus student teaching of the total hours required.

### EDST 4320

#### Student Teaching in Special Education

Field-based opportunities for development of competencies in implementing an individual program for exceptional learners. Cardiopulmonary resuscitation (CPR) training is required to be completed before beginning student teaching. Prerequisite: completion of all professional development and EDSP courses; and lack no more than 6 hours plus student teaching of the total hours required. Students seeking elementary certification must have completed all methods courses.

### EDST 4379

#### Student Teaching

##### in English as a Second Language

Experience for prospective teachers to demonstrate identified competencies in the classroom. The student will be under the cooperative supervision of a public school supervisor and an ESL faculty supervisor. Prerequisite: completion of all professional development courses, 24 semester hours of English or Spanish, 12 semester hours of ESL and consent of department chair. Lack no more than six hours plus student teaching of the total hours required.

### EDST 4380, 4381

#### Student Teaching

##### in the Elementary School

The one semester experience will provide preservice teachers with an opportunity to demonstrate identified competencies in an elementary classroom setting. The student will be under the cooperative supervision of a public school teacher and university faculty member. Cardiopulmonary resuscitation (CPR) training is required to be completed before beginning student teaching. Prerequisite: completion of all professional development and elementary methods courses; and lack no more than 6 hours plus student teaching of the total hours required.

### EDST 4390, 4391

#### Student Teaching

##### in the Secondary School

The one semester experience will provide preservice teachers with an opportunity to demonstrate identified competencies in a secondary classroom setting. The student will be under the cooperative supervision of a public school teacher and university faculty member. Cardiopulmonary resuscitation (CPR) training is required to be completed before beginning student teaching. Prerequisite: completion of all professional development courses and lack no more than 6 hours plus student teaching of the total hours required.

## GRADUATE COURSES

Graduate courses are offered in education. See the "Graduate Programs" section for complete listing and descriptions.



## DEPARTMENT OF HEALTH AND KINESIOLOGY

James A. Schwane, chair

The Department of Health and Kinesiology offers studies in the areas of health and kinesiology (the study of movement or exercise). These studies prepare for a variety of careers in the health professions, teaching, clinical exercise programs, and other applied exercise programs. In general, the Department aims (a) to provide students with knowledge and skills specifically required for success in professions or further studies in health and kinesiology, and (b) to cultivate a desire for lifelong learning and provide practice with learning skills that can be used throughout life.

Specific degrees offered are: Bachelor of Science in Kinesiology, Bachelor of Science in Health Professions, Bachelor of Arts in Health and Kinesiology, Master of Education in Health and Kinesiology, Master of Science in Clinical Exercise Physiology, and Master of Science in Kinesiology. In addition, courses may be taken within the Department to satisfy requirements of the Master of Arts or Master of Science Degree in Interdisciplinary Studies. Aims, objectives and requirements of each of the undergraduate degrees are described below in this section of the catalog. The graduate degree programs are described under Health and Kinesiology in the Graduate section of this catalog.

In addition to requirements of the Department of Health and Kinesiology, a student pursuing studies in health or kinesiology should be aware of other requirements that may apply; these are listed in the following sections of this catalog: Undergraduate Academic Policies, including Undergraduate Admission Requirements and General Baccalaureate Degree Requirements; requirements for teacher certification, under Department of Curriculum and Instruction; and Graduate Policies and Programs.

### BACHELOR OF SCIENCE DEGREE IN HEALTH PROFESSIONS

The Bachelor of Science degree program in health professions may be used to prepare for or to advance careers in a variety of health-related professions. Studies are offered to prepare students for teaching health in schools and to prepare students for health professions in the areas of education, leadership, community medical services, and environmental health and/or occupational health and safety.

Upper-division academic credit not to exceed 12 semester hours may be granted to individuals submitting evidence of relevant work experience in an area of health professions. This experience will be validated by a faculty committee and the dean of the School of Education and Psychology. Competency-based examinations and/or other evaluating methods may be used by this committee to determine whether credit should be given.

#### REQUIREMENTS (73 semester hrs.)

	Semester Hrs.
English composition	6
World Literature (effective fall 1998, 6 hours)	3
Speech (effective fall 1998)	3

Philosophy	3
Fine arts (history or appreciation of art, music or theater; not applied courses)	3
U.S. history (survey courses)	6
U.S. government	3
Texas government	3
Mathematics (college algebra or above; calculus recommended)	3
Statistics	3
Computer science	3
Biology	8
General chemistry (with laboratory)*	8*
Anatomy and physiology (with laboratory)	8
Microbiology	4
Elective (fine arts, foreign language, humanities, mathematics, social science)	3
<b>TOTAL</b>	<b>73</b>

\*The requirement of 8 hours of general chemistry is effective beginning with the fall 1998 semester for a student seeking the B.S. degree in health professions who also seeks secondary teaching certification with health as the first or only teaching field.

**NOTE:** Certain of the above requirements will likely have been met by persons who have completed programs leading to licensure or certification in a health profession. Persons licensed or certified in a health profession should consult with an advisor in the Department of Health and Kinesiology to determine specific general education requirements.

#### HEALTH PROFESSIONS CORE (39 semester hrs.)

ALHS 3301	Health Ecology
ALHS 3302	Diseases of Man
ALHS 3350	Health Biometry
ALHS 3360	Community Health Principles
ALHS 3362	Behavioral Medicine
ALHS 4306	The Health Care Delivery System
ALHS 4307	Legislation and Legal Issues
ALHS 4308	Ethics in Health Professions
ALHS 4320	Principles of Epidemiology
ALHS 4328	Sexually Transmitted Diseases
ALHS 4330	Emergency Health Care
HLED 4315	Nutrition in Health and Performance

MANA 3311 Organization Theory and Behavior  
or MANA 3315 Management of Organizations  
or MANA 4300 Health Care Environment

#### SPECIALIZATIONS

##### Nonteaching

With advisor approval the student elects a minimum of 24 semester hours of upper level courses. These courses may be interdisciplinary or may be concentrated in an area that complements the area of health (e.g., business and management, computer science and data management, psychology, technology, political science). Completion of 18 or more hours in one area meets requirements of a minor, with approval of an advisor in that



area.

Total number of semester hours for B.S. degree in health professions with nonteaching specialization: 136.

### Teaching

#### Secondary (Grades 6-12) Health Education Certification (27 semester hours).

A student who seeks certification to teach health in schools at the secondary level with health as the first or only teaching field must complete the following courses. To qualify for student teaching a student must also have a grade point average of at least 2.25 in the specialization courses.

- HLED 4324 Drug Use, Misuse, and Abuse
- HLED 4326 Human Sexuality
- EDUC 3310 The School in the Social Setting
- EPSY 3340 Educational Psychology: Adolescent Development
- EPSY 3350 Educational Psychology: Learning
- READ 4338 Middle and Secondary School Reading
- SSED 4320 Teaching Skills for the Secondary Teacher
- EDST 4390 Student Teaching in the Secondary School
- EDST 4391 Student Teaching in the Secondary School

Total number of semester hours for B.S. degree in health professions with secondary teaching certification with health as the first or only teaching field: 139.

### Other Teaching Options in Health

There are two options for a student to meet requirements to be certified to teach health without obtaining a degree in health professions. These are described below. Additional information about requirements for teacher certification is presented in the Department of Curriculum and Instruction section of this catalog. To qualify for student teaching a student must have a grade point average of at least 2.25 in the specialization courses.

#### Secondary (Grades 6-12) Health Education Certification - Option II (i.e., health as a second teaching field).

A student who seeks certification to teach at the secondary level (i.e., grades 6-12) with health as a second teaching field must complete the following courses, in addition to requirements of the major field.

- Anatomy and Physiology (8 semester hrs.)
- ALHS 3301 Health Ecology
- ALHS 3302 Diseases of Man
- ALHS 3360 Community Health Principles
- ALHS 3362 Behavioral Medicine
- HLED 3362 Consumer Health
- HLED 4315 Nutrition in Health and Performance
- HLED 4324 Drug Use, Misuse, and Abuse
- HLED 4326 Human Sexuality

#### Elementary (Grades 1-8) Health Education Certification - Option II (i.e., health as the second teaching specialization).

A student who pursues the Bachelor of Science degree with a major in interdisciplinary studies may select health as the second specialization for certification to teach grades 1-8. Requirements of the Bachelor of Science degree with a major in interdisciplinary studies are described in the Department of Curriculum and Instruction section of this catalog. To be certified to teach at the elementary level (i.e., grades 1-8) with health as the second specialization, in addition to other degree and certification requirements, the student must complete the following courses.

- Anatomy and Physiology (8 semester hrs.)
- ALHS 3302 Diseases of Man
- ALHS 3360 Community Health Principles
- ALHS 3362 Behavioral Medicine
- HLED 4315 Nutrition in Health and Performance
- HLED 4324 Drug Use, Misuse, and Abuse
- HLED 4326 Human Sexuality

### BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY

The Bachelor of Science degree program in kinesiology may be used to prepare for careers in exercise-related professions, including teaching physical education and various nonteaching options in business and clinical settings. In addition, the B.S. degree program in kinesiology may be used to prepare for graduate and professional studies, such as physical or occupational therapy, clinical exercise physiology, and exercise sciences.

#### Requirements (64 semester hrs.)

	Semester Hrs.
English composition	6
World Literature (effective fall 1998, 6 hours)	3
Speech (effective fall 1998)	3
Philosophy	3
Fine arts (history or appreciation of art, music or theater; not applied courses)	3
U.S. history (survey courses)	6
U.S. government	3
Texas government	3
Mathematics (college algebra or above; calculus recommended)	3
Statistics	3
Computer science	3
General chemistry (with laboratory)*	8*
Anatomy and physiology (with laboratory)	8
EPSY 3350 Educational Psychology: Learning	3
Elective (fine arts, foreign language, humanities, mathematics, social science)	3
<b>TOTAL</b>	<b>64</b>

\*The requirement of 8 hours of general chemistry is effective beginning with the fall 1998 semester for a student seeking the B.S. degree in kinesiology who also seeks all-level physical education teaching certification.



**Specializations****NONTEACHING****Core** (42 semester hrs.)

ALHS 3362 Behavioral Medicine  
 ALHS 4308 Ethics in Health Professions  
 HECC 4333 Computer Applications in Health and Kinesiology  
 HECC 4370 Undergraduate Internship Program  
 HLED 4315 Nutrition in Health and Performance  
 HLED 4317 Theory and Clinical Aspects of Weight Management  
 KINE 3201/3101 Motor Control/Laboratory  
 KINE 3207/3107 Motor Learning/Laboratory  
 KINE 3303 Motor Development  
 KINE 3211/3112 Physiology of Exercise/Laboratory  
 KINE 3233/3134 Biomechanics of Human Movement/Laboratory  
 KINE 4308 Adapted Physical Education  
 KINE 4314 Prescriptive Exercise  
 KINE 4333 Applied Kinesiological Anatomy

**Electives** (28 semester hrs.)

With advisor approval the student elects a minimum of 28 semester hours of upper level courses in natural or behavioral sciences. Completion of 18 or more of these hours in one academic area meets requirements of a minor, with approval of an advisor in that area.

Total number of semester hours for B.S. degree in kinesiology with nonteaching specialization: 134.

**TEACHING****All-Level (Grades 1-12) Physical Education Certification** (72 semester hours).

A student who seeks certification to teach physical education at all levels (i.e., grades 1-12) must complete the following courses. Also, to qualify for student teaching a student must have a grade point average of at least 2.25 in the specialization courses.

Physical Activity Skills (9 semester hours) - 3 semester hours of each of the following:

Body control (e.g., gymnastics, rhythms, swimming)  
 Direct control (e.g., basketball, bowling, volleyball)  
 Indirect control (e.g., golf, racquetball, tennis)

Health and Kinesiology (45 semester hrs.):

ALHS 4308 Ethics in Health Professions  
 HECC 4333 Computer Applications in Health and Kinesiology  
 HLED 4315 Nutrition in Health and Performance  
 KINE 3201/3101 Motor Control/Laboratory

KINE 3207/3107 Motor Learning/Laboratory  
 KINE 3303 Motor Development  
 KINE 3211/3112 Physiology of Exercise/Laboratory  
 KINE 3233/3134 Biomechanics of Human Movement/Laboratory  
 KINE 4308 Adapted Physical Education  
 KINE 4314 Prescriptive Exercise  
 KINE 4333 Applied Kinesiological Anatomy  
 PYED 4337 Care and Prevention of Athletic Injuries  
 PYED 4353 Program Organization and Administration

Two of the following:

HLED 4317 Theory and Clinical Aspects of Weight Management  
 HLED 4324 Drug Use, Misuse, and Abuse  
 HLED 4333 Stress Management

Professional Education (18 semester hrs.):

EDUC 3310 The School in the Social Setting  
 EPSY 3340 Educational Psychology: Adolescent Development  
 ELED 4310 Teaching Skills for the Elementary Teacher  
 READ 4338 Middle and Secondary School Reading (Grades 5-12)  
 EDST 4380 Student Teaching in the Elementary School  
 EDST 4390 Student Teaching in the Secondary School

Total number of semester hours for all-level physical education certification: 136.

**OTHER TEACHING OPTIONS IN PHYSICAL EDUCATION**

There are two options for a student to meet requirements to be certified to teach physical education without obtaining a degree in kinesiology. These are described below. Additional information about requirements for teacher certification is presented in the Department of Curriculum and Instruction section of this catalog. To qualify for student teaching a student must have a grade point average of at least 2.25 in the specialization courses.

**Secondary (Grades 6-12) Physical Education Certification - Option II** (i.e., physical education as a second teaching field)

A student who seeks certification to teach at the secondary level (i.e., grades 6-12) with physical education as a second teaching field must complete the following courses, in addition to requirements of the major field.

Anatomy and Physiology (8 semester hrs.)  
 Physical activity skills (9 semester hrs.) - 3 semester hrs. of each of the following:  
 Body control (e.g., gymnastics, rhythms, swimming)  
 Direct control (e.g., basketball, bowling, volleyball)  
 Indirect control (e.g., golf, racquetball, tennis)

ALHS 4308 Ethics in Health Professions  
 HECC 4333 Computer Applications in Health and Kinesiology  
 KINE 3207/3107 Motor Learning/Laboratory  
 KINE 3211/3112 Physiology of Exercise/Laboratory



## SCHOOL OF EDUCATION AND PSYCHOLOGY

KINE 3233/3134 Biomechanics of Human Movement/Laboratory  
KINE 3303 Motor Development

**Elementary (Grades 1-8) Physical Education Certification - Option II** (i.e., physical education as the first teaching specialization)

A student who pursues the Bachelor of Science degree with a major in interdisciplinary studies may select physical education as a first specialization for certification to teach grades 1-8. Requirements of the Bachelor of Science degree with a major in interdisciplinary studies are described in the Department of Curriculum and Instruction section of this catalog. To be certified to teach at the elementary level (i.e., grades 1-8) with physical education as the first specialization, in addition to other degree and certification requirements, the student must complete the following courses:

Anatomy and Physiology (8 semester hrs.)

Physical activity skills (9 semester hrs.) - 3 semester hrs. of each of the following:

- Body control (e.g., gymnastics, rhythms, swimming)
- Direct control (e.g., basketball, bowling, volleyball)
- Indirect control (e.g., golf, racquetball, tennis)

PYED 3356 Essential Elements in Health and Physical Education  
for Elementary Grades

KINE 3207/3107 Motor Learning/Laboratory  
KINE 3303 Motor Development  
KINE 4308 Adapted Physical Education

## BACHELOR OF ARTS DEGREE IN HEALTH AND KINESIOLOGY

The Bachelor of Arts degree program in health and kinesiology provides exposure to both health and kinesiology and gives flexibility with elective courses to design a program appropriate to career goals.

General Education Requirements (50 semester hrs.)

	Semester Hrs.
English composition and/or grammar	6
World or European literature	3
Philosophy	3
Social science or foreign language	3
Fine and performing arts (history or appreciation of art, music or theater)	3
U.S. history (may include maximum of 3 hrs. of Texas history)	6
U.S. government	3
U.S. and/or Texas government	3
General chemistry (with laboratory)	3
Anatomy and physiology (with laboratory)	8
Mathematics (college algebra or above)	3

## SCHOOL OF EDUCATION AND PSYCHOLOGY

Statistics	3
Computer science	3
<b>TOTAL</b>	<b>50</b>

**Health and Kinesiology Courses** (42 semester hrs.)

	Semester Hrs.
ALHS 3301 Health Ecology	3
ALHS 3302 Diseases of Man	3
ALHS 3360 Community Health Principles	3
ALHS 4306 The Health Care Delivery System	3
KINE 3201/3101 Motor Control/Laboratory	3
KINE 3303 Motor Development	3
KINE 3211/3112 Physiology of Exercise/Laboratory	3
KINE 3233/3134 Biomechanics of Human Movement/Laboratory	3
KINE 4333 Applied Kinesiological Anatomy	3
Health and kinesiology electives (at least three hours of kinesiology; at least six hours of health; at least six hours of upper-division courses)	15
<b>TOTAL</b>	<b>42</b>

**Electives** (33 semester hrs.)

With advisor approval the student elects a minimum of 33 semester hours of upper level courses consistent with career objectives. Completion of 18 or more of these hours in one academic area meets requirements of a minor, with approval of an advisor in that area.

Total number of semester hours for B.A. degree in health and kinesiology: 125.

## Health or Kinesiology as a Minor

Health or kinesiology may be chosen as a minor to satisfy certain bachelor's degree programs with majors in other fields. A minor in health consists of 18 semester hours of health courses, with at least 12 upper-division. A minor in kinesiology consists of 18 semester hours of kinesiology courses, with at least 12 upper-division; in addition, eight semester hours of anatomy and physiology is required. Courses are selected by the student with approval of a faculty advisor in the Department of Health and Kinesiology.



## COURSE DESCRIPTIONS

### ALLIED HEALTH SCIENCE (ALHS)

#### ALHS 3301

##### Health Ecology

Study of the impact of the environment on health, including major topic areas under the broad heading "environmental health." Course fee required.

#### ALHS 3302

##### Diseases of Man

Study of infectious and chronic diseases, their nature and control. Course fee required.

#### ALHS 3350

##### Health Biometry

Study of the analysis of biological, demographic, social and other forms of data related to human health and disease. Course fee required.

#### ALHS 3360

##### Community Health Principles

Study of basic components of community health services and education. Course fee required.

#### ALHS 3362

##### Behavioral Medicine

Study of the effects of various aspects of individual behavior on health, including effects on disease risks and prognosis in selected disease states, and study of behavioral alternatives in relation to promotion of health of the individual. Course fee required.

#### ALHS 4301

##### Allied Health Sciences Seminar

Study of current trends and problems in the allied health sciences. May be repeated once for credit when content changes. May be taken for graduate credit with consent of advisor. Course fee required.

#### ALHS 4306

##### The Health Care Delivery System

A critical analysis of the health care delivery system, with emphasis on multi-disciplinary functions, system effectiveness, and quality standards for health care. Course fee required.

#### ALHS 4307

##### Legislation and Legal Issues

Study of current and pending legislation and legal issues affecting the practice of health care. Course fee required.

#### ALHS 4308

##### Ethics in Health Professions

Study of ethical considerations encountered in health professions, emphasizing a case-study approach. Course fee required.

#### ALHS 4320

##### Principles of Epidemiology

Study of the distribution and determinants of disease prevalence in human populations. Course fee required.

#### ALHS 4328

##### Sexually Transmitted Diseases

Study of AIDS and other prevalent sexually transmitted diseases and infections, including disease-specific pathophysiological, psychosocial, legal, and ethical aspects. May be taken for graduate credit with consent of advisor. Course fee required.

#### ALHS 4330

##### Emergency Health Care

Development of competencies in handling emergency health care needs. Intended for law enforcement officers, health professionals, firemen and others who have leadership roles during individual or group crises. Course fee required.

### HEALTH AND EXERCISE CORE COURSES (HECC)

#### HECC 4333

##### Computer Applications in Health and Kinesiology

Study of use of the computer for tests and measurements in health and kinesiology. Course fee required. Extended computer access fee required.

#### HECC 4370 and 4371

##### Internship

An 8- to 16-week program offering a learning experience in an off-campus environment. Prerequisite: Consent of advisor. Course fee required.

#### HECC 4372

##### Internship Seminar

Seminar on experiences and problems encountered in the internship. Course fee required.

#### HECC 4395

##### Contemporary Issues

##### In Health and Kinesiology

Analysis of selected contemporary controversial problems in the areas of health and human movement, with emphasis on rational development and evaluation of viewpoints. Course fee required.

#### HECC 4099

##### Independent Study

Independent study in specific areas of health and exercise science not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of advisor. Course fee required.

### HEALTH EDUCATION (HLED)

#### HLED 3362

##### Consumer Health

Study of the analysis of health services and products to aid individuals in becoming informed and effective consumers by recognizing both positive and negative services and products. Course fee required.

#### HLED 4315

##### Nutrition in Health and Performance

Study of basic nutrition and the role of nutrition in health across the life cycle. Course fee required. Extended computer access fee required.

#### HLED 4317

##### Theoretical and Clinical Aspects of Weight Management

An overview of factors associated with weight gain and obesity. Designed for the general student and health professional with personal or professional interest in the nutritional, psychological, sociocultural, physical and physiological factors in weight control. A translation of theory into application. Course fee required.

#### HLED 4324

##### Drug Use, Misuse, and Abuse

Study of legal and illegal use, misuse, and abuse of chemical substances that alter structure or function in living organisms. May be taken for graduate credit with consent of advisor. Course fee required.

#### HLED 4326

##### Human Sexuality

Study of the biological, psychological, sociocultural, and ethical aspects of human sexual behavior. May be taken for graduate credit with consent of advisor. Course fee required.



**HLED 4333****Stress Management**

Study of the situations and underlying processes that result in emotional and physiological arousal, including life assessments and behavioral interventions for altering arousal levels. May be taken for graduate credit with consent of advisor. Course fee required.

## KINESIOLOGY (KINE)

**KINE 3201****Motor Control**

Introductory study of neuromuscular involvement in control of movement and performance of motor skills. Corequisite: KINE 3101. Course fee required.

**KINE 3101****Motor Control Laboratory**

Study of laboratory and field analyses of neuromuscular responses related to control of movement and performance of motor skills. Corequisite: KINE 3201. Laboratory fee required.

**KINE 3207****Motor Learning**

Study of the processes involved in acquiring a motor skill. Corequisite: KINE 3107. Course fee required.

**KINE 3107****Motor Learning Laboratory**

Study of measurement techniques related to motor learning and performance. Corequisite: KINE 3207. Laboratory fee required.

**KINE 3303****Motor Development**

Study of growth and physical development throughout different stages of life and the acquisition of neuromuscular control of movement at different levels of development. Course fee required.

**KINE 3211****Physiology of Exercise**

Study of body functions in response to acute and chronic exercise. Prerequisite: credit in anatomy and physiology or substitute with consent of instructor. Corequisite: KINE 3112. Course fee required.

**KINE 3112****Physiology of Exercise Laboratory**

Laboratory assessment of responses to acute and chronic exercise. Corequisite: KINE 3211. Laboratory fee required.

**KINE 3233****Biomechanics of Human Movement**

Study of analysis of human motion based on physical laws and mechanical principles. Prerequisite: Credit in anatomy and physiology or substitute with consent of instructor. Corequisite: KINE 3134. Course fee required.

**KINE 3134****Biomechanics Laboratory**

Study of laboratory and field techniques for analyzing human motion based on mechanical principles. Corequisite: KINE 3233. Laboratory fee required.

**KINE 4308****Adapted Physical Education**

Study of selected disabilities with emphasis on movement characteristics and modification of activities and equipment to permit individuals to engage in leisure and sport activities, particularly in the school setting. Course fee required.

**KINE 4314****Prescriptive Exercise**

Study of principles, guidelines, and procedures for prescribing remedial and preventive exercise programs. Prerequisite: KINE 3211 & 3112. Course fee required.

**KINE 4333****Applied Kinesiological Anatomy**

Study of musculoskeletal involvement in human motion. Course fee required.

## PHYSICAL EDUCATION (PYED)

**PYED 3355****Developmental Games and Activities**

Study of the use of play, games, dance and sport in facilitating motor development. Course fee required.

**PYED 3356****Essential Elements****in Health and Physical Education  
for Elementary Grades**

Study of the state-mandated essential knowledge and skills that must be taught in elementary school health and physical education programs. Course fee required.

**PYED 4337****Care and Prevention of Athletic Injuries**

Study of principles and practice of techniques involved in prevention and treatment of injuries related to athletic performance. May be taken for graduate credit with consent of advisor. Course fee required.

**PYED 4156, 4256****Topics in Motor Performance**

In-depth study of specific motor skills, including such aspects as underlying physiological and mechanical principles, training procedures, skill-development techniques, and instructional methods. May be repeated as topic varies, with up to six hours credited towards degree requirements. May be taken for graduate credit with consent of advisor.

**PYED 4353****Program Organization  
and Administration**

Study of the administration of K-12 health and kinesiology programs. Course fee required.

## GRADUATE COURSES

Graduate courses are offered in health and kinesiology. See the "Graduate Policies and Programs" section for complete listings and descriptions.



## DEPARTMENT OF PSYCHOLOGY

Henry Schreiber, chair

The Department of Psychology offers courses leading to Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science degrees in psychology. Both baccalaureate degrees are acceptable preparation for graduate study in psychology or counseling. (See the graduate section of this catalog for information concerning the master's degree in clinical psychology, counseling psychology and school counseling.)

### OBJECTIVES

Psychology provides students with the opportunity (1) to develop a scientific or objective viewpoint for understanding human behavior, and (2) to achieve a practical basis for working with people. As one of the traditional disciplines in a liberal education in arts and sciences, the undergraduate psychology major is intended to prepare students (1) for employment in a wide range of careers, especially in those jobs which involve human relations and social services in government, business, education, and ministry, (2) for admission to professional schools, or (3) for advanced study in psychology or other disciplines. The objectives of the Department of Psychology are to provide an undergraduate curriculum commensurate with national standards and emphases, and to ensure that students acquire a corpus of basic knowledge and principles in psychology.

### BACHELOR OF ARTS DEGREE REQUIREMENTS IN PSYCHOLOGY

Requirements for the Bachelor of Arts degree in psychology are:

- A. General baccalaureate degree requirements
- B. Twenty-one upper-division semester hours of core psychology courses: PSYC 3301, PSYC 3331, PSYC 3232, PSYC 3354, PSYC 3155, PSYC 4301, PSYC 4311 and PSYC 4321.
- C. At least two of the following three courses: PSYC 3306, PSYC 3315, PSYC 3325.
- D. At least two of the following three courses: PSYC 4318, PSYC 4319, PSYC 4320.
- E. Six or more upper level semester hours of elective psychology courses, upon approval by advisor.
- F. Twenty-one or more upper level semester hours of general elective courses, upon approval by advisor.
- G. Eighteen of the thirty-nine upper level semester hours in psychology, excluding independent study or internship, must be completed at UT Tyler.
- H. ENGL 3390 or other approved courses must be completed with a grade of C or better, or a satisfactory score must be achieved on the College Board's SAT:II Subject Test in Writing or other approved assessment of written language proficiency.

Students who have completed a lower-division introductory psychology course with a grade of B or better may be excused from completing PSYC 3301. To waive this course, students must petition the department chair and must receive a grade of 70 or better on a test of introductory psychology constructed and administered by the psychology faculty. Waiving this course does not waive the requirement of completing a minimum of 39 upper-division credit hours in psychology.

No student may enroll in 4000-level psychology courses in their first semester at UT Tyler without advisor approval. PSYC 3301, PSYC 3354, PSYC 3155 and ENGL 3390 or the SAT:II Subject Test in Writing must be completed before enrolling in 4000 level psychology courses. No correspondence course may apply toward elective or core psychology hours without the prior approval of the department chair. Students are advised to complete a degree plan during their first semester of enrollment.

General elective, upper-division courses in the following areas are strongly recommended: (1) the history of western or world civilizations, (2) cultural and physical anthropology, (3) philosophy, (4) social sciences (5) biological sciences, and (6) computer science.

### BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN PSYCHOLOGY

Requirements and recommendations for the Bachelor of Science degree in psychology are identical to the requirements for the Bachelor of Arts degree in psychology, except that four upper-level, advisor-approved courses in science and/or math must be included among the twenty-one semester hours of upper-level general elective course work.

### SPECIAL OPTIONS

Two curricular options are available for undergraduates with clearly delineated career plans:

#### A. Mental Health Service.

The Mental Health Service option prescribes specific courses and work-related experience for students who intend to enter mental health, human relations, or social service careers with their bachelors' degrees. It is not intended for students who seek to progress to graduate training and state-licensed practice in clinical psychology or counseling, although students who seek certification as substance abuse counselors may pursue appropriate course work within the Mental Health Service Special option.

#### B. Psychological Research Laureate.

The objective of the Psychological Research Laureate option is to provide selected students with enhanced preparation for graduate study in experimental and clinical psychology masters and doctoral programs with rigorous admission standards. It features empirically-based research under the supervision of a faculty preceptor resulting in a senior thesis and psychology course work supplemented by seminal readings.

Admission to a special option is competitive. Application for admission should be made as early as possible and must be made before the senior year. Descriptions of the admission criteria, program requirements, student evaluations, general guidelines and application forms are available through the department office. Students completing an option earn a certificate of completion, a letter from the department chair describing the option for



prospective employers or graduate admissions officers, and a letter from an advisor or preceptor describing their performance and achievement.

## SECONDARY CERTIFICATION IN PSYCHOLOGY

All students wishing to be certified to teach in Texas public schools must complete the Academic Foundations for Certification found in the Department of Curriculum and Instruction section of this catalog. Much of the course work required in the Academic Foundations for Certification also meets general baccalaureate degree requirements in academic degree areas. For further information see an advisor in the Department of Curriculum and Instruction.

Students who seek careers in secondary education and who have majors in other academic areas may use psychology as a second teaching field. Such students must consult an advisor in the Department of Psychology for information regarding required, elective, and transferable courses. The Examination for the Certification of Educators in Texas (ExCET) assesses the subareas of (1) Foundations of Psychology, (2) Human Development, (3) Bases of Behavior, (4) Personality, Psychological Disorders, and Testing and (5) Social Behavior.

PSYC 3301, 3306, 4301, 4311, 4341, 4351

18 hrs.

Other psychology courses or transferred lower-division equivalents

6 hrs.

TOTAL 24 hrs.

## PSYCHOLOGY AS A MINOR

Psychology may be chosen as a minor to satisfy requirements for certain bachelor's degree programs with majors in other fields. The program consists of 18 semester hours in psychology, at least nine of which must be advanced. Students should consult a psychology faculty advisor prior to enrolling in courses intended to count toward the minor.

## COURSE DESCRIPTIONS

### PSYCHOLOGY (PSYC)

#### PSYC 3155

##### Laboratory In Psychological Statistics

Application of computers and statistical software to psychological research methods. Prerequisite: Concurrent enrollment in PSYC 3354. Laboratory fee required.

#### PSYC 3232

##### Laboratory In Experimental Psychology

Features library research and technical writing. Preparation of an original research proposal, oral presentations and critical discussion of experimental design. Corequisite: Concurrent enrollment in PSYC 3331. Laboratory fee required.

#### PSYC 3301

##### Elements of Behavior

An appraisal of the antecedents and determinants of human behavior with special emphasis given to individual differences, motivation, learning, and personality development. This course should be completed as early as possible in the program of study of a student with a major in psychology. Course fee required.

#### PSYC 3306

##### Social Psychology

Theories, methods, and applications of social psychology. Effects of social or group influences on perception, learning, motivation, and the development of attitudes and opinions. Emphasis on conformity, prejudice, aggression, and persuasion techniques. Course fee required.

#### PSYC 3311

##### Psychology of Sex Roles

Examines sex roles from a psychological perspective. Emphasis is on socialization, stereotyping, expectations, and their effects on individuals. Also discussed are traditional roles of men and women, androgyny, sexuality, and assertiveness. Course fee required.

#### PSYC 3315

##### Cognitive Psychology

An examination of the cognitive processes involved in human information processing. Includes the study of memory processes, perceptual systems, thinking, and problem solving. Recommended: Prior completion of PSYC 3301 or equivalent. Course fee required.

#### PSYC 3325

##### Learning and Conditioning

A survey of historical and contemporary associative and cognitive learning theories, and related conditioning principles, as applied to human and non-human animals. Course fee required.

#### PSYC 3331

##### Experimental Psychology

Designed to extend the student's ability to recognize and use typical behavioral research methods and controls. Emphasis will be given to experimental design techniques, evaluation of research articles, writing of journal reports, and statistical procedures used in psychological experiments. Prerequisite: PSYC 3301 and PSYC 3354 or equivalents and concurrent enrollment in PSYC 3232. Course fee required.

#### PSYC 3344

##### Industrial/Organizational Psychology

Consists of a survey of the applications and the factors that affect employee performance and morale in commercial and industrial settings. Course fee required.

#### PSYC 3345

##### Mental Health Services

A survey of the applications of psychology to mental health, human relations, and so-

cial services. Prerequisite: Admission to the mental health service option and consent of instructor. Course fee required.

#### PSYC 3354

##### Psychological Statistics

The application of statistical methods used in psychology. Emphasis will be placed on analyzing psychological data employing analysis of variance, correlation, regression, Chi square, binomial, and selected non-parametric tests or equivalent. Corequisite: Concurrent enrollment in PSYC 3155. Course fee required.

#### PSYC 3356

##### Sensation and Perception

An introduction to vision, audition, olfaction, gustation, somatosensation, pain, signal detection, attention, psychophysical scales, and perceptual processes.

#### PSYC 3360

##### Psychology of Parenting

Examines parent's roles and effects on the growth and life span development of their children. Emphasizes specific parenting styles and practices and their effects on the cognitive and social/emotional development and functioning of children at each stage of life. Note: May be used as a general elective but does not count as a core or elective psychology course. Recommended: A prior course in child or developmental psychology.

#### PSYC 4301

##### Tests and Measurement

An examination of the history of psychological measurement with special emphasis given to the construction, administration, scoring, and interpretation of various psychological tests. Approved for graduate credit. Recommended: Prior completion of PSYC 3301. Course fee required.

#### PSYC 4311

##### Abnormal Psychology

A review of abnormal psychology including clinical syndromes of deviances, etiologies, and treatment tactics. Course fee required.



**PSYC 4318****Physiological Psychology**

Examines research techniques in physiological psychology, and the neurological basis of behavior; special emphasis given to the neurological basis of learning, memory, and abnormal behavior. Recommended: Introductory biology or equivalent. Course fee required.

**PSYC 4319****Psychopharmacology**

To acquaint students with the neurotransmitter systems of the central nervous system and to discuss therapeutic agents which influence these transmitter systems. Recommended: PSYC 4318. Course fee required.

**PSYC 4320****Psychobiology**

A study of behavior from an evolutionary and comparative perspective. Also, topics relevant to understanding behavior are presented from the fields of behavior genetics, sociobiology, ethology, and developmental psychobiology. Course fee required.

**PSYC 4321****The History of Psychology**

Historical developments in psychology with special consideration given to diverse systems or schools of psychology; the rationale and assumptions of divergent systems will be covered. Prerequisite: PSYC 3301. Course fee required.

**PSYC 4341****Personality Theory**

A survey of analytic, phenomenological, field, psychometric, biophysical and behavioristic theories of personality. Course fee required.

**PSYC 4351****Child Development**

The development of the child from conception through adolescence. Emphasis on growth of personality, psychological problems of children, growth of cognitive abilities, the interaction of heredity and environ-

ment, and the child's school, family and peers as positive and negative influences.

**PSYC 4352****Adult Development**

Emphasis on adult development and the aging process. This includes an overview of the cognitive, social, personal and biological features of aging. Recommended: Prior completion of PSYC 4351 or equivalent. Course fee required.

**PSYC 4354****Sexual Victimization Across the Lifespan**

A study of the prevalence and prevention of all types of sexual victimization. Includes forensic, research, and clinical information on rape, child sexual assault, and sexual harassment. Course fee required.

**PSYC 4355****Psychology of Sleep and Dreams**

An introduction to the physiology of sleep and dreaming behavior. Includes sleep disorders, their treatment, and the scoring of dream content. Course fee required.

**PSYC 4360****Topics in Psychology**

Thorough explorations of topics of substantial scholarly interest in psychology. Prerequisite: Senior standing in psychology or consent of instructor.

**PSYC 4370 & 4371****Undergraduate Internship Program**

An 8 to 16 week program offering a learning experience in a laboratory, clinic or other setting. 150 hours of supervised field experience is required for each course. Prerequisite: Consent of advisor.

**PSYC 4099****Independent Study**

Independent study in specific areas of psychology not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## DEPARTMENT OF SPECIAL SERVICES

Ross Sherman, chair

The Department of Special Services offers graduate degree programs in educational administration, reading and special education. Course work in the department also supports programs in curriculum and instruction, health and kinesiology, psychology and technology. An undergraduate specialization is also available in reading or special education along with a major in interdisciplinary studies. Graduate offerings lead to Master of Arts or Master of Education degrees with appropriate certification in educational administration, reading and special education. See the graduate section of this catalog for information concerning degree requirements. Graduate course work is offered in gifted education.

### OBJECTIVES

The Department of Special Services emphasizes individual differences in meeting social and academic needs of learners. Through course work and practicum experiences students are provided opportunities to recognize and identify differences, assess learning problems, and implement activities appropriate for individual learners. Students interested in reading or special education may select that area as a teaching specialization in conjunction with a major in interdisciplinary studies. Students specializing in reading or special education along with teacher certification may enroll in no more than 6 hours of reading or 9 hours of special education prior to admission to teacher education.

### LOWER-DIVISION PREPARATION

The basic academic foundation courses required by the Texas Education Agency for teacher certification approval should be completed at the freshman-sophomore level. Students selecting interdisciplinary studies as a major may select either reading or special education as a specialization. Students seeking secondary education certification may include either reading or special education as a second teaching field.



## READING

### BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN INTERDISCIPLINARY STUDIES AND READING AS AN AREA OF SPECIALIZATION

Students seeking elementary teacher certification may select reading as an area of second specialization in conjunction with a major in interdisciplinary studies. Students seeking secondary teaching certification may select reading as a second teaching field.

#### READING SPECIALIZATION WITH ELEMENTARY CERTIFICATION\*

##### REGULAR PROGRAM

Course requirements for a reading specialization in conjunction with a major in interdisciplinary studies and elementary certification are listed below:

Junior Year		Senior Year	
Semester 1	Semester 2	Semester 3	Semester 4
READ 4350	READ 4337	READ 4366	Student Teaching
READ 4364	READ 4374	READ 4360	

This specialization requires 18 semester hours of course work in reading. Note prerequisites for READ 4374. Portfolios are required of all reading specialization students.

##### PROFESSIONAL DEVELOPMENT SCHOOL PROGRAM (PDS)

Students pursuing elementary certification with reading as their second specialization may apply for the PDS Program. See the Curriculum and Instruction section of this catalog for a complete description of the PDS Program.

#### READING AS A TEACHING FIELD WITH SECONDARY CERTIFICATION\*

Course requirements for a major in a primary academic field and reading as a second teaching field in conjunction with secondary certification are the same as above with the addition of READ 4338 and READ 4371. This program includes 24 semester hours of course work in reading as required by the Texas Education Agency. Note prerequisites for READ 4374. Portfolios are required of all reading specialization students.

Junior Year		Senior Year	
Semester 1	Semester 2	Semester 3	Semester 4
READ 4350	READ 4338	READ 4374	Student Teaching
READ 4337	READ 4360	READ 4371	READ 4364
READ 4366			

\*Teacher education certification requirements are described in the Curriculum and Instruction section of this catalog.

## COURSE DESCRIPTIONS

### READING (READ)

#### READ 4337

##### Reading in the Intermediate School (Grades 4-6)

A study of learner/teacher strategies for the development of vocabulary, comprehension and study skills in content areas specific to grades 4-6. Strategies for class organization and management, including accommodation of students with special needs will be addressed. Ten hours of field experience included. Course fee required.

#### READ 4338

##### Middle and Secondary School Reading (Grades 5-12)

A study of the development of vocabulary, comprehension and study skills associated with middle and secondary schools. Focus is on a content reading lesson, including teacher and learner strategies. Ten hours of field experience included. Course fee required.

#### READ 4350

##### Pre-School and Primary Reading (Grades K-3)

A study of the specific reading needs of children in the pre-school and primary grades. Areas to be stressed include the interactive reading model, emerging literacy, essential knowledge and skills, lesson planning, literature-based and basal reading materials. Five hours of field experience included. Course fee required.

#### READ 4360

##### Reading Materials and Methods

A study of the various materials, curricula, and literature associated with literacy instruction. Essential knowledge and skills within the State language arts framework are addressed. Ten hours of field experience

included. Prerequisite: READ 4350, READ 4364, and concurrent enrollment in READ 4366. Course fee required.

#### READ 4364

##### Classroom Reading Diagnosis and Evaluation

An overview and study of the individual and group diagnostic instruments and techniques used in assessing literacy skills and processes. The application of techniques to school-age clients is required. Course fee required.

#### READ 4366

##### Corrective Reading for the Classroom

A course designed to afford the student opportunity to implement the skills of assessment, prescription, and evaluation in a tutorial setting which utilizes a peer coaching model. Prerequisite: READ 4337, READ 4350, READ 4364 and concurrent enrollment in READ 4360. Course fee required.

#### READ 4371

##### Secondary Reading Internship

A course of supervised experiences in a secondary reading lab or classroom. A minimum of eighty clock hours of experience required. Prerequisite: READ 4337, 4338, 4350, 4360, 4364 and 4366.

#### READ 4374

##### Seminar in Reading

An examination of the literature, issues and research related to the area of reading. Prerequisite: six semester credit hours in reading. Course fee required.

## GRADUATE COURSES

Graduate courses are offered in reading. See the "Graduate Programs" section for complete listings and descriptions.



## SPECIAL EDUCATION

### BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN INTERDISCIPLINARY STUDIES AND SPECIAL EDUCATION AS AN AREA OF SPECIALIZATION

Students seeking elementary teacher certification may select special education as an area of second specialization in conjunction with a Bachelor of Science degree with a major in interdisciplinary studies. Students seeking secondary teacher certification may select special education as a second teaching field along with a major in a primary academic area.

### SPECIAL EDUCATION SPECIALIZATION OR TEACHING FIELD WITH ELEMENTARY OR SECONDARY CERTIFICATION\*

Course requirements in special education in conjunction with elementary (PK-12) or secondary (6-12) teacher certification are listed below:

Junior Year		Senior Year	
Semester 1	Semester 2	Semester 3	Semester 4
EDSP 4350	EDSP 4362	EDSP 4369	Student Teaching
EDSP 4352	EDSP 4363	EDSP 4374	
EDSP 4361	EDSP 4365		

Degree requirements with a major in interdisciplinary studies limit special education course work to 18 semester credit hours. Texas Education Agency certification as a generic special educator requires 24 semester hours. Therefore, 6 semester hours (EDSP 4369 and EDSP 4374) are required for certification and must be completed prior to student teaching.

\*Teacher education certification requirements are described in the Curriculum and Instruction section of this catalog.

## COURSE DESCRIPTIONS

### SPECIAL EDUCATION (EDSP)

#### EDSP 3333 Exceptional Students in the Regular Classroom

A study of academic and social needs of exceptional learners educated in regular settings. Credit not given to students spe-

cializing in special education. Course fee required.

#### EDSP 4350 Survey of Human Exceptionality

An orientation to the field of special education, including the characteristics of exceptional learners birth through age twenty-one. Course fee required.

#### EDSP 4352

##### Language Development and Disorders

A study of infant/child and adolescent development and communication disorders that may affect language and learning. Includes linguistic acquisition, relationships between language and learning, and language disorders. Course fee required.

#### EDSP 4361

##### Learning Disabilities

A study of learning disabilities, including definitions, characteristics, federal and state rules and regulations. Ten hours of field experience included. Course fee required.

#### EDSP 4362

##### Mental Retardation

A study of mental retardation including definitions, characteristics, federal and state rules and regulations. Ten hours of field experience included. Course fee required.

#### EDSP 4363

##### Behavioral Disorders

A study of behavioral disorders and serious emotional disturbance, including definitions, characteristics, federal and state rules and regulations. Ten hours of field experience included. Course fee required.

#### EDSP 4365

##### Assessment in Special Education

A study of assessment and diagnosis of exceptional learners. Includes formal and informal assessment procedures, due process procedural safeguards and parents' rights. Prerequisite: Completion of nine semester hours in special education or consent of instructor. Clinical experience included. Course fee required.

#### EDSP 4369

##### Educational Strategies for Exceptional Learners

A study of techniques and delivery systems used to implement individualized education programs for exceptional learners. Includes consultation techniques and application of the Texas Teacher Appraisal System to special settings. Clinical experience included. Prerequisite: Completion of eighteen se-

mester hours in special education or consent of instructor. Course fee required.

#### EDSP 4374

##### Instructional Programming for Exceptional Learners

A study of the development of individualized education programs, task analysis, data-based instruction, and evaluation of learning outcomes. Examines materials modification, curricula adaptations, and equipment associated with the education of exceptional learners. Prerequisite: Completion of nine semester hours in special education or consent of instructor. Course fee required.

#### EDSP 4099

##### Independent Study

Independent study in specific areas of education of exceptional children not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## GRADUATE COURSES

Graduate courses are offered in special education. See the "Graduate Programs" section for complete listings and descriptions.



## DEPARTMENT OF TECHNOLOGY

W. Clayton Allen, chair

The Department of Technology offers degrees for technically and vocationally oriented students. These are the Bachelor of Science degree in technology, the Bachelor of Science degree in training and development, the Bachelor of Applied Arts and Sciences degree, and the Master of Science degree in technology.

### CERTIFICATION AND ENDORSEMENT

Certifications and endorsements available through the Department of Technology are as follows:

Driver Education Teacher Endorsement  
Industrial Technology Education Teacher Certificate  
Office Education Certificate  
Vocational Industrial Teacher Certificate  
Professional Vocational Counselor Certificate  
Professional Vocational Supervisor Certificate

### BACHELOR OF SCIENCE DEGREE IN TECHNOLOGY

#### OBJECTIVES

The purpose of the technology program is to offer the individual an opportunity to prepare for professional positions in industry and education. This program applies to all types of education related to industry - including industrial technology, industrial safety, industrial distribution, technology systems, trades and industries, and technical professions, with emphasis on skills in the use of tools, machines, and knowledge of industrial methods, processes, and materials.

#### OPTIONS:

##### Industry

- Industrial Technology focuses on supervision, administration, and other leadership positions in industrial production.
- Industrial Safety emphasizes the field of loss management and the procedures for controlling the industrial environment through safety principles, practices and laws.
- Industrial Distribution stresses required skills in purchasing, selling, installing, servicing, storing, and transporting industrial products.

##### Education

- Technology Systems focuses on the requirements of industrial technology education

in secondary schools.

This option provides insight into our industrial society through laboratory experiences and professional development courses.

- Trades and Industries stresses technical knowledge and related industrial information for the purpose of teaching.
- Technical Professions encompasses a wide variety of post-secondary technical programs which require a high degree of technical knowledge.

### LOWER-DIVISION PREPARATION

Students desiring to enter this program should meet the general education requirements. In addition to these requirements, students should have a minimum of 24 semester hours credit or demonstrate equivalent competencies in technical areas at the lower-division level. Examples of these areas are electronics, construction technology, metals technology, power technology, mechanical maintenance, drafting and manufacturing technology. Broad laboratory experiences rather than a single area of specialization are recommended. Applicants should have an associate degree or an approved equivalent.

### BACHELOR OF SCIENCE DEGREE REQUIREMENTS FOR TECHNOLOGY

- General baccalaureate degree requirements (Effective Fall 1998, must include college algebra or above.)
- A minimum of 30 semester hours of approved upper-division courses in the technology program
- A minimum of 18 semester hours of approved upper-division courses in supporting areas
- Additional upper-division electives to complete the minimum 124 hours
- Completion of lower-division technology requirements

### COURSE DESCRIPTIONS

#### TECHNOLOGY (TECH)

##### TECH 3308

##### Machine and Tool Maintenance

Methods, procedures, and practices in the maintenance and repair of machines and tools. Course fee required.

##### TECH 3311

##### Manufacturing Technology

Study of manufacturing technology: management technology, production technology and personnel technology. Course fee required.

##### TECH 3312

##### Industrial Maintenance

Study of procedures basic to the maintenance and operation of industrial facilities. Computer user fee required.



**TECH 3313****Construction Technology**

Designed to acquaint the student with construction systems, materials, equipment, municipal inspections, building codes, related service industries, and problems related to financing construction. Course fee required.

**TECH 3314****Transportation Technology**

Study of transportation systems related to water, land, and aerospace to include both private and public transportation systems. Course fee required.

**TECH 3315****Visual Communication Technology**

Study of processes and materials related to the visual communication industry. Course fee required. Extended computer access fee required.

**TECH 3316****Energy and Power Technology**

Explores the conversion, transmission and control of energy and power systems. Course fee required.

**TECH 3318****Industrial Applications of Personal Computer Technologies**

Study of personal computer applications in modern industry. Emphasis is placed upon an understanding of various applications of personal computer technologies and requirements of specification, installation, and maintenance. Course fee required.

**TECH 3334****Recycling Technology**

Study of the processes of recycling materials, products, and by-products of industry for conservation purposes and for environmental control. Course fee required.

**TECH 3344****Industrial Safety**

Study of safety as it relates to the industrial environment. Emphasis is placed upon accident theory, hazard communication, accident reporting, safety organizations, fire

prevention, environmental stressors and risk analysis. Course fee required.

**TECH 3345****Fixed Systems in Fire Safety**

Identifies various types of fixed fire protection systems in industrial and commercial structures. Emphasizes the uses, requirements, maintenance, and installation specifications according to federal, state, and local regulations. Course fee required.

**TECH 4301****Supervision**

Designed to provide foremen and supervisors the opportunity to acquire knowledge with respect to their relationship to management, employees, unions, and special personnel. Emphasizes activities associated with production, quality control, personnel training, materials, equipment, records and reports. Course fee required.

**TECH 4302****Multiple Technology Systems**

An orientation to organizing multiple activities through study of such areas as production technology, communication technology, and energy technology. Fifteen hours of field experience is included during this course. Course fee required.

**TECH 4303****Fire Loss Control**

Study of techniques in fire prevention through regulations, inflammable materials storage, inspection of premises, fire fighting equipment, maintenance procedures, fire detection systems, and local ordinances relating to fire control. Course fee required.

**TECH 4304****Systems Safety Analysis**

Study of accidents as systematic occurrences. Topics include probability, fault-free analysis and loss controls. Course fee required.

**TECH 4305****Industrial Distribution**

Involves the distribution processes with emphasis placed on competencies in demonstrating industrial tools and equipment. Course fee required.

**TECH 4306****Principles of Technology**

Principles and effective utilization of pre-packaged programs as they relate to technology. Course fee required.

**TECH 4307****Driver Education I**

Study of the safety and driver education curriculum and the teaching techniques for the classroom phase of driver education. May be taken for graduate credit with consent of advisor. Course fee required.

**TECH 4308****Driver Education II**

Study of the proper driving procedures and teaching techniques of the practice phase of driver education. May be taken for graduate credit with consent of advisor. Course fee required.

**TECH 4310****Quality Assurance in Industry**

An analysis and application of quality control concepts to include attribute and variable techniques. Total quality control and variable process analysis will be emphasized as they apply to industry. This is an applied course in which microcomputers will be used to develop industrial control charts and to run statistical industrial process control programs. Course fee required. Extended computer access fee required.

**TECH 4316****Time and Motion Study**

Time and motion studies necessary to analyze industrial operations, ratings, allowances, data, formulas, work samples, and jobs. Course fee required.

**TECH 4317****Computer Integrated Manufacturing**

Study of the application of computer-aided design, computer-aided manufacturing, computer numerical control, robotics, programmable electronic controllers, and communication networks to achieve automated manufacturing. May be taken for graduate credit with consent of advisor. Course fee required. Extended computer access fee required.

**TECH 4320****Job Analysis Techniques**

Provides a systematic procedure for identifying and analyzing tasks related to specific jobs. Course fee required.

**TECH 4321****Product Servicing**

Methods of preventive maintenance and repairing of industrial products.

**TECH 4323****Production Technology**

Applications of assembly-line scheduling, automated systems, quality control, dispatching, inventory control, and product forecasting to production technology.

**TECH 4330****Occupational Safety and Health**

Study of standards, requirements, guidelines, forms, inspection kits, and corrective actions that are described within the Williams-Steiger Occupational Safety and Health Act of 1970. Course fee required.

**TECH 4332****Industrial Environmental Problems**

Study of the industrial environment as it relates to undesirable health conditions that affect employees. Course fee required.

**TECH 4334****Risk Factors in Industrial Hygiene**

Study of risks involved in the handling, use and consumption of natural and man-made chemical agents. Exposure to physical agents, and problems encountered in communicating risks to the public will be addressed. Course fee required.



**TECH 4348****Warehousing**

Concerns organizing, stocking, inventorying, scheduling transporting, packaging, receiving, loss accounting and fire protection for warehouse operation. Course fee required.

**TECH 4150, 4250, 4350****Topics In Industrial Studies**

An organized course designed to provide instruction and guidance by trained resource persons in selected topics related to technology. A maximum of six credit hours may be applied toward an undergraduate degree. Course fee required.

**TECH 4151, 4251, 4351****Topics In Industrial Studies**

An organized course designed to provide instructional guidance by trained resource persons in selected topics related to technology. A maximum of six credit hours may be applied toward an undergraduate degree. Course fee required.

**TECH 4360****Training and Development**

An overview of the training process including methods, training management, performance based objectives, training aids, and evaluation techniques. The design and promotion of workshops, seminars, and short courses is also addressed. Course fee required.

**TECH 4370 and 4371****Undergraduate Internship Program**

An 8 to 16 week program offering for a learning experience in an off-campus environment. Prerequisite: Consent of department chair. Course fee required.

**TECH 4172, 4272, 4372****Seminar In Technology**

An analysis of issues and innovative practices related to technical studies. Computer user fee required for TECH 4372.

**TECH 4099****Independent Study**

Independent study in specific areas of technology not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair. Course fee required.

**GRADUATE COURSES**

Graduate courses are offered in technology. See the "Graduate Programs" section for complete listings and descriptions.

**BACHELOR OF SCIENCE DEGREE  
IN TRAINING AND DEVELOPMENT****OBJECTIVES**

This program is for those individuals who have technical goals oriented toward public schools, community and junior colleges, technical institutes or adult programs. Students satisfying the requirements under this program, who have sufficient trade or industrial experience required by the Texas State Plan of Vocational Education, may be certified in their area of specialization by the Texas Education Agency. This institution is not a certifying agency.

Upper-division academic credit not to exceed 18 semester credit hours may be granted to individuals submitting evidence of relevant work experience in an area of technical specialization. This experience will be validated by a faculty committee and the dean of the school. Competency-based examinations and/or other evaluation methods will be used by this committee to determine if an individual should be given credit.

**LOWER-DIVISION PREPARATION**

Students desiring to enter this program should meet the general education requirements and have a minimum of 24 semester hours in one area of technical specialization at the lower-division.

**BACHELOR OF SCIENCE DEGREE REQUIREMENTS  
IN TRAINING AND DEVELOPMENT**

- A. General baccalaureate degree requirements
- B. A minimum of 24 semester hours of upper-division approved technical courses
- C. A minimum of 18 semester hours of related professional development courses approved by the student's advisor
- D. Additional upper-division electives needed to complete degree requirements

**COURSE DESCRIPTIONS****TRAINING  
AND DEVELOPMENT  
(TNDV)****TNDV 4310****Sponsoring Student Activity Programs**

Introduction to student activity programs including the purpose, organization, role of student, leadership techniques, financing, and program evaluation. May be taken for

graduate credit with consent of advisor. Course fee required.

**TNDV 4311****Principles and Methods  
of Teaching Industrial Subjects**

Study of principles and methods of classroom and laboratory control, teaching, guidance, planning, evaluation, and integrating career oriented programs into education goals. Concurrent enrollment in TNDV 4312 may be required. Course fee required.



**TNDV 4312****Selecting, Organizing and Using Instructional Materials**

Identifying, selecting and using instructional materials, including the development of skill-related lesson plans. Concurrent enrollment in TNDV 4311 may be required. Course fee required.

**TNDV 4313****Technology Laboratory Organization and Management**

Techniques of organizing and managing the technology laboratory. Includes materials handling, the ordering of supplies, record keeping, inventory control, and laboratory plans. Course fee required.

**TNDV 4325****Accident Prevention for Technical Programs**

Principles of safety as they apply to physical plant, machines, hand tools, laboratory layouts, and personnel. May be taken for graduate credit with consent of advisor. Course fee required.

**TNDV 4331****Goals and Objectives of Technical-Vocational Programs**

Concentrates on goals and objectives of technical-vocational education programs described in the state plan for vocational education, allocation of funds, personnel qualification, and program and facility standards. May be taken for graduate credit with consent of advisor. Course fee required.

**TNDV 4332****Course Construction in Technical-Vocational Programs**

Fundamentals of course construction including job and trade analysis to determine the skills and related technical competencies needed in the development of a course of study. May be taken for graduate credit with consent of advisor. Course fee required.

**TNDV 4333****Human Relations for Technical Teachers**

Study of the relationships of the industrial teacher to the administration, students,

other teachers, the school, and community, and to other educational institutions and agencies. Course fee required.

**TNDV 4334****Placement, Visitation, and Follow-up for Technical-Vocational Programs**

Study of the role of the school, program administration, the teacher and the counselor in the placement, visitation and follow-up in technical-vocational education. Course fee required.

**TNDV 4335****Problems in Cooperative Training**

Problems of the coordinator for part-time cooperative programs in diversified occupations. Course fee required.

**TNDV 4340****Instructional Techniques for Office Education**

Study of curriculum, instructional development, and strategies unique to Office Education courses in secondary public schools. Course fee required.

**TNDV 4341****Organization and Management of Office Education**

Study of the organization and management techniques needed in teaching Office Education courses in secondary public schools. Course fee required.

**TNDV 4370 & 4371****Undergraduate Internship Program**

An eight to 16 week program providing for a teaching experience in an off-campus environment. Prerequisite: Consent of department chair. Course fee required.

**TNDV 4099****Independent Study**

Independent study in specific areas of technical-vocational education not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair. Course fee required.

**GRADUATE COURSES**

Courses leading to graduate degrees are offered in training and development. See the "Graduate Programs" section for complete listings and descriptions.

**BACHELOR OF APPLIED ARTS AND SCIENCES DEGREE**

The Department of Technology offers the Bachelor of Applied Arts and Sciences degree. This degree program has been identified with the "inverted curriculum." It gives primary consideration to areas of emphasis meeting the educational and career goals of community and junior colleges. Only students who have specialized at the junior college or community college level in technical or vocational studies and desire to continue in their pursuit of a degree may follow a program leading to the Bachelor of Applied Arts and Sciences degree. The courses which lead to the degree may differ from student to student, making it possible to customize the degree program to fit a student's needs.

**OBJECTIVES**

The purpose of this program is to provide opportunities for those individuals planning to enter the technical or vocational occupations, or for those who have already entered the technical or vocational occupations but have decided that additional educational preparation will strengthen their previous training and improve career advancement opportunities.

**BACHELOR OF APPLIED ARTS AND SCIENCES DEGREE REQUIREMENTS**

- A. General baccalaureate degree requirements
- B. Nine semester hours in communication chosen from the following courses or approved substitutions:
  - JOUR 3375 Public Relations
  - JOUR 3380 Communications Technology
  - JOUR 3390 Technical Communication
  - SPCH 3320 Interpersonal and Small Group Interaction
  - SPCH 3325 Persuasive Communication
  - SPCH 4320 Communication in Human Relations
  - SPCH 4330 Techniques of Interviewing
- C. A total of 12 upper-level semester hours from courses within the following disciplines as approved by a student's advisor:
 

Economics	Mathematics
English	Political Science
Foreign Language	Psychology
History	Sociology
Journalism	Speech
- D. An area of emphasis, consisting of 18 hours of upper-level work in a discipline as approved by a student's advisor



This requirement is in addition to those in B and C above. An area of emphasis in the B.A.A.S. does not constitute a major in an academic discipline.

- E. A total of 12 semester credit hours of TECH or TNDV courses
  - F. Additional upper-division electives to complete minimum degree requirements
- Upper-level academic credit not to exceed 18 semester credit hours may be granted to individuals submitting evidence of relevant work experience in an area of technical specialization. This experience will be validated by a faculty committee and the dean of the school. Competency-based and/or written exams and other evaluation methods will be used by this committee to determine if an individual should be given credit, and also the number of hours credit.

# SCHOOL OF LIBERAL ARTS

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**Stephen R. Lefevre, dean**

The School of Liberal Arts offers baccalaureate degrees with majors available in art, criminal justice, economics, English, history, journalism, music, political science, sociology, Spanish, speech communication, and theatre. Students who do not wish to specialize in a single academic discipline may also consider the Bachelor of General Studies degree, administered by the School of Liberal Arts. The school also offers courses to be used in satisfying teacher certification requirements for teaching fields in art, English, history, journalism, language arts, music, political science, social studies, sociology, Spanish, speech communication, and theatre. Courses leading to an undergraduate endorsement in English as a Second Language (ESL) are also available. Graduate offerings, intended primarily for use in the Master of Arts degrees in English and history, the Master of Public Administration degree, the Master of Arts and Master of Science degrees in interdisciplinary studies, and a graduate endorsement in English as a second language, are described in the graduate section of this catalog.

## LIBERAL ARTS CORE REQUIREMENTS

Students who major in the liberal arts must complete the university general baccalaureate degree requirements (See Undergraduate Academic Policies section of this catalog.) and one additional survey course in literature (3 hrs.). Students should attempt to complete the core requirements prior to enrollment at this institution. Students may also satisfy the foreign language requirement by passing a written examination approved by the foreign language faculty.

## HONORS PROGRAM

Undergraduates in disciplines of the arts and sciences with distinguished academic records may be eligible for participation in the Honors Program. The program is built around a series of three-credit-hour seminars, each seminar being an interdisciplinary study of a specific theme or issue in the arts and sciences. The seminars are intensive studies involving readings, discussions, and written and oral presentations. Typically, university faculty from a number of disciplines, along with visiting scholars, are involved. The program is designed to enrich the curriculum of students majoring in the natural and physical sciences, humanities, social sciences, and the arts. To be considered, the student must ordinarily be a full-time undergraduate and have maintained a minimum grade-point average of 3.2 in all college work. Participating students are required to give continued evidence of high scholastic achievement while in the program.

Admission to the program is gained by student application or by faculty nomination. Students are admitted to the program each semester. Interested students should contact a member of the Faculty Honors Committee. Honors Program students enroll in the following course each semester.



**HONS 4300 Honors Seminar**

Honors seminars in the arts and sciences include such topics as the creative process, form and human expression, and challenges to man's future. Up to 12 semester hours may be applied to a degree.

## BACHELOR OF GENERAL STUDIES DEGREE REQUIREMENTS

Students who enter the university and desire a broad arts and sciences degree without the restrictions of a traditional major may elect to pursue the program leading to the Bachelor of General Studies. Instead of a traditional major, the B.G.S. student must take 15-21 upper-division hours in an area of emphasis. The remaining upper-division hours are distributed among humanities and fine arts; language; communication; social and behavioral sciences; natural sciences, mathematics, and computer science; and free electives.

Requirements are as follows:

- A. General baccalaureate degree requirements and liberal arts core requirements  
These must be in addition to the arts and sciences core requirements, item C below.
- B. An area of emphasis, consisting of a minimum of 15 upper-division hours and a maximum of 21 upper-division hours in a discipline as approved by the student's advisor. Courses taken to fulfill the arts and sciences core requirements, item C below, may be applied to the area of emphasis. An area of emphasis in the B.G.S. does not constitute a major in an academic discipline.
- C. Arts and sciences core requirements  
Twenty-four upper-division hours, as follows:
  - Humanities and fine arts (6 hrs.): from English literature; European or world history; history/appreciation of art, music, theatre; or philosophy
  - Language (6 hrs.): from ENGL 3375, 3385, 3390, or foreign language
  - Communication (3 hrs.): from JOUR 3301, 3390, 4310; SPCM 3320, 3325, 4315, 4230, 4330, or 4331
  - Social and behavioral sciences (6 hrs.): from anthropology, economics, geography, political science, psychology, or sociology
  - Natural sciences, mathematics, and computer science (3 hrs.): from biology, chemistry, computer science, or mathematics

Students desiring to pursue this degree program should contact an advisor in the Office of the Dean of the School of Liberal Arts.

## MINOR IN INTERNATIONAL STUDIES

### Requirements and curriculum:

The program in international studies is designed as an across-campus minor, with incoming juniors combining the program with various majors offered at the university. The goal of the program is to increase the global awareness and cross-cultural sensitivity of graduates who as future professionals and citizens will live and work in an increasingly interdependent world. Students may focus on one of the three world regions: Latin America, Europe, or Asia.

The minor in international studies is an 18 SCH program consisting of 1) a required core course, 2) one or two courses of upper-division directed electives dealing with global issues, 3) two courses in the world area of concentration, and 4) a travel-study course. If

a student chooses not to concentrate in a world area, 9 SCH must be taken from the list of directed electives. Courses taken to fulfill requirements for a major cannot be applied to the minor.

Foreign language requirement: Each student taking a minor in international studies must complete 6-8 SCH of instruction in a modern foreign language before graduation. It could be French, German, Spanish, or a language related to the chosen world area of concentration. Instead of coursework, a student may choose to take a proficiency examination in a foreign language in order to demonstrate speaking/reading mastery.

## CURRICULUM

- A. **Core course:** Since students will enter the international studies program with widely different backgrounds and will concentrate on different areas of the world, this seminar will offer a "rounding off" experience.

INTS 3300: Global Relations and Issues

3 SCH

Multidisciplinary in character, the course draws and integrates material from various academic disciplines utilizing a holistic, cultural approach. The goal is to help students achieve an awareness of the relatedness of issues in the "global village". They should understand better how different disciplines take varying approaches in dealing with similar global issues, such as "New World Order", population growth, hunger, warfare, environmental problems and global communication. Course fee required.

- B. Directed Electives: one or two upper-division courses selected from the following list 3-6 SCH

ANTH 4360: Topics in Anthropology: Culture and Development  
 ART 3341: Art and Society: Ancient to Medieval  
 ART 3342: Art and Society: Renaissance to Modern  
 ART 4342: Non-Western Art  
 BIOL 3431: Environment and Man  
 BIOL 4304: Biogeography  
 ECON 3305: Comparative Economic Systems  
 ECON 4330: International Trade  
 FINA 4350: International Finance  
 GENB 4310: International Business  
 GEOG 3310: World Regional Geography  
 HIST 3301: World Civilizations  
 JOUR 4350: World Communication Systems  
 POLS 3310: International Relations  
 SOCI 3321: Multi-Cultural Studies  
 SOCI 3380: Population Problems  
 SPCM 4331: Intercultural Communication

- C. Concentration area: at least two upper-division courses in one selected world area

6 SCH

### Asia

FORL 4099: Japanese Language  
 HIST 4393: Japanese Civilization



HIST 4394: Chinese Civilization  
 HIST 4395: Modern Middle East  
 PHIL 4330: Comparative Religious Philosophy

**Europe**

ART 4343 - 4347: Greek and Roman, Medieval, Renaissance, Baroque and Rococo, and Nineteenth-Century Art  
 ART 4349: Twentieth-Century Art  
 ENGL 3340: World Literature Through the Renaissance  
 ENGL 3345: World Literature Since the Renaissance  
 HIST 3352- 3359: Renaissance, Reformation, Early Modern, Revolutionary, Nineteenth- and Twentieth-Century Europe  
 HIST 3392: Modern Germany  
 HIST 3395: History of Russia  
 POLS 3372: Politics of Russia and the CIS  
 POLS 3375: European Political Systems  
 SPAN 4331: Hispanic Culture and Civilization

**Latin America**

GEOG 4325: Latin American Geography  
 HIST 4391: Colonial Latin America  
 HIST 4392: Modern Latin America  
 POLS 3380: Politics of Latin America  
 SPAN 4331: Hispanic Culture and Civilization  
 SPAN 4365: Modern Latin-American Literature

- D. Travel-Study Experience: students should complete 3-6 SCH in a UT Tyler approved travel-study course during their junior or senior year. For those choosing a world area of concentration, the travel-study experience should be located in that area. 3-6 SCH

Such travel-study courses might include: BIOL 4661: Field Biology; COSY 4301,4601: Comparative Educational Systems; EDUC 5630: Comparative International Education; ENGL 4668: Literary Settings and Influences; HIST 4368, 4668: Field Experience in History.

TOTAL: 18 SCH

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## DEPARTMENT OF ART

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James Robert Pace, chair

The Department of Art offers the following degree programs:

- (1) B.A., emphasis in art education, art history and studio art.
- (2) B.F.A., emphasis in art education and studio art.

The department also participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies with emphasis on studio art.

Teacher preparation programs with art specializations are also offered by the university under the Bachelor of Science degree with a major in Interdisciplinary Studies.

The prospective major in art should be aware of marked differences in emphasis among the various degree programs. B.A. degree programs emphasize broad university education with art specialization in the supporting role. Consistent with this orientation, the B.F.A. degree programs emphasize the creative disciplines of studio art and art education for the professional development of individual creative talent. Students preparing for careers in art should pursue their specializations in relevant post baccalaureate degree programs.

**OBJECTIVES**

The Department of Art offers courses for the professionally oriented person and for those who wish an opportunity to expand their knowledge and abilities in art. Its curriculum and mode of operation bear some resemblance to that of a professional art school, with a broad base of liberal arts education.

Its primary function within the framework of the university is to offer a strong program designed to provide students with the opportunity to prepare for life in one's own cultural setting by acquiring the means and the desire to continually enlarge intellect and deepen insights; the opportunity to accumulate a store of information and to stimulate one to work with information in a manner conducive to subsequent learning; and the opportunity to encourage one to order individual affairs and those of society with the talent, insight and discrimination which one develops.

**LOWER-DIVISION PREPARATION**

The department recommends that students pursuing art as a major complete at least eighteen (18) semester hours of fundamental art at the freshman-sophomore level, including six semester hours in drawing, three semester hours in two-dimensional design, three semester hours in three-dimensional design, and six semester hours in art history survey.

**BACHELOR OF ARTS DEGREE REQUIREMENTS IN ART**

- A. General baccalaureate degree requirements
- B. Liberal arts core requirements
- C. A minimum grade of "C" in each course in the major
- D. A minimum of 36 hours of art, 24 of which must be upper-division, and at least nine



of which must be taken at this university

1. art history emphasis
  - a. ART 3340 and additional upper-division art history\*\*\* 15 hrs.
  - b. Upper-division studio art electives 9 hrs.
  - c. additional art 12 hrs.
  - TOTAL 6 hrs.**
2. studio art emphasis
  - a. ART 3320, ART 3321, ART 3300, and ART 3340\* 12 hrs.
  - b. Upper-division studio art electives 6 hrs.
  - c. Upper-division art history\*\*\* 6 hrs.
  - d. ART 4192\*\* 1 hr.
  - e. additional art 12 hrs.
  - TOTAL 37 hrs.**
3. art education emphasis with all-level certification
  - a. ART 3320, ART 3321, ART 3300, and ART 3340\* 12 hrs.
  - b. ART 3315, ART 3379, ART 3366, ART 3376 and ART 3356 or ART 3384 15 hrs.
  - c. Upper-division studio art elective 3 hrs.
  - d. Upper-division art history\*\*\* 6 hrs.
  - e. ART 4192 1 hr.
  - f. additional art 12 hrs.
  - TOTAL 49 hrs.**
  - g. Prescribed professional education courses for teacher certification

\*To be taken in the first 30 hours

\*\*To be taken senior year

\*\*\* Upper-division art history excludes ART 3341 & 3342

E. Four semesters with a minimum of 12 semester hours of an approved foreign language

F. A minor of at least 18 hours, six of which must be upper-division, chosen from a discipline of the fine arts or humanities or a related field of study chosen in consultation with the student's advisor

## ADMISSION TO THE BACHELOR OF FINE ARTS PROGRAM

Students wishing to pursue the B.F.A. program of study must, within the first nine (9) hours of course work at UT Tyler, submit a portfolio to the Faculty Review Committee. Upon approval from the Review Committee students will be admitted and complete a B.F.A. degree plan with the undergraduate advisor. If students are denied entry into the B.F.A. degree program, they may submit another portfolio after nine hours but before 18 hours of completed coursework at UT Tyler. If students are denied entrance the second time, they may pursue the B.A. degree or reapply for entrance to the B.F.A. degree program at a later date with the consent of the Faculty Review Committee. (Note: If not admitted to the B.F.A. program, studio course work done after the 18 hour review will not apply toward the B.F.A.)

## BACHELOR OF FINE ARTS DEGREE REQUIREMENTS IN ART

- A. General baccalaureate degree requirements
- B. Liberal arts core requirements
- C. A minimum grade of "C" in each course in the major
- D. Submission of a portfolio, within the first nine (9) hours of course work at U. T. Tyler, to the Faculty Review Committee, and the approval of that committee. (See "Admission to the Bachelor of Fine Arts Program" above.)
- E. Seventy hours of art, 52 of which must be upper-division, and at least 25 of which must be taken at this university as follows:
  1. studio Art Emphasis
    - a. ART 3320, ART 3321, ART 3300, and ART 3340\* 12 hrs.
    - b. Upper-division art history \*\*\* 9 hrs.
    - c. Upper-division art electives \*\*\* 30 hrs.
    - d. ART 4192\*\* 1 hr.
    - e. additional art 18 hrs.
    - TOTAL 70 hrs.**
  2. art education emphasis with all-level certification
    - a. ART 3320, ART 3321, ART 3300, and ART 3340\* 12 hrs.
    - b. ART 3315, ART 3379, ART 3366, ART 3376, and ART 3356 or ART 3384 15 hrs.
    - c. Upper-division art history\*\*\* 6 hrs.
    - d. Upper-division art electives\*\*\* 15 hrs.
    - e. additional art (including ART 4192) 18 hrs.
    - TOTAL 66 hrs.**
  - f. prescribed professional education courses for teacher certification

\*To be taken in the first 30 hours

\*\*To be taken senior year

\*\*\*Upper-division art history or upper-division art elective excludes ART 3341 & 3342

## ART AS A MINOR

Art may be chosen as a minor to satisfy bachelor degree requirements in other fields. This program requires a total of 18 hours in art, nine of which must be advanced. Courses are selected in consultation with a member of the art faculty.

## TEACHER CERTIFICATION

In order to be certified to teach art in the public schools in Texas, the student must meet state certification requirements. Professional education courses to meet these requirements are offered by the School of Education and Psychology. For those requirements, consult the School of Education and Psychology section of this catalog. Candidates for elementary teaching certificates should pursue the Bachelor of Science degree in interdisciplinary studies or a standard academic major related to the Texas public school curriculum. Candidates for all-level certification to teach art should pursue the studio art emphasis with all-level certification track of the B.A. or B.F.A. as outlined above.



## ELEMENTARY TEACHING SPECIALIZATION

## A. Art as a first teaching specialization

A minimum grade of "C" in art courses as follows:

lower-division art

ART 3315

Upper-division art electives selected in consultation with an art education advisor

9 hrs.

3 hrs.

9 hrs.

TOTAL 21 hrs.

9 hrs.

## B. Art as a second teaching specialization lower-division art

ART 33153 hrs.

Upper-division art electives selected in consultation with an art education advisor

6 hrs.

TOTAL 18 hrs.

## COURSE DESCRIPTIONS

Regardless of the class for which the student registers, art students should plan to budget time for at least three clock hours per week of involvement for each semester hour credit. Classes in the Department of Art are organized in two ways, depending on the subject matter of the course. Lecture classes meet for three clock hours per week for one semester. Studio classes require six clock hours per week in the studio.

## ART (ART)

## ART 3300

**Composition and Design Analysis and synthesis of art forms.**

Experimental problems in form, space and color. May be repeated once for credit. Course fee required.

## ART 3315

**Essential Elements of Art**

A course emphasizing art activities and skills of children from the scribbling through the preadolescent stages of development. Course fee required.

## ART 3320

**Life Drawing I**

An advanced course in drawing with emphasis on figure representation for students working toward maturity and individuality in graphic expression. May be repeated once for credit. Course fee required.

## ART 3321

**Life Drawing II**

A continuation of ART 3320 with attention given to various mixed media. May be repeated once for credit. Course fee required.

## ART 3325

**Advertising Art**

The study and execution of graphics for the fields of advertising and merchandising design. May be repeated once for credit.

## ART 3330

**Art in Contemporary Living**

Fundamentals in interior design. Art principles, color theory, traditional and modern materials, furnishing, and paintings as applied to interiors today. May be repeated once for credit.

## ART 3340

**Aesthetics in Visual Learning**

Stresses necessary skills in assessing the visual arts including a knowledge of the elements and processes of art, the ability to analyze a work of art, and an exposure to

critical thinking about the nature of art. Course fee required.

## ART 3341

**Art and Society:**

Ancient to Medieval A study of painting, sculpture and architecture from antiquity through the medieval era with particular emphasis on societal circumstances which helped to form artistic evolution. Course fee required.

## ART 3342

**Art and Society: Renaissance to Modern**

A study of painting, sculpture and architecture from the Renaissance to the 20th century with particular emphasis on societal circumstances which helped to form artistic evolution. Course fee required.

## ART 3356

**Three Dimensional Design**

An advanced design course offering expanded sculptural design experience. Experimental problems include exploration form, volume, space and time. Course fee required.

## ART 3366

**Painting**

A study of various painting materials, mediums, applications, scales, and presentation. May be repeated once for credit. Course fee required.

## ART 3376

**Intaglio/Relief**

Studio practice in methods of intaglio, relief, collographic printmaking. Technical development will be emphasized. May be repeated once for credit. Course fee required.

## ART 3377

**Lithography**

Studio practice of lithographic printmaking methods. Technical development will be emphasized. May be repeated once for credit. Course fee required.

## ART 3379

**Ceramics**

A survey of issues and concepts in contemporary ceramic art. Introduction to techniques of throwing, hand building, and extruding of clay shapes used by contemporary ceramists. May be repeated once for credit. Laboratory fee required.

## ART 3380

**Ceramics**

Sculpture Introduction to methods and practices used in contemporary ceramic sculpture. Special emphasis on clay additive, subtractive and carving methods. May be repeated once for credit. Course fee required.

## ART 3384

**Sculpture**

A studio study in the techniques of sculpture emphasizing the use of the various tools available to the sculptor. Modeling, welding, casting, and fabrication techniques. May be repeated once for credit. Course fee required.

## ART 4311

**Advanced Painting**

Advanced work in permanent media using various styles and techniques of artistic expression. Prerequisite: introduction to painting or consent of instructor. May be repeated once for credit. Course fee required.

## ART 4320

**Advanced Drawing**

Advanced work in representation through drawings using a variety of styles and techniques as well as subjects. Prerequisite: introduction to drawing or consent of instructor. May be repeated once for credit. Course fee required.



**ART 4331**  
**Aquamedia**

Emphasis is placed on landscape and imaginative painting which experiments in the opaque and transparent techniques of watercolor and acrylics. The development of an individual style for the artist through creative thinking is encouraged. May be repeated once for credit. Course fee required.

**ART 4337**  
**Advanced Painting Techniques**

Advanced study in various painting media and modes of expression with emphasis upon artistic individuality. May be repeated once for credit. Course fee required.

**ART 4342**  
**Non-Western Art**

A study of arts and crafts outside the Western tradition including Oriental, African, Native American and/or Oceanic cultures. May be repeated once for credit with consent of advisor when content changes. Course fee required.

**ART 4343**  
**Greek and Roman Art**

A study of architecture, sculpture, and painting from Aegaen art to the fall of the Roman Empire. Course fee required.

**ART 4344**  
**Medieval Art**

A study of the development of architecture, sculpture, and painting from the Early Christian through the Gothic periods. May be repeated once for credit with consent of advisor when content changes. Course fee required.

**ART 4345**  
**Renaissance Art**

The art of Renaissance Europe: architecture, painting, and sculpture in Northern and Southern Europe from 1300 to 1600. Course fee required.

**ART 4346**  
**Baroque and Rococo Art**

Art in Europe from 1600 to 1790: painting, sculpture and architecture with attention given to the effects of the Counter-Reformation, the rise of divine right, and the circumstances leading to the French Revolution. Course fee required.

**ART 4347**  
**Nineteenth-Century Art**

A study of painting, sculpture and architecture in Europe from 1790 to 1890. The course will consider movements in the visual arts from Neo-Classicism to Post-Impressionism. Course fee required.

**ART 4348**  
**Art in America**

A survey of American art: architecture, sculpture, painting, and the minor arts within the continental United States from prehistoric times to the present. May be repeated once for credit with consent of advisor when content changes. Course fee required.

**ART 4349**  
**Twentieth-Century Art**

Painting, sculpture and architecture in the twentieth century with special attention given to avant-garde movements such as Cubism, Dada, Surrealism, Abstract Expressionism, Pop and Op. Course fee required.

**ART 4368, 4668**  
**Field Experience in Art**

On-site examination of monuments of art and architecture, field investigation, archival research or studio practice involving travel away from campus. Classroom lectures, seminars or faculty supervision will complement the travel and field experiences. No more than six semester hours of travel/study courses may be applied to the major or teaching field requirements in art.

**ART 4370 & 4371**  
**Undergraduate Internship Program**

An 8 to 16 week program providing for a learning experience in an off-campus environment. Prerequisite: Consent of department chair.

**ART 4373**  
**Advanced Drawing Problems**

A studio course that emphasizes the experimental use of media, the development of concepts, and an individual approach to imagery, form and expression. Course fee required.

**ART 4376**  
**Advanced Intaglio/Relief**

Advanced study of intaglio, relief, and collographic printmaking. Artistic development will be emphasized. May be repeated once for credit. Course fee required.

**ART 4377**  
**Advanced Lithography**

Advanced study of lithographic printmaking methods. Artistic development will be emphasized. May be repeated once for credit. Course fee required.

**ART 4379**  
**Advanced Sculpture**

Advanced studio studies in various media of sculpture with emphasis upon artistic individuality. May be repeated twice for credit. Laboratory fee required.

**ART 4380**  
**Advanced Ceramics**

Advanced studies in ceramic art with emphasis on kiln firing, throwing, clay and glaze formulation. Development and refinement of design with further examination of contemporary ceramic art issues. May be repeated once for credit. Course fee required.

**ART 4381**  
**Advanced Ceramic Sculpture**

Kiln firing, clay and glaze formulation for sculpture applications. Development of design, spatial relationship, form and content are encouraged. Prerequisite: ceramics, sculpture or consent of instructor. May be repeated once for credit. Course fee required.

**ART 4390**  
**Selected Topics in Art**

Advanced studies in studio art or art history to include areas such as graphic design, fine

art photography, crafts or seminar-based topics. May be repeated for credit when content varies with consent of advisor.

**ART 4192**  
**Senior Exhibition**

Practicing methods and procedures in organizing exhibitions. Students will assemble and present for approval an exhibition of their work. Course fee required.

**ART 4099**  
**Independent Study**

Independent study in specific areas of art not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in art. See "Graduate Programs" section for complete listings and descriptions.



## DEPARTMENT OF HUMANITIES

Roger K. Anderson, chair

The Department of Humanities offers courses leading to undergraduate degrees in English, history, and Spanish; teaching specializations in English, history, language arts, social studies, and Spanish; and an endorsement in English as a Second Language (ESL). The department also provides elective courses in English, French, German, history, philosophy, and Spanish; advanced independent study courses in other foreign languages; and supplementary programs for undergraduates who major in other disciplines. At the graduate level, the department offers the Master of Arts degrees in English and history, and participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies. Also available are courses leading to an endorsement in English as a second language.

## ENGLISH

### OBJECTIVES

The English program seeks to graduate students who have mastered the principles of grammar and composition, who have a sound knowledge of the development of literature and intellectual culture, and who have the ability to interpret individual literary works intelligently. Programs are designed for students preparing for careers in a variety of fields including elementary, secondary and higher education; journalism; communications; advertising; social work; theology; law; and government.

### LOWER-DIVISION PREPARATION

Recommended lower-division preparation for English majors includes the courses specified in the liberal arts core requirements as well as four semesters of a foreign language.

### OPTIONS:

- A. B.A. in English: six hours from the Liberal Arts core requirements, 30 hours as specified, 18 hours in a minor, and four semesters of a foreign language
- B. Minors in English and English as a second language: 18 hours for each program
- C. Elementary teacher certification: first specialization, 24 hours; second specialization, 18 hours, 9 of which must be advanced
- D. Secondary teacher certification:
  1. English as a single teaching field or as the first of two teaching fields: B.A. in English and prescribed education courses
  2. English as the second of two teaching fields: 36 hours in English as specified and prescribed education courses
  3. English as a component in "language arts composite teaching fields: 30 hours

in English, 33 hours in other specified language arts disciplines, and prescribed education courses

- E. Endorsement in English as a Second Language (ESL): twelve hours of approved courses, three hours of student teaching, and an elementary or secondary teaching specialization

## BACHELOR OF ARTS DEGREE REQUIREMENTS IN ENGLISH

- A. General baccalaureate degree requirements
- B. Liberal Arts core requirements
- C. A minimum grade of "C" in English courses
- D. Thirty hours as specified below, including at least 12 hours at this university:
 

1. composition, grammar, history of English, nature of language ENGL 3390 and either 3375, 3385 or 4376	6 hrs.
2. English literature before 1800 from ENGL 4300, 4305, 4310, 4315	6 hrs.
3. English Literature after 1800 ENGL 4320, 4325, 4330, 4335	6 hrs.
4. American literature ENGL 4345, 4350, 4355	6 hrs.
5. world literature from ENGL 4395, THTR 3329, THTR 3330	3 hrs.
6. senior seminar ENGL 4397	3 hrs.
- E. Four semesters of an approved foreign language; the student may also complete this requirement by passing a written examination approved by the foreign language faculty
- F. A minor of at least 18 hours in a related discipline chosen in consultation with the student's advisor  
Because requirements vary, students should consult relevant sections of the catalog to determine exact requirements for the minor in a particular discipline. At least six hours in the student's minor must be taken at this institution.

## MINOR IN ENGLISH OR ENGLISH AS A SECOND LANGUAGE (ESL)

English may be chosen as a minor to satisfy bachelor's degree requirements in other fields. This program requires a total of 18 hours in English, 12 of which must be advanced. Courses are selected by the student in consultation with a member of the English faculty. The minor in English as a second language requires 12 hours in English and six hours in multi-cultural studies or foreign language.

## TEACHER CERTIFICATION

Candidates for elementary teaching certificates should pursue the Bachelor of Science degree in interdisciplinary studies or a standard academic major related to the Texas public school curriculum. Candidates for secondary teaching certificates should pursue a standard academic major. For other certification requirements, consult the "School of Edu-



cation and Psychology" section of this catalog.

### ELEMENTARY TEACHING SPECIALIZATION

- A. English as a first teaching specialization  
A minimum grade of "C" in English courses as specified below:
- |   |        |
|---|--------|
| lower-division literature survey            | 6 hrs. |
| ENGL 3375, 3385, 3390, or 4376              | 3 hrs. |
| ENGL 3330, THTR 3320, or THTR 4321          | 3 hrs. |
| from English, World, or American Literature | 6 hrs. |
- B. English as a second teaching specialization  
Same as above except that only three hours are required in English, World, or American literature

### SECONDARY TEACHING SPECIALIZATION

- A. English as a single teaching field: see list of required English courses under Bachelor of Arts Degree requirements in English
- B. English as the first of two teaching fields: see list of required English courses under Bachelor of Arts degree requirements in English
- C. English as the second of two teaching fields: a minimum grade of "C" in each English course, including a 2.0 at UT Tyler; and a minimum of 18 hours of upper-division English courses, at least nine of which must be taken at this university, as follows:
- |   |        |
|---|--------|
| 1. English and world literature before 1800 from ENGL 4300, 4305, 4310, 4315, 4395 or THTR 3329*      | 3 hrs. |
| 2. English and world literature after 1800 from ENGL 4320, 4325, 4330, 4335, 4395, or THTR 3330*      | 3 hrs. |
| 3. American literature from ENGL 4345, 4350, 4355*  | 6 hrs. |
| 4. grammar, history of the language, composition, nature of language from ENGL 3375, 3385, 3390, 4376 | 6 hrs. |
| 5. two additional literature survey courses   | 6 hrs. |
| 6. two lower-division composition courses   | 6 hrs. |
| TOTAL 30 hrs.   |        |
- D. English as a component in a language arts composite teaching field: see list of required English courses above under English as the second of two teaching fields  
For the other components in this specialization, see catalog sections on journalism, speech, reading, foreign languages and education.

\*and other courses, with consent of specialization advisor

### COMPOSITE TEACHING FIELDS

- A. **English Language Arts.** A composite teaching field of 63 semester hours, at least 39 of which must be advanced, as follows:
- three semester hours of English or world literature before 1800 (Select from ENGL 4300, 4305, 4310, 4315, 4395, THTR 3329).
  - three semester hours of English or world literature after 1800 (Select from ENGL 4320, 4325, 4330, 4335, 4395, THTR 3330.)
  - six semester hours of American literature (select from ENGL 4345, 4350, 4355)
  - six semester hours from composition, grammar, history of the English language and nature of language (ENGL 3375, 3385, 3390, 4376).
  - six semester hours of survey literature courses
  - six semester hours of composition courses

- three semester hours of electronic publishing (JOUR 3356)
- three semester hours of journalism
- three semester hours of advanced interpersonal communication (SPCM 3320)
- three semester hours of oral or group interpretation of literature (SPCM 4301 or 4302)
- three semester hours of public speaking (SPCM 4326)
- six semester hours of reading (READ 4338, 4364)
- twelve semester hours of foreign language

### ENDORSEMENT IN ENGLISH AS A SECOND LANGUAGE

Fifteen hours, as follows:

ENGL 3376	3 hrs.
ENGL 4376	3 hrs.
ENGL 4377	3 hrs.
ENGL 4378	3 hrs.
EDST 4379	3 hrs.
<b>TOTAL</b>	<b>15 hrs.</b>

## COURSE DESCRIPTIONS

### ENGLISH (ENGL)

#### ENGL 3310

##### Literary Appreciation

Study of drama, fiction, and poetry as literary genres. Course fee required.

#### ENGL 3330

##### Children's Literature

History and analysis of children's literature. Designed primarily for preschool and elementary education majors. Credit earned in this course may not be applied towards general education requirements. Course fee required.

#### ENGL 3335

##### American Literature Survey

Major and representative American writers from the seventeenth century to the present. Course fee required.

#### ENGL 3340

##### World Literature

##### through The Renaissance

Selected writers from Homer through the late Renaissance, with special attention to

classical and continental literature: Sophocles, Aristotle, Virgil, Dante, Rabelais, Cervantes, Marlowe, Donne, and others. Periods and writers covered vary from year to year. Course fee required.

#### ENGL 3345

##### World Literature since The Renaissance

Selected writers from the seventeenth century to the present, with special attention to continental literature: Moliere, Swift, Voltaire, Goethe, Dostoevsky, Chekhov, Ibsen, Mann, Kafka, Camus, and others. Periods and writers covered vary from year to year. Course fee required.

#### ENGL 3375

##### Modern Grammar

Basic principles of modern English grammar and usage, including a study of traditional, structural, and transformational grammar. Course fee required.

#### ENGL 3376

##### Contrastive Linguistics

Course compares phonemic, morphological and syntactical differences between English and a sampling of other languages



represented in the public schools. It seeks to provide the prospective teacher with the opportunity to identify sources of difficulty experienced by students for whom English is a second language. Students are required to tutor a limited English-proficient student for a minimum of 15 hours. Course fee required.

**ENGL 3385**  
**History of the English Language**

Historical and structural study of developments in English sounds, forms, inflections, syntax, derivations, and meanings. Course fee required.

**ENGL 3390**  
**Advanced Composition**

Advanced study, with regular writing assignments, of the principles and techniques of expository writing. Course fee required.

**ENGL 3395**  
**Creative Writing**

Studies in composing and evaluating creative writing. Designed to afford students an opportunity to write under supervision, to learn techniques of expression, and to establish standards of criticism. May be repeated once for credit with consent of instructor. Course fee required.

**ENGL 4300**  
**Old and Middle English Literature**

Study of Old and Middle English literature in translation, including such works as the Anglo-Saxon Chronicle, Beowulf, the Canterbury Tales, Pearl, and medieval romances.

**ENGL 4305**  
**Renaissance Poetry and Prose**

Study of the development of English literature from 1500 to 1660: Sidney, More, Jonson, Spenser, Donne, Shakespeare, Milton, and others. Emphasis is on poetry and non-dramatic prose. Course fee required.

**ENGL 4310**  
**Shakespeare**

Study of Shakespeare's major plays: comedies, tragedies, and histories; and plays by such contemporaries as Ben Jonson, John Webster, and Beaumont and Fletcher.

**ENGL 4315**  
**Restoration and Eighteenth-Century Literature**

Important writers and literary trends from 1660 to 1783: Dryden, Pope, Johnson, Swift, Addison, Steele, Goldsmith, Boswell, and others. Course fee required.

**ENGL 4320**  
**The Romantic Period**

Representative English and continental writers from the 1780's to the 1830's: Wordsworth, Coleridge, Byron, Keats, Goethe, Schiller, and others. Course fee required.

**ENGL 4325**  
**Victorian Literature**

Important writers and literary traditions from 1832 to 1900: Tennyson, Browning, Arnold, Carlyle, Macaulay, Mill and others. Course fee required.

**ENGL 4330**  
**English Twentieth-Century Literature**

Important writers and literary trends from 1900 to the present: Conrad, Shaw, Joyce, Lawrence, Woolf, Waugh, Yeats, Cary, and others. Course fee required.

**ENGL 4335**  
**The English Novel**

Development of the English novel from Defoe to the present. Periods covered vary from year to year. Course fee required.

**ENGL 4345**  
**American Literature through the Romantic Period**

Important writers and literary trends from 1620 to 1860: Cooper, Emerson, Thoreau, Hawthorne, Poe, Melville, and others. Course fee required.

**ENGL 4350**  
**American Realism**

Important writers and literary trends from 1865 to 1920: Whitman, Dickinson, Twain, Howells, James, Crane, Norris, Dreiser, Robinson, and others. Course fee required.

**ENGL 4355**  
**American Twentieth-Century Literature**

Important writers and literary trends from 1900 to the present: Dreiser, Fitzgerald, Hemingway, Faulkner, Frost, Eliot, O'Neill, Miller, and others. Course fee required.

**ENGL 4368, 4668**  
**Literary Settings and Influences**

Studies particular sites associated with works of literature, regions that influenced an author's literary development, and collections of manuscripts and other artifacts relevant to the study of an author and his work. The course combines classroom experience with travel. No more than six semester hours of travel/study courses may be applied to the major or teaching field requirements in English. Course fee required.

**ENGL 4376**  
**The Nature of Language**

A study of the nature of human language and of linguistic science; an introduction to speech sounds, syntax, semantics and morphology of English; an inquiry into the nonverbal patterns of communication; language in society; relationship of language to thought.

**ENGL 4377**  
**Acquisition and Development of English as a Second**

Language Emphasis will be on theories of language acquisition and the resulting effects on the teaching process. First- and second-language developmental sequences and the growing body of literature in the field will be stressed. Course fee required.

**ENGL 4378**  
**Methodology of English as a Second Language**  
Theoretical foundations of second language

instruction and techniques for possible approaches to teaching pronunciation, grammar, reading and writing to ESL students will be studied. Construction and use of appropriate tests for ESL situations will be emphasized. Students are required to tutor a limited English-proficient student for a minimum of 15 hours. Course fee required.

**ENGL 4395**  
**Studies in World Literature**

Detailed study of selected themes, literary types, and authors in world literature. Content varies from year to year. May be repeated once for credit when content changes. Course fee required.

**ENGL 4397**  
**Senior Seminar**

This course provides advanced students an opportunity to engage in close readings of texts in historical-literary context and to pursue independent research. Required of English majors. Prerequisite: 24 hours of English.

**ENGL 4099**  
**Independent Study**  
Independent study in specific areas of English not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## GRADUATE COURSES AND PROGRAMS

Courses leading to graduate degrees and endorsements are offered in English. See the "Graduate Programs" section for complete program requirements, course listings and descriptions.



# HISTORY

## OBJECTIVES

The history program provides each student the opportunity to pursue a broad based liberal arts program that best suits individual intellectual interests and career goals. Programs are designed for careers in a variety of fields, including elementary, secondary, and higher education; law; the ministry; library and archival work; business; and government.

## LOWER-DIVISION PREPARATION

Students who wish to major in history should complete the general education requirements and the School of Liberal Arts core requirements at the freshman-sophomore level. In designing their lower-level program of study, students who wish to pursue the Bachelor of Arts degree should take four semesters of a foreign language, and students who wish to pursue the Bachelor of Science degree should take at least six hours of economics and/or geography.

## DEGREE REQUIREMENTS

### Bachelor of Arts and Bachelor of Science Degrees in History

- A. General baccalaureate degree requirements
- B. Liberal Arts core requirements
- C. A minimum grade point average of 2.0 in upper-division courses in history, including a 2.0 average in a minimum of six hours taken at this university
- D. A minimum of 36 semester hours in history, 24 of which must be advanced, as follows:
  1. Historical Methods and Research  
HIST 3300 3 hrs.
  2. World history  
From HIST 3301, 4393, 4394 3 hrs.
  3. Europe to 1789  
From HIST 3352, 3353, 3356 3 hrs.
  4. Europe since 1789  
From HIST 3357, 3358, 3359 3 hrs.
  5. America to 1877  
From HIST 4384, 4385, 4386 3 hrs.
  6. America since 1877  
From HIST 4387, 4388, 4389 3 hrs.
  7. Upper-division history electives 6 hrs.  
(Students seeking a history teaching specialization must include HIST 4320 or its lower-division equivalent.)
  8. American history survey courses 6 hrs.
  9. western civilization survey courses 6 hrs.

TOTAL 36 hrs.

- E. A minor of at least 18 hours in a single related discipline or guided electives to be chosen in consultation with the student's advisor.
- F. **FOR THE BACHELOR OF ARTS DEGREE:** At least four semesters of a foreign language or a satisfactory grade on a written examination approved by the foreign language faculty
- FOR THE BACHELOR OF SCIENCE DEGREE:** Six hours from economics and/or geography, in addition to those otherwise counted as lower-division preparation.

## HISTORY AS A MINOR

History may be chosen as a minor to satisfy requirements for certain bachelor's degree programs with majors in other fields. This program consists of 18 semester hours in history, at least nine of which must be advanced. Of these, three should be in American history and three in European history.

## TEACHER CERTIFICATION

In order to be certified to teach history in the public schools of Texas, the student must also meet state certification requirements. Courses to meet these requirements are offered by the School of Education and Psychology and may count as a part of the electives outside the history major. At least six hours of history must be completed at UT Tyler with a minimum grade point average of 2.0 in history courses, including a 2.0 average at this university.

**NOTE:** A student may also prepare for teaching by majoring in another undergraduate degree program with a teaching specialization in history or social studies.

## ELEMENTARY TEACHING SPECIALIZATION

- A. History as a first specialization A minimum of 24 semester hours in history, 12 of which must be advanced, as follows:
  1. World history 3 hrs.  
From HIST 3301, 4393, 4394
  2. Upper-division European history elective 3 hrs.
  3. Upper-division American history elective 3 hrs.
  4. Elements of History  
HIST 4301 3 hrs.
  5. American history survey courses 6 hrs.
  6. western civilization survey courses 6 hrs.

TOTAL 24 hrs.

- B. History as a second specialization  
A minimum of 18 semester hours in history, 9 of which must be advanced, as follows:
  1. World history 3 hrs.  
From HIST 3301, 4393, 4394
  2. Upper-division European history elective 3 hrs.
  3. Elements of History  
HIST 4301 3 hrs.
  4. American history survey courses 6 hrs.
  5. history elective 3 hrs.

TOTAL 18 hrs.



- C. History as a component in a social studies specialization\* A minimum of 18 semester hours in history, 9 of which must be advanced, as follows:

1. World history	
From HIST 3301, 4393, 4394	3 hrs.
2. Upper-division European history elective	3 hrs.
3. Elements of History	
HIST 4301	3 hrs.
4. American history survey courses	6 hrs.
5. history elective	3 hrs.
<b>TOTAL</b>	<b>18 hrs.</b>

\*For the other components in this specialization, see catalog sections on political science, economics, geography, sociology, anthropology, and education.

### SECONDARY TEACHING SPECIALIZATION

- A. History as a single teaching field: see list of required courses under degree requirements in history.  
 B. History as the first of two teaching fields: see list of required courses under degree requirements in history.  
 C. History as the second of two teaching fields: a minimum of 30 semester hours in history, 18 of which must be advanced, as follows:

1. Historical Methods and Research	
HIST 3300	3 hrs.
2. World history	
From HIST 3301, 4393, 4394	3 hrs.
3. Upper-division European history elective	3 hrs.
4. Upper-division American history elective	3 hrs.
5. Upper-division history elective	3 hrs.
6. History of Texas	
HIST 4320 (If completed at the lower-division level,	
select an upper-division history elective instead.)	3 hrs.
7. American history survey courses	6 hrs.
8. western civilization survey courses	6 hrs.
<b>TOTAL</b>	<b>30 hrs.</b>

- D. Social Studies Composite Teaching Field

A composite teaching field of 69-70 hours, at least 42 of which must be upper-division, as follows:

1. Historical Methods and Research	
HIST 3300	3 hrs.
2. World history	
From HIST 3301, 4393, 4394	3 hrs.
3. Upper-division European history elective	3 hrs.
4. Upper-division American history elective	3 hrs.
5. Upper-division history elective	3 hrs.
6. History of Texas	
HIST 4320 (If completed at the lower-division level,	
select an upper-division history elective instead.)	3 hrs.
7. American history survey courses	6 hrs.
8. western civilization survey courses	6 hrs.
9. political theory	
POLS 3350 and one from 3351 or 4360	6 hrs.
10. American politics	

From POLS 3330, 3335, 4320, 4330, 4340 or 4352, 3345, 4321	6 hrs.
11. comparative and international politics	
From POLS 3310, 3315, 3390, 4375	3 hrs.
12. research and methodology	
POLS 4396 and POLS 4197, or SOCI 3396 or other approved research	
methods course	3-4 hrs.
13. United States and Texas Government	6 hrs.
14. introductory economics	3 hrs.
15. Upper-division economics	3 hrs.
16. world geography	3 hrs.
17. Upper-division geography	3 hrs.
18. anthropology or sociology	3 hrs.
<b>Total</b>	<b>69-70 hrs.</b>

## COURSE DESCRIPTIONS

### HISTORY (HIST)

#### HIST 3300

##### Historical Methods and Research

A practical study of the historical method, research, and writing. Required of all history majors, and students seeking a secondary teaching field in history or a composite secondary teaching field in social studies. Course fee required.

#### HIST 3301

##### World Civilizations

Advanced studies in world civilizations from earliest times to the present. Required of all history majors and students seeking a teaching field or specialization in history or a teaching specialization or composite teaching field in social studies. Course fee required.

#### HIST 3352

##### Renaissance Europe

A study of the political, social, and economic changes in Europe during the fourteenth and fifteenth centuries. Study will focus upon the artistic, literary, and intellectual developments in Italy. Course fee required.

#### HIST 3353

##### Reformation Europe

A history of Europe in the sixteenth century.

Special emphasis on the rise and spread of Protestantism and the Catholic Reformation. Course fee required.

#### HIST 3356

##### Early Modern Europe

A study of the major political, economic, social, cultural, scientific, and intellectual developments of the seventeenth and eighteenth centuries. Course fee required.

#### HIST 3357

##### Revolutionary Europe

A study of European developments in the late eighteenth and early nineteenth centuries to the fall of Napoleon in 1815, focusing on the political, philosophical, cultural, and industrial revolutions that helped shape the course of modern history. Course fee required.

#### HIST 3358

##### Nineteenth-Century Europe

A study of European developments from the downfall of Napoleon to the coming of World War I (1815-1914) emphasizing the growth of liberalism, nationalism, industrialization, and imperialism. Course fee required.



**HIST 3359****Twentieth-Century Europe**

A study of European developments from the beginning of World War I in 1914 to the present, emphasizing the problems of the Paris peace settlement, the rise of fascism, the impact of the depression, the effects of World War II, and the shaping of the contemporary period. Course fee required.

**HIST 3382****Mediterranean Civilization**

The Ancient Near East and Greco-Roman civilization from the Bronze Age to the fourth century. Emphasis on contributions to the cultural heritage of the western world. Course fee required.

**HIST 3383****Tudor and Stuart England**

Study of the origins of modern England. Emphasis on religious reformation, religious and constitutional conflicts, civil war and revolution, and social, economic and cultural developments. Course fee required.

**HIST 3392****Modern Germany**

A study of German history after the collapse of the Holy Roman Empire. Among the topics examined are national unification, Imperial Germany, the Weimar Republic, the Third Reich, post-war divided Germany and reunited Germany in the European community. Course fee required.

**HIST 3395****History of Russia**

A study of Russia examining the Kievan and later medieval politics, the Muscovite state, Imperial Russia, and the Soviet and post-Soviet regime to the present. Course fee required.

**HIST 4301****Elements of History**

Study of the role of history in the elementary school curriculum; techniques of historical inquiry and the use of source materials; and major themes of the local, state, national, and international past. Course fee required.

**HIST 4320****History of Texas**

Study of the development of Texas from prehistory to the modern era. Course fee required.

**HIST 4322****The American South**

Study of the development of the South as a historically distinct section of the United States. Course fee required.

**HIST 4324****The Frontier in American History**

Study of the concept and development of the frontier in American history. Course fee required.

**HIST 4325****Early American Social and Intellectual History**

Traces the principal social and intellectual movements in America from the colonial period through the Civil War. Course fee required.

**HIST 4326****Modern American Social and Intellectual History**

Traces the principal social and intellectual movements in America from the end of the Civil War to the present. Course fee required.

**HIST 4327****Early American Diplomatic History**

Traces the history of American foreign relations from the revolutionary era to 1914. Special attention to external world influences as well as internal domestic influences on the conduct of American foreign policy. Course fee required.

**HIST 4328****Modern American Diplomatic History**

Traces the history of American foreign relations from 1914 to the present. Special attention to external world influences as well as internal domestic influences on the conduct of American foreign policy. Course fee required.

**HIST 4368, 4668****Field Experience in History**

Provides the student with the opportunities to study historical sites and museums, use archival records, and conduct field research on a given topic which includes some travel. Classroom experiences employing the lecture and seminar methods complement the field experience. Prerequisite: Consent of instructor. No more than six semester hours of travel/study courses may be applied to the major or teaching field requirements in history. Course fee required.

**HIST 4370****Internship Program**

A 16-week program offering a learning experience in an off-campus environment. Students will work with local public and private agencies and may be asked to share experiences and discuss common problems. Prerequisite: Consent of instructor.

**HIST 4384****Colonial America**

A study of the background of European discovery and colonization of the Spanish, French, and English colonies in America from 1492 to 1763. Course fee required.

**HIST 4385****The American Formative Period**

A study of the forces between 1763 and 1844 that led to the independence and subsequent development of the United States. Course fee required.

**HIST 4386****The American Middle Period**

A study of the forces between 1845 and 1877 that led to the disruption of the American Republic, examination of the Civil War, its significance, and its aftermath. Course fee required.

**HIST 4387****Industrial and Progressive America**

A study of American history from 1877 to 1917 which includes the rise of industrial America, the pursuit of empire, the Progressive Era, and foreign affairs on the eve of

America's involvement in World War I. Course fee required.

**HIST 4388****America During the World Wars**

A study of American history from 1917 to 1945, which includes America's responses to the challenges of World War I, the social conflicts of the 1920's, the Great Depression, and World War II. Course fee required.

**HIST 4389****America Since 1945**

A study of American political, social and economic development since the end of World War II. Foreign relations and the changing role of America as a world power in the last half of the twentieth century are stressed. Course fee required.

**HIST 4391****Colonial Latin America**

A study of European and Indian background, Iberian exploration and conquest, political, economic, cultural, and social developments to the eve of independence. Course fee required.

**HIST 4392****Modern Latin America**

Traces the evolution of the countries of Latin America from the era of the colonial wars of independence to the modern period. Course fee required.

**HIST 4393****Japanese Civilization**

A study of the Japanese from prehistory to modern times. Emphasis on cultural and social developments. Course fee required.

**HIST 4394****Chinese Civilization**

A study of Chinese civilization from its origins to the modern day emphasizing cultural and social developments. Course fee required.



**HIST 4395****Modern Middle East**

Rise and spread of Islamic civilization, Ottoman Empire, European imperialism, rise of nationalism, Zionism and emergence of Israel, Arab-Israeli conflict, impact of oil, recent Islamic reform, revolution, and resurgence. Course fee required.

**HIST 4397****Topics in History**

Advanced studies in history to include such areas as comparative, non-Western, or public history. May be repeated once for credit when content changes. Course fee required.

**HIST 4099****Independent Study**

Independent study in specific areas of history not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## GRADUATE COURSES AND PROGRAMS

Courses leading to graduate degrees are offered in history. See the "Graduate Programs" section for complete degree requirements, course listings and descriptions.

# SPANISH

## OBJECTIVES

The Spanish program pursues the basic objectives of foreign language learning: hearing, speaking, reading, and writing. The principles of grammar, the functioning of the Spanish sound system, the development of Hispanic literature, and aspects of Hispanic culture are studied in this pursuit. Methods of teaching Spanish also are emphasized for the benefit of prospective teachers.

## LOWER-DIVISION PREPARATION

Recommended lower-division preparation for Spanish majors includes the courses specified at the beginning of the section on School of Liberal Arts as well as 12 hours or the equivalent of Spanish.

## OPTIONS:

- A. B.A. in Spanish: 36 hours, or the equivalent, in Spanish, and 18 hours in a minor
- B. Minor in Spanish: 18 hours of Spanish
- C. Secondary-teacher certification
  1. Spanish as a single teaching field: B.A. in Spanish and prescribed education courses
  2. Spanish as the first of two teaching fields: B.A. in Spanish and prescribed education courses
  3. Spanish as the second of two teaching fields: thirty hours in Spanish and prescribed education courses

4. Spanish as a component in a language arts composite teaching field: twelve hours in Spanish; 51 hours in other specified language arts disciplines; and prescribed education courses

## BACHELOR OF ARTS DEGREE REQUIREMENTS IN SPANISH

- A. General baccalaureate degree requirements
- B. Liberal Arts core requirements
- C. A minimum grade point average of 2.0 in Spanish courses, including a 2.0 average at this university
- D. A minimum of 24 upper-division hours in Spanish, at least 12 of which must be taken at this university, as follows:
 

SPAN 3301 and 3302	6 hrs.
SPAN 3345	3 hrs.
SPAN 4310	3 hrs.
SPAN 4331	3 hrs.
SPAN 4385	3 hrs.
SPAN 3000/4000	6 hrs.
additional Spanish courses	12 hrs.
<b>TOTAL 36 hrs.</b>	
- E. A minor of at least 18 hours in a related discipline chosen in consultation with the student's advisor and the department offering the minor. At least six hours in the student's minor must be taken at this university.

## SPANISH AS A MINOR

Spanish may be chosen as a minor to satisfy certain programs with majors in other fields. This program consists of 18 semester hours in Spanish, 12 of which must be upper-division. Courses are selected by the student in consultation with a member of the Spanish faculty.

## TEACHER CERTIFICATION

Candidates for elementary teaching certificates should pursue the Bachelor of Science degree in interdisciplinary studies or a standard academic major related to the Texas public school curriculum. Candidates for secondary teaching certificates should pursue a standard academic major. For other certification requirements, consult the "School of Education and Psychology" section of this catalog.

### ELEMENTARY TEACHING SPECIALIZATION

- A. A minimum grade point average of 2.0 in Spanish courses, including a 2.0 average at this university
- B. A minimum of 24 hours in Spanish, including at least 12 hours at UT Tyler, as follows:
 

language courses: Spanish 3301, 3302, and 4310	9 hrs.
literature courses: one 3000 or 4000 level	
Spanish literature course	3 hrs.
twelve semester hours of Spanish,	



including approved lower-division courses

12 hrs.  
TOTAL 24 hrs.**SECONDARY TEACHING SPECIALIZATION**

- A. Spanish as a single first teaching field: See list of required courses under Bachelor of Arts Degree Requirements in Spanish.
- B. Spanish as the first of two teaching fields: See list of required courses under Bachelor of Arts Degree Requirements in Spanish.
- C. Spanish as the second of two teaching fields: Thirty hours in Spanish, 18 of which must be advanced, as follows:
- |                            |        |
|----------------------------|--------|
| SPAN 3301 and 3302         | 6 hrs. |
| SPAN 3345                  | 3 hrs. |
| SPAN 4310                  | 3 hrs. |
| SPAN 4331                  | 3 hrs. |
| SPAN 4385                  | 3 hrs. |
| SPAN 3300/4000             | 6 hrs. |
| additional Spanish courses | 6 hrs. |
| TOTAL 30 hrs.              |        |
- D. Spanish as a component in a language arts composite teaching field: 12 semester hours in Spanish. Specific courses will be determined in consultation with the Spanish advisor. For the other components in this specialization, see catalog sections on English, journalism, speech, reading and education. The student entering UT Tyler desiring certification in Spanish and having more than 12 hours of lower-division credit or equivalent competencies may opt to take an advanced standing examination provided by the Department of Humanities. By making a satisfactory score, the student may have up to six hours of required courses waived as determined by the department.

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**COURSE DESCRIPTIONS**


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**SPANISH (SPAN)****SPAN 3301****Grammar, Conversation, and Composition: I**

The course utilizes oral expression to strengthen conversational command of the language; practice in writing based on cultural models. Utilizes self-paced instructional methods. Prerequisite: Consent of instructor.

**SPAN 3302****Grammar, Conversation, and Composition: II**

More advanced use and study of oral expression and writing. Prerequisite: SPAN 3301 or consent of instructor.

**SPAN 3325****Spanish Reading Fluency**

Practice in readings ranging progressively in difficulty from periodicals to literary writings. Emphasis placed on skills and strategies for fluent reading, such as word recognition, inferencing, sight-reading techniques, extrapolation, and expansion of vocabulary and idiomatic expressions. Prerequisite: Consent of instructor. Course fee required.

**SPAN 3335****Writing Proficiency in Spanish**

This course offers content-based instruction for the acquisition of measured levels of proficiency in writing Spanish. Prerequisite: Consent of instructor. Course fee required.

**SPAN 3345****Introduction to Hispanic Literature**

A course designed to familiarize the students with the analysis of Hispanic literary texts and to provide them with the opportunity to improve their mastery of the Spanish language through the commentary and careful reading of representative literary texts. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 3350****Survey of Spanish Literature to 1700**

A study of Peninsular literature, beginning with *El Poema de Mio Cid* and extending through the Baroque period, emphasizing works that give representative expression to the thought and cultural patterns of their times. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 3355****Survey of Spanish Literature Since 1700**

A study of Peninsular works that manifest the major literary and cultural movements of their times, such as romanticism, realism, and modernism. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4310****Advanced Grammar**

Special attention is paid to the more advanced grammatical and syntactical features, increased ability with idiomatic expressions and vocabulary enlargement. Prerequisite: Consent of instructor. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4312****Phonetics and Phonemics**

Articulatory phonetics and sound discrimination and production; phonemic and allophonic variants; geographical and social distribution. Prerequisite: Consent of instructor. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4331****Hispanic Culture and Civilization**

An exploration of Hispanic culture and civilization, emphasizing its influence on western civilization. Valuable as a support course in the humanities, fine arts, and social sciences. Prerequisite: Consent of instructor. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4360****Special Studies in Spanish Literature and Language**

Selected readings from various authors, genres, periods, and themes. Concentrated study of language problems. May be repeated for credit when content changes. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4364****Colonial Latin-American Literature**

A survey course dedicated to the reading and analysis of representative Latin-American authors from the discovery of the New World to the 1820s. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4365****Modern Latin-American Literature**

Reading and analysis of representative Latin-American authors from the 1820's to the present. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4368, 4668****Field Study in Spanish**

This course provides students with the opportunity for total immersion in the language and the culture by studying in a Spanish-speaking country. Students will have the opportunity to study historical sites and museums, to conduct field research on a given topic which includes some travel, and to live with a Hispanic family. Course fee required.



**SPAN 4375****Methods of Teaching Modern Languages In Secondary Schools**

A study of materials and methods especially adaptable to high school students. Prerequisite: Senior standing or consent of instructor. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4380****Topics in Spanish**

This course will explore the basic vocabulary, idioms, expressions, and customs common to the Spanish-speaking professional world. The course will provide practice in the Spanish language formulas used in, for example, commercial correspondence, legal terminology, health-related professions, and marketing. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4385****Spanish for Oral Proficiency**

This course offers content-based instruction in small groups for acquisition of measured levels of proficiency in speaking Spanish. May be taken for graduate credit with consent of advisor. Course fee required.

**SPAN 4099****Independent Study**

Independent study in specific areas of Spanish language or literature not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair. May be taken for graduate credit with consent of advisor.

For courses in other foreign languages see "Other Course Descriptions" within this department.

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## OTHER COURSE DESCRIPTIONS

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Although UT Tyler does not offer a generic foreign language degree or degrees in French, German, Latin and philosophy, the following courses are offered as electives for students majoring in other disciplines.

## FOREIGN LANGUAGE FRENCH (FREN) (FORL)

**FORL 4099****Independent Study**

Independent study in specific areas of language or literature not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**FREN 3301****Conversation and Composition: I**

The course utilizes oral expression to strengthen conversational command of the language; practice in writing based on cultural models. Utilizes self-paced instructional methods. Prerequisite: Consent of instructor.

**FREN 3302****Conversation and Composition: II**

More advanced study and use of oral expression and writing. Prerequisite: FREN 3301 or consent of instructor.

**FREN 3315****Advanced Grammar and Composition**

Detailed study of French grammar, with regular assignments in composition. Course fee required.

**FREN 3320****Major French Writers**

Readings in selected masterpieces of French literature. May be repeated once for credit when content changes. Course fee required.

**FREN 4099****Independent Study**

Independent study in specific areas of French language or literature not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## GERMAN (GERM)

**GERM 3301****Conversation and Composition: I**

The course utilizes oral expression to strengthen conversational command of the language; practice in writing based on cultural models. Utilizes self-paced instructional methods. Prerequisite: Consent of instructor.

**GERM 3302****Conversation and Composition: II**

More advanced study and use of oral expression and writing. Prerequisite: GERM 3301 or consent of instructor.

**GERM 3315****Advanced Grammar and Composition**

Detailed study of German grammar, with regular assignments in composition. Course fee required.

**GERM 3320****Major German Writers**

Readings in selected masterpieces of German literature. May be repeated once for credit when content changes. Course fee required.

**GERM 4099****Independent Study**

Independent study in specific areas of German language or literature not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## LATIN (LATN)

**LATN 3300****Composition and Reading: I**

Studies in syntax, composition, and reading. Course fee required.

**LATN 3301****Composition and Reading: II**

Studies in syntax, composition, and reading. Course fee required.

**LATN 3305****Readings in Latin**

Selections from Cicero, Livy, Horace, Ovid, Tacitus, Pliny, and others. May be repeated once for credit when content changes. Course fee required.

**LATN 4099****Independent Study**

Independent study in specific areas of Latin language or literature not covered by organized undergraduate courses. A maximum of six credit hours may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.



## PHILOSOPHY (PHIL)

### PHIL 3300

#### Approaches to Philosophy

A study of major areas of investigation in traditional and modern philosophy. Included are discussions of philosophies of knowledge, ethics, logic, aesthetics and metaphysics. Recommended for students who wish to take only one semester of philosophy. Course fee required.

### PHIL 3330

#### Ancient and Medieval Philosophy

A study of the major ideas of Eastern and Western philosophy from the pre-Socratics through the sixteenth century. Course fee required.

### PHIL 3331

#### Modern Philosophy

A study of the main issues and movements in philosophy from the seventeenth century to the present. Course fee required.

### PHIL 4300

#### Studies in Philosophy

A study of such areas of philosophy as aesthetics, logic, metaphysics, and ethics. May be repeated once for credit when content changes. Course fee required.

### PHIL 4325

#### Existentialism

A study of such leading existentialist philosophers as Kierkegaard, Nietzsche, Heidegger, and Sartre.

### PHIL 4330

#### Comparative Religious Philosophy

A study of traditional categories of the philosophy of religion with reference to such religions as Buddhism, Hinduism, Islam, Judaism, and Christianity. Course fee required.

### PHIL 4099

#### Independent Study

Independent study in specific areas of philosophy not covered by organized undergraduate courses. A maximum of six credit

hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of departmental chair.

## GRADUATE COURSES

Graduate courses are offered in philosophy. See "Graduate Programs" section for complete listings and descriptions.

## DEPARTMENT OF MUSIC

Thomas Allen, chair

The department also participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies. All-level certification in music is available through the B.M. program. A specialization program in music for elementary teachers is available through the Bachelor of Science degree with a major in interdisciplinary studies or a standard academic major related to the Texas public school curriculum.

## OBJECTIVES

The Department of Music offers courses designed to provide the student the opportunity to acquire an appreciation of the role of music in our everyday lives, as well as an opportunity to develop techniques of creative expression. Opportunities are available for the student to elect music as a major or minor in a Bachelor of Arts degree program or as a professional preparation program for a career in music under the Bachelor of Music degree. Additionally, the Department of Music provides the opportunity for students to acquire knowledge to pursue careers in music as studio teachers, school music teachers, and performers. The curricula for those students stress the development of sound functional musicianship and a broad background in the liberal arts.

## LOWER-DIVISION PREPARATION

In addition to the general education requirements for the baccalaureate degree, the candidate for the Bachelor of Music or Bachelor of Arts degree in music, or for certification with a teaching field in music, must complete two years of theory/ear training/sight singing (minimum of 12 hours) and two years of applied music (minimum of four hours). Two years of applied piano are also recommended.

## DEPARTMENTAL POLICIES

In addition to meeting the general requirements for admission to the university, all entering students intending to major in music must perform an entrance audition on their principal performing medium before a faculty committee, or submit a portfolio of compositions. Audition dates are scheduled during the spring semester or they may be arranged through the music department. Entering students must also take departmental entrance/advisory exams for an evaluation of music credits being transferred from another institution. This includes any credits in piano, wind, string and percussion classes. After the first semester of enrollment in academic and applied music courses, the music faculty will evaluate each student's potential for continuing in the program. Once approved, students must file a formal degree plan during the second semester of study. No more than one semester of applied music may be counted toward a music degree prior to filing a degree plan. All music majors are required to study applied music with faculty members of the university each semester of enrollment, and to participate in student recitals each semester. Music majors and minors enrolled for applied music will be examined each



semester by a faculty committee. Students who fail to appear for a scheduled competency examination will receive "F" for the course. In case of illness or emergency absence, a grade of "I" (incomplete) will be given, and the examination will be rescheduled by the chair of the Department of Music at the beginning of the next semester in which the student is enrolled. All music majors in the BM degree program are required to present a senior recital in their primary performance area during the last semester of study and prior to student teaching. Students must be enrolled in the appropriate MUSA course at the time of the senior recital. One month prior to the recital, the student must perform the recital for a faculty committee to secure final approval to present the recital to the public. For music certification students, this recital hearing must occur prior to the registration process for student teaching. Students may not file for graduation prior to the semester in which the senior recital is scheduled.

### RECITAL ATTENDANCE

Students and faculty members are presented in recitals by the Department of Music frequently throughout the year. These recitals are open to the public. Because performance and listening experiences constitute an area of major importance in applied music study, all students taking applied music are required to attend seminars, recitals, and concerts under the direction of The University of Texas at Tyler. A schedule of these events will be available for each semester.

### ENSEMBLES

All music majors are required to participate in a major ensemble during each semester of their degree programs. Participation in a major ensemble is optional only during the semester of student teaching for those seeking teacher certification. Small ensembles available to qualified students include brass choir, opera workshop, brass quintet, woodwind quintet, woodwind ensemble, chamber choir, stage band, and other groups organized for specific functions. Students are expected to participate as needed in order to fill the music needs of the university and the individual student.

### PROFICIENCY EXAMINATIONS

All music majors must pass a proficiency examination in piano prior to the senior recital hearing. The examination is administered prior to the registration period and at the end of each semester. Students who fail to take or pass any part of the piano proficiency examination as an entering student will be required to take MUSA 3203 each semester enrolled until the examination is passed.

## BACHELOR OF MUSIC

### CORE REQUIREMENTS FOR ALL EMPHASIS AREAS

A. General Baccalaureate Degree Requirements	44 hrs.
B. Liberal Arts Core Requirements	
C. Music Core Requirements	
Theory/Ear Training/Sightsinging (4 semesters Lower-division)	12 hrs.
MUSI 3310 Music Literature	3 hrs.
MUSI 3315, 3316, 3317 Music History	9 hrs.
MUSI 3311 Conducting	3 hrs.
MUSI 3314 Advanced Conducting and Score Reading	3 hrs.

MUSI 4340 Counterpoint	3 hrs.
MUSI 4342 Form and Analysis Applied Music*	3 hrs.
Major Instrument or Voice Lower-division (4 semesters)	8 hrs.
Upper-division	8 hrs.
(Minimum 4 semesters and each semester in residence until senior recital)	

\*Composition majors will take 2 semesters of instrumental or vocal applied music and a minimum of 6 semesters applied composition (each semester in residence until senior recital)

Pedagogy and Literature (See specific requirements for Piano/Piano Pedagogy emphasis areas)	6 hrs.
Ensemble (See Emphasis Area) Lower-division (4 semesters)	4 hrs.
Upper-division (4 semesters and each semester in applied music)	4 hrs.
Piano** (4 semesters lower or upper-division and each semester until Piano Proficiency Exam is passed)	4 hrs.

\*\*Secondary Instrument or Voice for Piano Emphasis

Music Electives and/or additional requirements by emphasis area (selected with advisor approval)	6 hrs.
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Must meet attendance requirements for Concerts, Recitals and Productions each semester of applied music and/or in residence.

TOTAL 120 hrs.

### ADDITIONAL REQUIREMENTS BY EMPHASIS AREA

#### INSTRUMENTAL PERFORMANCE

Ensemble: Band or Guitar Ensemble  
Junior Recital (1/2)  
Senior Recital (Full)

#### INSTRUMENTAL MUSIC EDUCATION

Ensemble: Band  
3 Performances in Recitals, Concerts and Productions (Approved by music faculty)  
Senior Recital (1/2)

Students seeking all-level certification in music must complete the following hours in addition to the BM degree requirements.

MUSI 3120, 3121, 3122, 3123
Woodwinds, Brass, Percussion, Strings
MUSI 3145 or 4100
Choir or Vocal Ensemble and appropriate instrumental chamber ensemble



- MUSI 3325 Appreciation of and Creative Involvement in Music  
 MUSI 3326 Advanced Reading and Scoring Skills  
 MUSI 3328 Introduction to Orff Schulwerk  
 MUSI 3340 Marching Band Procedures  
 MUSI 4326 Instrumental Materials and Band Administration  
 MUSI 4345 Arranging for Choral and Instrumental Ensembles

**VOCAL PERFORMANCE**

- Ensemble: Choir  
 MUSI 3151, 3152 Diction for Singers  
 MUSI 4100 Opera Workshop (Minimum 2 semesters)  
 Junior Recital (1/2)  
 Senior Recital (Full)  
 (General education requirements in humanities and social sciences should be fulfilled in either French or German)

**VOCAL MUSIC EDUCATION**

- Ensemble: Choir  
 MUSI 3151, 3152 Diction for Singers  
 MUSI 4100 Opera Workshop (Minimum 2 semesters)  
 3 Performances in Recitals, Concerts and Productions (Approved by Music Faculty)  
 Senior Recital (1/2)

Students seeking all-level certification in music must complete the following hours in addition to the BFA degree requirements.

- MUSI 3120, 3121, 3122, 3123 Woodwinds, Brass, Percussion, Strings  
 MUSI 3325 Appreciation of and Creative Involvement in Music  
 MUSI 3326 Advanced Reading and Scoring Skills  
 MUSI 3328 Introduction to Orff Schulwerk  
 MUSI 4325 Choral Literature for the Schools  
 MUSI 4345 Arranging for Choral and Instrumental Ensembles

**PIANO PERFORMANCE**

- Ensemble: Accompanying  
 Pedagogy and Literature courses as follows:  
 MUSI 4320 Piano Literature  
 MUSI 3335 Piano Pedagogy  
 OR  
 MUSI 3330 Topics in Pedagogy and Literature  
 Junior Recital (1/2)  
 Senior Recital (Full)

**PIANO PEDAGOGY**

- Upper-division Ensemble: Accompanying  
 Pedagogy and Literature courses as follows:  
 MUSI 4320 Piano Literature  
 MUSI 3335 Piano Pedagogy  
 MUSI 3330 Topics in Pedagogy and Literature (6 hrs.)  
 3 Performances in Recitals, Concerts and Productions (Approved by music faculty)  
 Senior Recital (1/2)

**PIANO MUSIC EDUCATION**

- All requirements for either Piano Performance Emphasis  
 or Piano Pedagogy Emphasis  
 AND  
 All additional requirements for either Instrumental Certification or Vocal Certification

**COMPOSITION**

- Ensemble and Pedagogy/Literature courses appropriate to Secondary Instrument or Voice  
 MUSI 4345 Arranging for Choral and Instrumental Ensembles  
 MUSI 4343 Topics in Music Theory (6 hrs.)  
 Senior Recital (Full)

**COMPOSITION MUSIC EDUCATION**

- All requirements for Composition Emphasis  
 AND  
 All additional requirements for either Instrumental Certification or Vocal Certification

**BACHELOR OF ARTS IN MUSIC**

A. General Baccalaureate Degree Requirements (including 12 hours of a foreign language)	44 hrs.
B. Liberal Arts Core Requirement	
C. Music Core Requirements	
Theory/Ear Training/Sightsinging	12 hrs.
MUSI 3310 Music Literature	3 hrs.
MUSI 3315, 3316, 3317 Music History	9 hrs.
MUSI 4342 Form & Analysis	3 hrs.
Applied Music, Instrumental and/or Vocal (minimum 6 semesters, including 2 semesters upper-division)	8 hrs.
Ensemble (minimum 6 semesters, including 2 semesters upper-division)	6 hrs.
MUSI 4340 Counterpoint	3 hrs.
MUSI 4345 Arranging for Choral and Instrumental Ensembles	3 hrs.
MUSI 3311 Conducting	3 hrs.
Piano Proficiency Exam (must enroll in MUSA 3203 until proficiency exam is passed)	0 hrs.
Must meet attendance requirements in Concerts, Recitals, Productions each semester in applied music or in residence	
Guided Electives	12 hrs.
(Including a minimum of two courses and six hours in another fine or performing art consonant with the student's emphasis and selected with advisor approval)	
TOTAL CORE REQUIREMENTS	106 hrs.

**ADDITIONAL REQUIREMENTS BY EMPHASIS AREA**

Music History and Literature/ Music Electives or Topics courses (upper-division, selected with advisor approval)	12 hrs.
TOTAL DEGREE REQUIREMENTS	118 hrs.



**Music Theory**

Composition 4 hrs.

(minimum 2 semesters, upper-division)

Music Electives or Topics Courses

9 hrs.

(upper-division, selected with advisor approval)

**TOTAL DEGREE REQUIREMENTS**

119 hrs.

**There is no recital requirement for this degree.** An average of B must be attained in Form and Analysis and those courses pertaining to the major emphasis in addition to the general requirement of a minimum grade of C in each course in the major department.

A substantial, formal paper, which may be an outgrowth of a music theory, history, topics course or independent study project shall be presented with the approval of the major advisor and submitted as evidence of competence in the major field.

**MINOR IN MUSIC**

Music may be chosen as a minor to satisfy bachelor degree program requirements with majors in other fields. This program requires a total of 18 hours in music, including 2 semesters of Music Theory/Ear Training/Sightsinging at the lower-division and 12 hours of upper-division courses. Courses are selected in consultation with an advisor from the Department of Music.

### ELEMENTARY TEACHING SPECIALIZATION MUSIC AS A FIRST TEACHING FIELD

A student must complete a minimum of 22 hours in music, 16 of which must be upper-division. The exact number of hours will be determined by a music department advisor based on the background and musical proficiency of the student. Generally, the student will complete the following:

Music Theory/Ear Training/Sightsinging (2 semesters)	6 hrs.
MUSI 3310 Music Literature	3 hrs.
MUSI 3316 History and Analysis of Music	3 hrs.
MUSI 3145 Choir	1 Hr
MUSI 3324 Music in American Society: An Overview	3 hrs.
MUSI 3325 Appreciation of and Creative Involvement in Music	3 hrs.
MUSI 3328 Introduction to Orff Schulwerk	3 hrs.
Piano Proficiency Exam (must enroll in MUSA 3203 until proficiency exam is passed)	0 hrs.

The student is required to demonstrate MIDI computer proficiency either by successfully completing an approved course or by examination.

## COURSE DESCRIPTIONS

**MUSIC (MUSI)****MUSI 3120****Woodwinds Class**

Instruction on woodwind instruments for music majors. Maintenance of instruments and evaluation of methods and materials. Students have the opportunity to develop basic techniques on two instruments. Course fee required.

**MUSI 3121****Brass Class**

Instruction on brass instruments for music majors. Maintenance of instruments and evaluation of methods and materials. Students have the opportunity to develop basic techniques on two instruments. Course fee required.

**MUSI 3122****Percussion Class**

Instruction in fundamental techniques on the most frequently used percussion instruments, both of definite and indefinite pitch. Conventions of notations, instrument maintenance, evaluation of methods and materials. Course fee required.

**MUSI 3123****String Class**

Instruction in fundamental techniques on string instruments. Maintenance of instruments and evaluation of methods and materials. Students have the opportunity to develop basic techniques on two instruments. Course fee required.

**MUSI 3140****Band**

Open to all students who have had prior instrumental experience. Audition with director required. Instrumental literature from Renaissance to the present. May be repeated three times for credit. Course fee required.

**MUSI 3145****Choir**

Open to any student who is interested in singing, although conference with the director is necessary prior to enrollment. Includes a general survey of choral literature from the Renaissance to the present. May be repeated three times for credit. Course fee required.

**MUSI 3150****English Diction for Singers**

A study of diction techniques of English as used by the singer, choral performer and conductor.

**MUSI 3151****French Diction for Singers**

A study of diction techniques of French as used by the singer, choral performer and conductor.

**MUSI 3152****German and Italian Diction for Singers**

A study of diction techniques of German and Italian as used by the singer, choral performer and conductor.

**MUSI 3310****Music Literature**

A study of salient periods in western civilization, the style concept of each period, and the relationship of music to other arts and social and historical background, including an investigation of the individual composers within the context of their time. Course fee required.

**MUSI 3311****Conducting**

Study of the role of the conductor in musical ensembles with particular attention to the use of gesture as a means of musical communication. Course fee required.



**MUSI 3313****Music Theatre**

A study of the development of popular American musical theatre, its literature, dance, and comedy as they contribute to character and plot development, and as an outgrowth of our experience as a nation. Course fee required.

**MUSI 3314****Advanced Conducting and Score Reading**

Advanced techniques of conducting, including score analysis and interpretation. May be taken for graduate credit with consent of instructor.

**MUSI 3315, 3316, and 3317  
History and Analysis of Music**

A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. Prerequisite: Music Theory or consent of instructor.

**MUSI 3318****Musics of the World**

A study of the means, language, character, and function of music in various cultures, of the interrelationship of music and other arts, and of the thinking and values which are presented through music. Course fee required.

**MUSI 3324****Music in American Society: An Overview**

Opportunity to develop and improve an understanding of the role of music in American life. Opportunity to develop and improve music reading and performance skills. Course fee required.

**MUSI 3325****Appreciation of and Creative Involvement in Music**

Opportunity to develop and improve listening skills through creative interaction with the music score and the aural experience. Course fee required.

**MUSI 3326****Advanced Reading and Scoring Skills**

Through the study of various standard techniques and systems, the student will have the opportunity to further improve his or her skills in sight reading music and the printed score, and to create an original score. Course fee required.

**MUSI 3328****Introduction to Orff Schulwerk**

Introduction to the pedagogical principles of Carl Orff and the use of those principles in the teaching of music in the public and private settings. Course fee required.

**MUSI 3330****Topics in Pedagogy and Literature**

Studies in music pedagogy and literature such as 18th, 19th, or 20th century harmony, vocal pedagogy, vocal literature or chamber music literature from various periods of musical history. May be repeated twice when topic changes. Course fee required.

**MUSI 3335****Piano Pedagogy**

An apprenticeship experience in private piano teaching through discussion, observation and participation.

**MUSI 3340****Marching Band Procedures**

This course provides the student the opportunity to learn organization, administration, design and formulations used in directing the marching band. May be taken for graduate credit with consent of the instructor.

**MUSI 4100****Chamber Music**

This course offers small ensemble experience such as participation in woodwind ensembles, brass ensembles, and vocal and keyboard ensembles. Open to all interested students. May be repeated twice for credit when content changes. Course fee required.

**MUSI 4310****Topics in Music History and Literature**

Selected topics in music literature and history. May be repeated twice for credit when content changes. Prerequisite: Consent of instructor. Course fee required.

**MUSI 4320****Piano Literature**

A study of piano literature placed into historical context. Emphasis is placed upon organization of materials, stylistic problems, performance practices, and a listening awareness of representative works. May be taken for graduate credit with consent of advisor.

**MUSI 4325****Choral Literature for the Schools**

A comprehensive study and analysis of the choral literature and organization structures of elementary and secondary school choral organizations. Course fee required.

**MUSI 4326****Instrumental Materials and Band Administration**

Study of techniques, materials, and literature used in the development of an instrumental program in the schools. Course fee required.

**MUSI 4340****Advanced Harmony and Counterpoint**

Study in the analysis and composition of modal melody, counterpoint, and cadence structure, writing in two, three, and four parts in the style of Palestrina.

**MUSI 4342****Form and Analysis**

The analysis of selected music literature for the extraction of formal principles, harmonic analysis through chromatic structures to early 20th century literature.

**MUSI 4343****Topics in Music Theory**

Selected topics in music theory and analysis. May be repeated three times for credit when content changes. Prerequisite: 4 semesters of Theory and Ear Training.

**MUSI 4345****Arranging for Choral and Instrumental Ensembles**

Offers students practical experience in arranging for a specific combination of voices and/or instruments. Course fee required.

**MUSI 4350****Playing Guitar and Other Instruments for Social and Recreational Activities**

Fundamentals of playing the guitar, the Autoharp, the recorder, and an assortment of rhythm instruments as related to group activities. Prerequisite: Basic skill in music or consent of instructor.

**MUSI 4099****Independent Study**

Independent study in specific areas of music not covered by organized undergraduate courses. A maximum of six credit hours of independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in music and music education. See "Graduate Programs" section for complete listings and descriptions.



## MUSIC APPLIED (MUSA)

All Music Applied courses offered are two credit hours courses. Students are required to furnish their own instrument and music materials. All lessons will be taught in the studio of the instructor. Transportation to and from the lesson will be the responsibility of the student. Permission to enroll will be granted by the chair of the music department after audition and/or conference with each student who applies. A fee of \$75 will be charged for each course in Music Applied. Undergraduate courses (3000-level) may be repeated three times for credit. Graduate courses (5000 level) may be repeated once for credit.

### MUSIC APPLIED COURSES

Piano	3201	5201
Class Piano	3203	5203
Accompanying	3204	5204
Organ	3205	5205
Harpsichord	3210	5210
Voice	3215	5215
Class Voice	3216	5216
Flute	3220	5220
Clarinet	3225	5225
Oboe	3230	5230
Bassoon	3235	5235
Saxophone	3240	5240
Trumpet	3245	5245
French Horn	3250	5250
Trombone	3255	5255
Tuba	3260	5260
Percussion	3265	5265
Harp	3270	5270
Violin	3275	5275
Viola	3280	5280
Violincello	3285	5285
Bass Violin	3290	5290
Guitar	3295	5295
Composition	3297	5297

## DEPARTMENT OF SOCIAL SCIENCES

The Department of Social Sciences offers courses leading to undergraduate degrees in criminal justice, economics, political science, and sociology; courses leading to the minor in geography; elective courses in anthropology; and supplementary programs for undergraduate students in other disciplines. At the graduate level, the department offers the Master of Public Administration and participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies.

### OBJECTIVES

The department provides each student the opportunity to build a program that best suits individual career goals and the necessary courses and direction to complete the baccalaureate or master's degree programs. Programs are designed for students preparing for careers in a variety of fields, including elementary, secondary, and higher education, criminal justice, law, social work, the ministry, library and archival work, politics, public administration, urban planning, and business.

## LOWER-DIVISION PREPARATION

Degree programs in the Department of Social Sciences generally assume that the student has completed the general education requirements at the freshman-sophomore level and is ready to proceed at the advanced level. In particular, the student is advised to have completed the liberal arts core requirements in English, history, political science, liberal arts, mathematics and/or science, and those students pursuing the Bachelor of Arts degree, two years of a foreign language.

## CRIMINAL JUSTICE

### OBJECTIVES

Major objectives of the criminal justice program are to offer students an opportunity to prepare for professional careers in criminal justice, to provide an opportunity for persons currently serving in the criminal justice system to continue their education, to provide courses of instruction that complement the education received by students in related disciplines, and to foster an understanding of the role and function of the criminal justice system.

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN CRIMINAL JUSTICE

- General baccalaureate degree requirements
- Liberal Arts core requirements
- A minimum grade-point average of 2.0 in upper-division courses in criminal justice, including a 2.0 average in a minimum of 12 hours taken at this university
- Students majoring in criminal justice must complete a minimum of 30 semester hours of upper-level courses in criminal justice  
Depending upon the student's career objectives, these courses are selected with the assistance of the advisor from offerings in law enforcement, correctional services, juvenile services, criminal law and procedure, and general criminal justice.
- The following core courses are required of all majors: CRIJ 3310, 3311, 3320, 3326, 4322, and 4341  
No more than one grade below "C" in any of these courses will be accepted for graduation credit.
- No more than 21 lower-division hours in criminal justice, law enforcement, or police science may be applied toward baccalaureate degree requirements
- Students majoring in criminal justice are required to complete a minor in an approved discipline or at least 18 semester hours of approved upper-division electives in related areas of study
- CRIJ 3300, The Criminal Justice System, must be completed within two semesters of entrance into the Criminal Justice program by students who have not taken the four lower-division courses titled Crime in America, Introduction to Criminal Justice, Fundamentals of Criminal Law, and the Courts and Criminal Procedure as specified in the Criminal Justice Transfer Curriculum
- All courses cross-listed between criminal justice and any other discipline must be taken as criminal justice courses



## CRIMINAL JUSTICE AS A MINOR

Criminal justice may be chosen as a minor to satisfy bachelor degree requirements in other fields. This program consists of 18 semester hours in criminal justice, at least nine of which must be advanced and include CRIJ 3300, 3320, and 3326.

### COURSE DESCRIPTIONS

## CRIMINAL JUSTICE (CRIJ)

### CRIJ 3300

#### The Criminal Justice System

Analyzes the structure, functions, and relationships of the components of the criminal justice system (police, courts, corrections). Emphasizes current issues. Course fee required.

### CRIJ 3302

#### Deviant Behavior and Its Social Impact (Same as SOCI 3302)

Study of various definitions, probable sources, and major effects of social deviance. Emphasis on evaluating strategies for reducing such deviance. Course fee required.

### CRIJ 3310

#### Ethical Issues in Criminal Justice

A study of ethical issues facing the criminal justice system. Problems confronting law enforcement, the courts and the juvenile and correctional systems are addressed. Course fee required.

### CRIJ 3311

#### Administration of Criminal Justice Agencies

Principles and practices of administration and their application to criminal justice. Relationship of theoretical administrative concepts and practical criminal justice problems. Course fee required.

### CRIJ 3320

#### Criminology

An examination of theoretical explanations of offenses and societal reactions. Also considers models of treatment, the nature and extent of crime, and control of crime. Course fee required.

### CRIJ 3322

#### Probation and Parole

The structure, organization and operation of probation and parole services. Emphasis is placed on applicable state statutes and administrative guidelines. Course fee required.

### CRIJ 3325

#### Law and Society

A study of the problems of defining criminal conduct and the appropriate social responses in a democratic society. Emphasis is placed on the adjudication of social issues, the role of discretion and ethical considerations for the criminal justice practitioner. Course fee required.

### CRIJ 3326

#### Criminal Law

An examination of the general doctrines of substantive criminal law and their application in the Texas Penal Code. Subjects considered include history and development of criminal law, definitions and elements of principal crimes, criminal liability, defenses to criminal prosecution, and criminal penalties. Course fee required.

### CRIJ 3328

#### White-Collar Crime

(Same as SOCI 3328)

Study of the causes, consequences, and control of white-collar crime. Course fee required.

### CRIJ 3330

#### Organized and Consensual Crime

Studies the history, structure, and governmental responses to organized crime; special emphasis is placed on consensual crimes such as drug abuse, prostitution, pornography, and gambling. Course fee required.

### CRIJ 4305

#### Juvenile Delinquency

(Same as SOCI 4305)

Analysis of the extent, distribution, and varieties of juvenile delinquency. Emphasis on using sociological theories and research to examine delinquency causation and prevention. Course fee required.

### CRIJ 4306

#### Drug Abuse Counseling

Intended primarily for social work and law enforcement support, this course studies the theory and practice of drug abuse counseling and rehabilitation. Course fee required.

### CRIJ 4307

#### The Juvenile Justice System

The history, philosophy, and evaluation of the juvenile court, and juvenile practices and procedures; a study of juvenile law and the role of police, correctional, and treatment officers. Course fee required.

### CRIJ 4313

#### Corrections Theory and Practice

A study of the concepts of punishment and rehabilitation and of the corrections process from conviction to release: sentencing, incarceration, treatment, and loss and restoration of rights. Course fee required.

### CRIJ 4314

#### Community-based Corrections

A survey of diversionary practices and treatment programs available to offenders in a local context. Selected nationally recognized models will be compared and contrasted. Course fee required.

### CRIJ 4315

#### Correctional Counseling

Counseling psychology with emphasis on principles and procedures; the theoretical foundations and techniques and processes of correctional psychology; psychology and counseling as applied to diversion programs, and adult and juvenile rehabilitation. Course fee required.

### CRIJ 4322

#### Criminal Justice Research Methods

Studies the methods by which factual information is generated on crime and the criminal justice system. Topics include experiments, surveys, observation, unobtrusive techniques, measurement, statistics, data analysis, and ethics in research. Course fee required.

### CRIJ 4332

#### Criminal Investigation

A study of methods of obtaining and reporting information from the crime scene, victims, complainants, witnesses, and suspects. Equal concern is given to the investigation of specific crimes. Course fee required.

### CRIJ 4340

#### Crimes of Violence

Analyzes the incidence, patterns, and causes of criminal violence, the characteristics of particular crimes (murder, robbery, rape, domestic abuse, and terrorism), and society's reaction to such violence. Course fee required.



**CRIJ 4341****Criminal Procedure**

Federal and state laws and rules of criminal procedure prior to trial. Subjects considered include law of arrest, search and seizure, interrogation and confession, identification procedures, etc. with emphasis on constitutional restraints imposed on law enforcement. Course fee required.

**CRIJ 4350****Comparative Criminal Justice**

A comparative study of modern criminal justice systems. The formal structure and informal operation of the various criminal justice models are examined, along with the cultural and historical environment in which they have developed and exist. Course fee required.

**CRIJ 4360****Topics in Criminal Justice**

The study of a contemporary problem in criminal justice. May be repeated once for credit when content changes. Course fee required.

**CRIJ 4370 & 4371****Internship Program**

An 8 to 16 week program offering a learning experience in an off-campus environment. Prerequisite: Consent of intern instructor. No more than three semester hours of internship program credit may apply to fulfillment of the major requirements in criminal justice.

**CRIJ 4099****Independent Study**

Independent study in specific areas of criminal justice not covered by organized undergraduate courses. A maximum of six credit hours of independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in criminal justice. See the "Graduate Programs" section for complete listings and descriptions.

## ECONOMICS

**DEGREE REQUIREMENTS****Bachelor of Arts and Bachelor of Science Degrees in Economics**

- A. General baccalaureate degree requirements
- B. Liberal Arts core requirements
- C. A minimum grade-point average of 2.0 in upper-division economics courses, including a 2.0 average in a minimum of six hours of economics taken at this university
- D. Nine hours of preparation comprised of:
  1. three hours of math beyond college algebra (equivalent to MATH 3310)
  2. three hours of computer applications (equivalent to COSC 3308 or 3309)
  3. three hours of statistics (equivalent to MATH 3353)
- E. A minimum of 30 hours in economics, of which 24 must be advanced, as follows:
 

1. principles of economics	6 hrs.
2. intermediate macro & micro	6 hrs.
3. additional advanced economics chosen with advisor approval	18 hrs.
<b>TOTAL 30 hrs.</b>	

- F. A minor of 18 hours in a discipline or 18 hours of guided electives designed to support the economics major chosen in consultation with the student's advisor
- G. **FOR THE BACHELOR OF ARTS DEGREE:** at least four semesters of a foreign language or a satisfactory grade on a written examination approved by the Department of Social Sciences
- FOR THE BACHELOR OF SCIENCE DEGREE:** six hours from mathematics science or social science, in addition to those otherwise counted as lower-division preparation
- H. Electives as needed to bring total hours to 124

**ECONOMICS AS A MINOR**

A minor in economics is a valuable support field for many different majors. It has proven to be particularly helpful to students majoring in political science, history, sociology, journalism and law. The minor in economics is available to all students except those majoring in a business administration field. The economics minor requires 18 hours consisting of six hours of principles and 12 additional advanced hours chosen with approval of an economics advisor.

## COURSE DESCRIPTIONS

**ECONOMICS (ECON)**

tory, and other non-business fields. Course fee required.

**ECON 3300****Economic Concepts**

Elements of production costs, demand and market structures as well as income determination and monetary and fiscal policy. This course is designed for those undergraduates who have no economics background or who have taken Principles of Economics but feel deficient in the subject matter. Students already having six hours credit in Principles of Economics will not receive additional credit for ECON 3300. Course fee required.

**ECON 3305****Comparative Economic Systems**

A survey of historical and contemporary methods of organizing a society's economic activity. The basic nature and ideology of capitalism and socialism are examined through case studies. Special attention is given to the current U.S. Soviet and Japanese economies. Also recommended for majors in political science, sociology, his-

**ECON 3310****Economic Issues in Public Policy**

The economic aspects of policy issues involving immigration, energy, budget deficits, free trade and defense are examined. The economic aspects of each are identified and policy options are evaluated. Course fee required.

**ECON 3311****Money, Banking and the Federal Reserve System**

Introduction to the role of money in a market economy with special attention given to the commercial banking system and its relation to the Federal Reserve System. Prerequisite: Six hours of principles of economics. Course fee required.



**ECON 3314****Intermediate Microeconomic Analysis**

Examines the mechanics of price determination in different competitive environments as well as the impact of government policies involving subsidies, quotas, price ceilings and taxation. The implications of economic concentration and the application of anti-trust laws to preserve competition are also reviewed. Prerequisite: six hours of principles of economics. Course fee required.

**ECON 3317****Intermediate Macroeconomic Analysis**

A study of the basic elements of Keynesian economics and its implications for understanding and directing the national economy. Economic policy debates over the nature of inflation, growth, unemployment and international trade are explored with special attention being given to monetarism supply-side and rational expectations ideas. Prerequisite: Six hours of principles of economics. Course fee required.

**ECON 4310****Central Banking and Monetary Policy**

Study of the Federal Reserve System from its inception to present. Topics include Federal Reserve history, organization and operation, monetary theory and policy, and the relationship between money and economic activity. Prerequisite: Six hours of principles of economics.

**ECON 4320****Managerial Economics**

Analytical approach to business decision-making. Primary attention is given to economic decision models and their application to business problems. Prerequisite: Six hours of principles of economics. Recommended: six hours of math and three hours of statistics.

**ECON 4330****International Trade**

A review of the rationale for trade between nations, the nature of trade balances, barriers, methods for resolving trade deficits, foreign exchange markets and international

debt are examined. Prerequisite: Six hours of principles of economics.

**ECON 4340****Economics of Growth and Development**

Strategies and policies for encouraging economic growth and development with special emphasis on the role of indigenous institutions. The status of less developed nations and the nature of the development process are reviewed. Course fee required.

**ECON 4350****Topics in Economics**

The study of a current national or international economic issue. May be repeated once for credit when topic changes. Course fee required.

**ECON 4360****Environmental Economics**

Concepts, tools of analysis, criteria and policy formulation related to areas of resource conservation and pollution abatement. Course fee required.

**ECON 4099****Independent Study**

Independent study in specific areas of economics not covered by organized undergraduate courses. A maximum of six credit hours for independent study may be applied toward an undergraduate degree. Prerequisite: Consent of department chair. Course fee required.

# POLITICAL SCIENCE

## DEGREE REQUIREMENTS

### Bachelor of Arts and Bachelor of Science Degrees in Political Science

- A. General baccalaureate degree requirements
  - B. Liberal Arts core requirements
  - C. A minimum grade-point average of 2.0 in upper-division courses in political science, including a 2.0 average in a minimum of six hours taken at this university
  - D. A minimum of 31 semester hours in political science, of which 24 must be advanced, as follows:
    1. political theory from POLS 3350, 3351, 4360  
or (when applicable) 4365 3 hrs.
    2. American politics from POLS 3330, POLS 3335, 4320,  
4330, 4340, 4352 or (when applicable) 4365 3 hrs.
    3. comparative politics from POLS 3370, 3372, 3375, 3380, 4375  
or (when applicable) 4365 3 hrs.
    4. international politics from POLS 3310, 3315, 3390, 4310  
or (when applicable) 4365 3 hrs.
    5. public administration, policy and law from POLS 3340, 3345,  
4321, 4345, 4349 or (when applicable) 4365 3 hrs.
    6. methodology, POLS 4396 and POLS 4197 or SOCI 3396  
or other approved research methods course 3-4 hrs.
    7. upper-division political science electives 6 hrs.
    8. United States and Texas government 6 hrs.
- TOTAL 30-31 hrs.
- E. A minor of at least 18 hours chosen in consultation with the student's advisor
  - F. **FOR THE BACHELOR OF ARTS DEGREE:** At least four semesters of a foreign language or a satisfactory grade on a written examination approved by the foreign language faculty
  - FOR THE BACHELOR OF SCIENCE DEGREE:** Six hours from mathematics, science, economics, geography, and/or computer science in addition to those otherwise counted as lower-division preparation.

## POLITICAL SCIENCE AS A MINOR

Political science may be chosen as a minor to satisfy requirements for certain bachelor's degree programs with majors in other fields. This program consists of 18 semester hours in political science, at least nine of which must be advanced. These nine advanced semester hours should include one course in any three of the following categories: (1) theory and methodology (2) American politics (3) comparative and international politics, and (4) public administration, policy, and law.

## TEACHER CERTIFICATION

In order to be certified to teach political science or social studies in the public schools of Texas, the student must meet state certification requirements. Courses to meet these



requirements are offered by the School of Education and Psychology and may count as part of the electives outside the political science major. At least six hours of political science must be completed at UT Tyler with a minimum grade-point average of 2.0 in political science courses, including a 2.0 average at this university.

### ELEMENTARY TEACHING SPECIALIZATION IN SOCIAL STUDIES

Political science as a component in a social studies specialization\*

- |   |               |
|---|---------------|
| A. United States and Texas Government                             | 6 hrs.        |
| B. American Political Institutions from POLS 4320, 4330, and 4340 | 3 hrs.        |
| <b>TOTAL</b>  | <b>9 hrs.</b> |

### SECONDARY TEACHING SPECIALIZATION IN POLITICAL SCIENCE OR IN SOCIAL STUDIES

- A. **Political Science as a first teaching field:** 31 hours in political science, 24 of which must be advanced

The requirements parallel those for the political science major, with certain course specializations reflecting the secondary curriculum.

- |   |                   |
|---|-------------------|
| 1. United States and Texas Government   | 6 hrs.            |
| 2. Research and Methodology<br>POLS 4396, and POLS 4197 or SOCI 3396<br>or other approved research methods course | 3-4 hrs.          |
| 3. Western Political Theory<br>POLS 3350  | 3 hrs.            |
| 4. Comparative and International Politics<br>POLS 3310, 3315, 3370, 3375 or 3390                                  | 6 hrs.            |
| 5. Public Administration and Law<br>POLS 3345 or 4321   | 3 hrs.            |
| 6. American Politics<br>from POLS 3330, 4320, 4330 and 4340   | 6 hrs.            |
| 7. Political science elective - advanced  | 3 hrs.            |
| <b>TOTAL</b>  | <b>30-31 hrs.</b> |

- B. **Political Science as second teaching field:** 24-25 hours in political science, 15 of which must be advanced

- |  |                   |
|--|-------------------|
| 1. United States and Texas Government  | 6 hrs.            |
| 2. Research and Methodology<br>POLS 4396 and POLS 4197 or SOCI 3396<br>or other approved research methods course | 3-4 hrs.          |
| 3. Western Political Theory<br>POLS 3350   | 3 hrs.            |
| 4. Comparative and International Politics<br>POLS 4375, 3310, 3315, 3370 or 3390                                 | 3 hrs.            |
| 5. American Politics<br>from POLS 3330, 3335, 4320, 4330, 4340, 4352, 3345, 4321                                 | 6 hrs.            |
| 6. Political science elective  | 3 hrs.            |
| <b>TOTAL</b>   | <b>24-25 hrs.</b> |

- C. Political science as a component in a composite social studies teaching field\*

- |  |        |
|--|--------|
| 1. Political theory POLS 3350, and one from 3351 or 4360                           | 6 hrs. |
| 2. American politics from POLS 3330, 3335, 4320, 4330, 4340 or 4352, 3345 and 4321 | 6 hrs. |
| 3. Comparative and international politics<br>from POLS 4375, 3310, 3315 or 3390    | 3 hrs. |

- |  |                   |
|--|-------------------|
| 4. Research and Methodology<br>POLS 4396 and POLS 4197 or SOCI 3396 or other approved research<br>methods course | 3-4 hrs.          |
| 5. United States and Texas Government  | 6 hrs.            |
| <b>TOTAL</b>   | <b>24-25 hrs.</b> |

\*For the other components in this teaching field, see catalog sections on history, economics, geography, sociology, anthropology and education.

## COURSE DESCRIPTIONS

### POLITICAL SCIENCE (POLS)

contemporary American foreign policy with attention given current policy toward major foreign powers. Course fee required.

#### POLS 3300 United States Constitutional Development

Emphasis is placed on constitutional principles of federalism, separation of powers, judicial review, republicanism, democracy, and limited government with an analysis of the amendments made to the United States Constitution. Attention is also given to the commerce clause, due process provisions, and equal protection of the law. May be taken in fulfillment of statutory requirements for a baccalaureate degree. Course fee required.

#### POLS 3301 Texas Government and Politics

An examination of the factors influencing the formulation and execution of public policy in the State of Texas. May be taken in fulfillment of statutory requirements for a baccalaureate degree. Course fee required.

#### POLS 3310 International Relations

An examination of the nature of the international system, of forces affecting international relations, and of the sources and resolution of conflict in international policies. Course fee required.

#### POLS 3315 American Foreign Policy

A study in the formulation and execution of

#### POLS 3330 American Political Parties

Studies significant American political parties, including third or minor parties, from the days of the Federalists and anti-Federalists to the present, with attention given to political philosophy, party platforms, and party organizations. Course fee required.

#### POLS 3335 American Campaign Politics

An analysis of the basic components of campaigns in the United States. Topics include: (1) an historical overview of elections; (2) the electoral process; (3) American voting behavior; (4) the role of media, political parties and interest groups in campaigns; (5) the strategy and tactics involved in successful campaigns. Course fee required.

#### POLS 3340 Introduction to Public Administration

An introduction to the study of the administrative branch of the United States government and the principles and processes of public administration, including those affecting state and local government. Topics include organization theory, personnel, budgeting, and bureaucratic decision-making. Course fee required.



**POLS 3345****Urban and Municipal Government**

A study of the functions and problems of urban and municipal political units. Topics include small towns and cities, taxation, home rule, minority relations, suburban politics, personnel recruitment, and intergovernmental relations. Course fee required.

**POLS 3350****Western Political Theory:  
Antiquity to the Renaissance**

Examines the major contributions to political thought from the Greeks through the 15th century. Emphasis will be placed on Plato, Aristotle, Roman and Medieval Christian theories, and Machiavelli. Course fee required.

**POLS 3351****Western Political Theory:  
The Enlightenment to the Present**

Examines the major contributions to political thought of Hobbes, Locke, Rousseau, the English Utilitarians, Marx, and representatives of major contemporary ideologies. Course fee required.

**POLS 3370****Comparative Politics**

Analysis of institutions, processes, and issues in various political systems. Focus on industrialized and developing states, liberal and authoritarian regimes, and capitalist and command economies. Investigation of techniques of comparative analysis. Course fee required.

**POLS 3372****The Politics of Russia and the CIS**

An analysis of the evolution, structure, and functioning of the Russian and the Commonwealth of Independent States forms of government. Course fee required.

**POLS 3375****European Political Systems**

Description and analysis of the major political systems in Europe. Emphasis is placed on the political systems of Great Britain, France, and Germany. Course fee required.

**POLS 3380****The Politics of Latin America**

Description and analysis of Latin American political systems. Emphasis on the structure and function of authoritarian, democratic and revolutionary regimes. Course fee required.

**POLS 3390****International Political Economy**

Focuses on basic international economic activities in their political context. Emphasizes current political economic issues such as international debt, American economic competitiveness, and trade restrictions. Course fee required.

**POLS 4310****International Conflict**

An intensive analysis of the causes and consequences of international violence. Topics include forms of aggression, arms races, and crisis decision-making. Course fee required.

**POLS 4320****The Judicial System and Process**

A study of the American judicial system and process at the local, state, and national levels. Topics include judicial selection, judicial behavior, and judicial policy-making. Course fee required.

**POLS 4321****American Constitutional Law**

An examination of the development of American constitutional law through Supreme Court interpretation. Selected issues include freedom of religion, freedom of expression and association, rights of persons accused of crimes, and problems related to racial justice. Course fee required.

**POLS 4330****The American Presidency**

An examination of the Presidency and its development in the American political system. Course fee required.

**POLS 4340****Congress and Legislation**

An examination of Congress and its development in the American political system, the legislative process and the influence of pressure groups. Course fee required.

**POLS 4345****Public Policy Analysis**

An analysis of the role federal, state and local administrative agencies play in policy formulation and implementation. Topics include policy development, mobilization and allocation of resources. Individual policy areas will be examined. Course fee required.

**POLS 4349****Planning for the Urban Future**

Covers the background and development of modern urban planning practices and techniques. The course examines the development and implementation of the comprehensive plan with attention to such elements as land use, housing, zoning, aesthetics, and transportation. Additional attention is given to current topics including economic development, growth management, and geographic information systems. Course fee required.

**POLS 4352****Political Attitudes and Behavior**

An analysis of the process by which political beliefs are formed, as well as their relationship to political participation, public opinion, and governmental action. Course fee required.

**POLS 4355****Politics and Media**

Examines the politics of media with emphasis on the political-economic nature of institutions of the mass media, the use of communicative codes, and the social and political implications of media illiteracy. Course fee required.

**POLS 4360****American Political Thought**

Analyzes a number of traditions in American political life, including ideas in the colo-

nial and constitutional periods, nineteenth century individualism, arguments over sectionalism and slavery, progressivism, pragmatism, and contemporary debates over the state and the economy. Course fee required.

**POLS 4365****Topics in Political Science**

Studies in political science to include such topics as global and regional politics, American political processes, or political and social philosophy. Up to six semester hours may be applied to a degree. No topics may be repeated. Course fee required.

**POLS 4370 & 4371****Internship Program**

An 8 to 16 week program offering a learning experience in an off-campus environment. Students may be asked to share experiences and discuss common problems. May be taken for graduate credit. Prerequisite: Consent of department chair. No more than three semester hours of internship program credit may apply to fulfillment of the major or teaching field requirements in political science. Graduate credit must be in addition to the prescribed graduate degree requirements.

**POLS 4375****Political Change in Traditional  
and Modern Societies**

An examination of political development in traditional and contemporary societies with particular emphasis on the impact of modernization in developing countries. Theories which recommend varying goals and preferred developmental processes are evaluated through case studies of western and third world countries.



**POLS 4396****Political Research and Methodology**

Studies literature review, research design and technique, and application of statistical concepts to problems of current interest in political science. Required of all political science majors and students seeking a secondary teaching specialization in political science. Prerequisite: Consent of instructor. Concurrent enrollment in POLS 4197 required.

**POLS 4197****Political Research and Methodology Laboratory**

Offers instruction in library research, data collection, and applications of statistical analysis and computer use. Course fee required.

**POLS 4099****Independent Study**

Independent study in specific areas of political science not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in political science. See the "Graduate Programs" section for complete listings and descriptions.

**SOCIOLOGY****DEGREE REQUIREMENTS****Bachelor of Arts and Bachelor of Science Degrees in Sociology.**

- A. General baccalaureate degree requirements
- B. Liberal Arts core requirements
- C. A minimum grade point average of 2.0 in upper-division courses in sociology, including a 2.0 average in a minimum of six hours taken at this university
- D. A minimum of 30 semester hours of sociology, of which at least 24 must be advanced, as follows:
 

SOCI 3315	3 hrs.
SOCI 3341 or SOCI 4340	3 hrs.
SOCI 4307 or SOCI 4308	3 hrs.
SOCI 3302 or SOCI 4305	3 hrs.
SOCI 4380	3 hrs.
An approved research methods course	3 hrs.
At least two upper-division sociology courses (SOCI 3397 required for Bachelor of Science)	6 hrs.
Sociology electives (upper or lower-division) (CRIJ 3320 and an anthropology course may be included)	6 hrs.
<b>TOTAL</b>	<b>30 hrs.</b>
- E. A minor of at least 18 hours chosen in consultation with the student's major advisor
- F. **THE BACHELOR OF ARTS DEGREE:** At least four semesters of a foreign language or a satisfactory grade on a written examination approved by the foreign language faculty.

**FOR THE BACHELOR OF SCIENCE DEGREE:** Besides SOCI 3397, six hours from mathematics, science, economics, geography, and/or computer science in addition to those otherwise used for meeting general baccalaureate degree requirements.

**SOCIOLOGY AS A MINOR**

Sociology may be chosen as a minor to satisfy requirements for certain bachelor's degree programs with majors in other fields. This program consists of 18 semester hours in sociology, at least twelve hours of which must be advanced, which the student chooses in consultation with the major advisor.

**TEACHER CERTIFICATION**

In order to be certified to teach sociology or social studies in the public schools of Texas, the student must meet state certification requirements. Courses to meet these requirements are offered by the School of Education and Psychology and may count as a part of the electives outside the sociology major. At least six hours of sociology must be completed at UT Tyler with a minimum grade point average of 2.0 in sociology courses, including a 2.0 average at this university.

**ELEMENTARY TEACHING SPECIALIZATION**

Sociology as a component in a social studies specialization\*

Sociology/Anthropology

SOCI 3341 and ANTH 3330

6 hrs.

\*For the other components in this specialization, see catalog sections on political science, history, economics, geography and education.

**SECONDARY TEACHING SPECIALIZATION IN SOCIOLOGY OR SOCIAL STUDIES**

A. Sociology as a first teaching field: see list of required sociology courses under degree requirements in sociology.

B. Sociology as a second teaching field

SOCI 3315 3 hrs.

SOCI 3341 or SOCI 4340

3 hrs.

SOCI 4307 or SOCI 4308

3 hrs.

SOCI 4380 3 hrs.

an approved research methods course

3 hrs.

upper-division sociology elective

3 hrs.

sociology electives 6 hrs.

**TOTAL** 24 hrs.

C. Sociology as a component in a composite social studies teaching field\*

sociology/anthropology elective

3 hrs.

\*For the other components in this teaching field, see catalog sections on political science, history, economics, geography, and education.



## COURSE DESCRIPTIONS

### SOCIOLOGY (SOCI)

#### SOCI 3302

**Deviant Behavior (Same as CRIJ 3302)**  
Study of various definitions, probable sources, and major effects of social deviance. Emphasis on evaluating strategies for reducing such deviance. Course fee required.

#### SOCI 3306

**Social Psychology**  
Theories, methods, and applications in social psychology; the nature and type of social variables and methods used to study them. Course fee required.

#### SOCI 3315

**Social Stratification**  
Study of systems of social inequality with emphasis on modern western societies. Course fee required.

#### SOCI 3321

**Multi-Cultural Studies**  
Studies relations among cultural groups. Course fee required.

#### SOCI 3328

**White-Collar Crime (Same as CRIJ 3328)**  
Study of the causes, consequences, and control of white-collar crime. Course fee required.

#### SOCI 3341

**Marriage and Family Life**  
Examines the structure, function, and major changes in the family as a basic social institution. Emphasis on the family in the United States. Course fee required.

#### SOCI 3345

**Medical Sociology**  
Studies health practices and practitioners and their relation to patients, health problems, and society. Course fee required.

#### SOCI 3380

**Population Problems**  
Examines world population trends, with emphasis on the contemporary United States. Focus is on social and economic problems resulting from population growth and imbalances as well as on solutions to these problems. Course fee required.

#### SOCI 3396

**Social Research Methods**  
Designed to provide the student with the opportunity to become familiar with statistical concepts, research design, and techniques of research as applied to research problems of current interest in sociology. Course fee required.

#### SOCI 3397

**Field Research**  
Provides students an opportunity to augment and use skills learned in previous research courses. Prerequisite: an approved research methods course. Course fee required.

#### SOCI 4305

**Juvenile Delinquency (Same as CRIJ 4305)**  
Analysis of the extent, distribution, and varieties of juvenile delinquency. Emphasis on using sociological theories and research to examine delinquency causation and prevention. Course fee required.

#### SOCI 4307

**Urban Sociology**  
Deals with problems of urban society, approaches to urban planning and contemporary problems, economic and physical concerns, and the social impact of urban life on institutions. Course fee required.

#### SOCI 4308

**The American Community**  
Study of the development and structure of the American community with emphasis on the community as a complex of human re-

lations through which a population meets its needs. Course fee required.

#### SOCI 4311

**Majority-Minority Relations**  
Examines the policies and practices of dominant social groups and the responses of racial and ethnic minorities. Focus is upon the United States. Recommended: SOCI 3315 or SOCI 3321. Course fee required.

#### SOCI 4320

**Introduction to Social Work**  
Study of applied social work in contemporary society. Course fee required.

#### SOCI 4321

**Methods of Social Work**  
Introduces basic approaches to social work, in view of current theory, utilizing a problem-solving approach. Course fee required.

#### SOCI 4330

**Social Services**  
Surveys the extent and nature of social services available by agencies and institutions, public and private. Course fee required.

#### SOCI 4340

**Sex Roles and the Life Cycle**  
Examines the changes and problems which males and females experience as their roles and stages in the life cycle change. Course fee required.

#### SOCI 4360

**Topics in the Sociology of Institutions**  
Research and theory in selected social institutions. May be repeated once when content varies. Course fee required.

#### SOCI 4370 and 4371

**Internship Program**  
An 8 to 16 week program offering an opportunity for a learning experience in an off-campus environment. Students may be asked to share experiences and discuss common problems. May be taken for graduate credit. Prerequisite: Consent of department chair. No more than three semester hours of internship program credit may apply to fulfillment of the major and teaching

field requirements in sociology. Graduate credit must be in addition to the prescribed graduate degree requirements.

#### SOCI 4380

**Sociological Theory**  
Studies the development of sociological theory with emphasis on contemporary ideas and trends. Required of all sociology majors and students seeking a teaching specialization in sociology. Course fee required.

#### SOCI 4099

**Independent Study**  
Independent study in specific areas of sociology not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

### GRADUATE COURSES

Graduate courses are offered in sociology. See the "Graduate Programs" section for complete listings and descriptions.



## OTHER COURSE DESCRIPTIONS

Students may take geography courses to satisfy minor requirements and anthropology courses as electives.

### ANTHROPOLOGY (ANTH)

#### ANTH 3330 Cultural Anthropology

Using anthropological perspectives, this course studies the nature and transmission of human culture. While the focus is upon cultures of the past, including hunters and gatherers and horticulturalists, the course also discusses anthropological findings related to modern cultures. Course fee required.

#### ANTH 3360 Archaeology

Examines the beginnings of human cultures and the methods used to reconstruct and interpret the prehistoric human past. Includes consideration of the ethics of archaeological research as well as the question of who should be the guardian of human remains. Considers contemporary applications of archaeology as well as its relation to other disciplines. Latter part of the course will focus on archaeology of North America and Texas. Course fee required.

#### ANTH 3380 Physical Anthropology

Studies the relationship between human populations and the physical environment. Using fossil and other physical evidence, the course examines human evolution, culture and genetics, race distributions, and patterns of cultural adaptation to geography and climate. Course fee required.

#### ANTH 4360 Topics In Anthropology

Selected topics in an identified area of anthropology or study of a specific cultural group. May be repeated once for credit when topic varies.

### GEOGRAPHY (GEOG)

#### GEOG 3310 World Regional Geography

Analyzes cultural patterns in terms of physical, locational, social and economic processes. World regions are described and compared. Course fee required.

#### GEOG 3320 Physical Geography

Provides students the opportunity to acquire a general understanding of physical systems that affect the environment. Relationships among climate, landforms, soils and vegetation will be presented in a geographical perspective. Course fee required.

#### GEOG 3325 North American Geography

Landscapes of the United States and Canada will be surveyed through a regional approach with emphasis on land use patterns, population dynamics, resources and spatial interactions. Course fee required.

#### GEOG 4325 Latin American Geography

Examines the natural and cultural landscapes of Latin America. Geographic issues affecting cultural patterns, resources, and land use will be discussed. Course fee required.

#### GEOG 4330 Geographic Information Systems

Fundamentals of geographic information systems, including data capture, storage, processing, and output. Applications to various problems in the natural and social sciences. May be taken for graduate credit with consent of instructor. Extended computer access fee required.

#### GEOG 4350 Spatial Analysis in Geography

Provides an introduction to quantitative concepts and methods in geographical analysis. Focuses on interpretation and analysis of spatial problems such as location of markets, industries, transport, and agriculture using both geographical theories and statistical methods. Course fee required.

#### GEOG 4360 Cartography and Remote Sensing

Map interpretations and construction and applications of geographic information systems and remote sensing methods. Prerequisite: three hours of geography or consent of instructor. Course fee required.

#### GEOG 4365 Topics In Geography

Studies in geography to include such topics as historical geography, economic geography, and cultural geography. May be repeated once for credit when topic varies.

## DEPARTMENT OF THEATRE AND COMMUNICATION

Wallin S. McCardell, chair

The Department of Theatre and Communication offers bachelor degrees in theatre, journalism, and speech communication; elective courses in journalism, speech communication and theatre; and supplementary programs for undergraduates in other disciplines. At the graduate level, the department participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies.

### JOURNALISM

#### OBJECTIVES

Whether one seeks a career in teaching, law, the ministry, business, government, the arts, or social services, the ability to communicate is essential to success. The journalism program seeks to offer students an opportunity to prepare for professions in print and photo-journalism, public relations, advertising, and related professions which demand written communication skills.

#### LOWER-DIVISION PREPARATION

Since this is an upper-level institution, all prospective students should complete certain foundation courses before entering. In addition to general education requirements for a



bachelor's degree, students desiring to major in journalism are advised to complete at least nine hours in their major at the freshman-sophomore level.

### OPTIONS:

- A. **B.A. in Journalism:** 36 hours in journalism, 24 of which must be advanced; 18 hours in a minor; four semesters of a foreign language.
- B. **B.S. in Journalism:** 36 hours in journalism, 24 of which must be advanced; 18 hours in a minor; six hours of mathematics, science, economics, geography and/or computer science, in addition to those otherwise counted as lower-division preparation
- C. Minor in Journalism: 18 hours in journalism, 12 of which must be advanced
- D. Secondary-teacher certification:
  1. Journalism as a first teaching field or as a single teaching field  
B.A. or B.S. in journalism:  
Completion of requirements for the B.A. or B.S. in journalism including JOUR 3356 and prescribed courses in education
  2. Journalism as a second teaching field: 24 hours in journalism, 12 of which must be advanced, including JOUR 3356; prescribed courses in a first teaching field, and prescribed courses in education
  3. Journalism as a component in a language arts specialization; six hours in journalism including JOUR 3356; 57 hours in other language arts disciplines; and prescribed education courses

## BACHELOR OF ARTS DEGREE REQUIREMENTS IN JOURNALISM

- A. General degree requirements
- B. Liberal arts core requirements
- C. A minimum grade point average of 2.0 in journalism courses, including a 2.0 average at UT Tyler
- D. Thirty-six semester hours of journalism, 24 of which must be advanced, at least nine of which must be taken at this university as follows:
 

JOUR 3305	3 hrs.
JOUR 3301	3 hrs.
JOUR 3318	3 hrs.
JOUR 3385	3 hrs.
Journalism, 3000-4000 level	12 hrs.
Additional journalism	12 hrs.
TOTAL 36 hrs.	
- E. A minor of at least 18 semester hours chosen in consultation with the Department of Theatre and Communication and the department offering the minor
- F. Four semesters of an approved foreign language  
The student may also complete this requirement by passing a written examination approved by the foreign language faculty.

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN JOURNALISM

The B.S. degree requirements in journalism are the same as those for the B.A. degree except that instead of a foreign language requirement, the student is required to take six hours of mathematics, science, economics, geography and/or computer science, in addition to those otherwise counted as lower-division preparation. These six hours may be taken at the lower- or upper-division.

### JOURNALISM AS A MINOR

Journalism may be chosen as a minor to satisfy bachelor degree programs with majors in other fields. This program requires 18 hours of journalism, 12 of which must be advanced. Courses are selected by the student in consultation with a member of the Department of Theatre and Communication.

## COURSE DESCRIPTIONS

### JOURNALISM (JOUR)

#### JOUR 3301 Feature Writing

A study of the purposes, character, and subject matter of feature stories. Emphasis is placed on writing and marketing the feature for magazines and newspapers. Students will contribute features to the student newspaper. Concurrent enrollment in JOUR 3120 may be required. Course fee required.

#### JOUR 3305 Writing for the Media

A study of writing for the print media, public relations and advertising, and broadcast media. Course fee required.

#### JOUR 3311 Editing, Layout, and Design

An examination of theories governing newspaper and magazine makeup. Students are given the opportunity to acquire practical experience in news editing as staff members of the student newspaper with emphasis on editing, layout, and design. Concurrent enrollment in JOUR 3120 may be required. Course fee required.

#### JOUR 3318 Law of the Press

A study of statutory and case law relevant to libel and slander in the United States. Particular attention is given to Texas law, contempt of court, privacy, and constitutional and legislative guarantees. Course fee required.

#### JOUR 3120 Publications Laboratory

Laboratory experience in publication production techniques. May be repeated three times for credit.

#### JOUR 3333 Photography Techniques and Composition

A study of the theories of film, exposure, development, flash, and printing and their application to the principles of design and composition. Prerequisite: Concurrent enrollment in JOUR 3134. Course fee required.



**JOUR 3134****Photography Techniques and Composition Laboratory**

Operation of cameras, development of film, and printing of pictures. Prerequisite: Concurrent enrollment in JOUR 3333. Laboratory fee required.

**JOUR 3340****Journalism Advertising**

Advertising with an emphasis on the print and electronic media. Layout, design, evaluation, and journalistic terminology are emphasized. Course fee required.

**JOUR 3350****Cinematography**

Study and practice of the fundamentals of film theory and production. Course fee required.

**JOUR 3351****Advertising Copy and Layout**

An intensive study of the writing of advertising copy and the principles of advertising layout for the print and broadcast media. Prerequisite: JOUR 3340 or consent of instructor. Concurrent enrollment in JOUR 3120 may be required. Course fee required.

**JOUR 3356****Electronic Publishing**

Emphasizes use of microcomputers in typographic and graphic design and production. Journalistic applications of still video photography, pagination, desktop publishing, advertising, on-line data applications for reporting, advertising, public relations, and project management. Course fee required. Extended computer access fee required.

**JOUR 3360****Graphic Design and Editing**

A study of use and layout of photographs in newspapers, magazines, television, types of printing, caption writing, the picture story, picture essay, and multi-image presentations. Students will be given the opportunity to acquire experience in publication and broadcast production assignment. Course fee required.

**JOUR 3375****Public Relations**

Nature of communication, public opinion and persuasion, principles and techniques, media use, and applications to businesses, schools, churches, and civic organizations. Course fee required.

**JOUR 3380****Communications Technology**

Experience in operation of equipment used for recording, retrieving, and communicating information. Emphasis will be on message design, information delivery systems and their application to communication theory for small and mass audiences. Course fee required.

**JOUR 3385****History of Mass Media**

Study of the development and growth of American media from colonial times to the present; examination of the social, economic and political relationships of the media within historical environments. Course fee required.

**JOUR 3390****Technical Writing**

A study of the essential elements and techniques of report writing for a variety of technical disciplines. Students will be given the opportunity to write technical reports based on material from their area of interest. Course fee required.

**JOUR 4300****Opinion Writing**

Emphasizes analysis of current public issues and writing about those issues. Students will write editorials, columns, critical reviews and news analysis pieces and study current public issues. Course fee required.

**JOUR 4310****Community Journalism**

A critical study of contemporary local, state, and national current events and how they are treated by the mass media serving towns and cities or homogeneous communities within urban areas. Course fee required.

**JOUR 4325****Radio-Television News Writing**

The study and practice of television broadcasting. Emphasis is placed upon learning the differences between print and electronic journalism news writing. Stories will be written and delivered for both radio and television. Studio and newsroom procedures will be examined. Prerequisite: JOUR 3300 or consent of instructor. Course fee required.

**JOUR 4329****Topics in Journalism**

A study of selected journalism topics with emphasis on current ideas and literature. May be repeated once for credit when content changes. Course fee required.

**JOUR 4331****Public Relations for the Health Professions**

Principles, techniques, and ethics used in planning programs for the health professions, with emphasis on planning, writing, editing, and production of a wide range of public relations communication materials. Course fee required.

**JOUR 4333****Electronic Photography**

Study of the theories of digital imaging, exposure, lighting; emphasis on the ethical implications of electronic manipulation of photographs for news publications. Course fee required.

**JOUR 4335****Business and Industrial Publications**

Study of the problems relating to staff selection, publication content, copy, layout, photography, printing, advertising and business operations. May be taken for graduate credit with consent of advisor. Course fee required.

**JOUR 4350****World Communication Systems**

Study of the role of the media under various political systems and of the impact of communication technology on national development. May be taken for graduate credit with consent of advisor. Course fee required.

**JOUR 4360****Public Affairs Reporting**

A study of the link between the mass media and government and the role of media in politics and government. Emphasis will be placed on research, planning, and covering such public affairs news sources as the courts, schools, local government, social problems, and other areas involving public issues. Course fee required.

**JOUR 4361****Ethics in Media**

A study of the ethical issues in mass media in such areas as censorship, conflict of interest, portrayal of minorities, media as accessory to criminal action, fairness, sensationalism, and the pursuit of news and profit. Emphasis will be on journalism, public relations, advertising, and broadcasting. Course fee required.

**JOUR 4363****Public Relations Case Studies**

Application and analysis of public relations principles to cases in business and industry, government, institutions, trades and professions. Prerequisite: JOUR 3375 or consent of instructor. Course fee required.

**JOUR 4365****Problems in Public Relations**

Course will focus on planning, budgeting, and managing public relations campaigns in four primary areas: government, non-profit, corporate, and political. Prerequisite: JOUR 3375 or consent of instructor. Course fee required.

**JOUR 4368, 4668****Field Experience in Journalism**

Study of journalism facilities, personnel, procedures, and field research which includes travel. Classroom lectures and seminar methods supplement the field experience. Prerequisite: Consent of instructor. Course fee required.



**JOUR 4370, 4371****Undergraduate Internship Program**

An 8-to-16 week program offering a learning experience in an off-campus environment. Prerequisite: Consent of department chair.

**JOUR 4099****Independent Study**

Independent study in specific areas of journalism not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in journalism. See "Graduate Programs" section for complete listings and descriptions.

**SPEECH COMMUNICATION****OBJECTIVES**

Whether one seeks a career in teaching, law, the ministry, business, government, the arts, or social services, the ability to communicate is essential to success. The speech communication program offers the student an opportunity to develop effective communication skills through courses in speech education, public address, interpersonal and small group communication, organizational communication, and oral interpretation of literature.

**LOWER-DIVISION PREPARATION**

Since this is an upper-level institution, prospective students are advised to complete foundation courses in public address, voice and articulation, and interpersonal communication before entering. In addition to liberal arts core requirements for a bachelor's degree, students desiring to major in speech communication should complete at least nine hours in their major at the freshman-sophomore level.

**OPTIONS:**

- A. B.A. in speech communication: 36 hours in speech communication, 21 of which must be advanced; 18 hours in a minor; and four semesters of a foreign language
- B. B.S. in speech communication: 36 hours in speech communication, 21 of which must be advanced; 18 hours in a minor; and six hours of mathematics, science, economics, geography and/or computer science, in addition to those otherwise counted as lower-division preparation
- C. Speech communication as a minor: 18 hours of speech communication, nine of which must be advanced
- D. Elementary teacher certification: 21 hours in speech communication, 12 hours of which must be advanced; and prescribed education courses

- 1st specialization: 21 hours in speech communication
- 2nd specialization: 18 hours in speech communication

**E. Secondary-Teacher Certification**

1. Speech communication as a first teaching field or as a single teaching field, B.A. or B.S. in speech communication: Completion of the requirements for the B.A. or B.S. degree in speech communication; prescribed courses in a second teaching field, and prescribed education courses
2. Speech communication as a second teaching field, twenty-four hours of speech communication, 12 of which must be advanced; prescribed courses in a first teaching field; and prescribed education courses.

**BACHELOR OF ARTS DEGREE REQUIREMENTS  
IN SPEECH COMMUNICATION**

- A. General baccalaureate degree requirements
- B. Liberal arts core requirements
- C. A minimum grade of "C" in speech communication courses
- D. Thirty-six semester hours of speech communication, 6 hours of which must include experiences in public speaking, 21 of which must be advanced, and at least 12 of which must be taken at this university as follows:
 

SPCM 3320	3 hrs.
SPCM 4320	3 hrs.
SPCM 3325 or 4326	3 hrs.
Speech Communication 3000-4000 level	12 hrs.
Additional speech communication (up to six hours of theatre may be substituted)	15 hrs.
<b>TOTAL 36 hrs.</b>	
- E. A minor of at least 18 hours chosen in consultation with the student's advisor
- F. Four semesters of an approved foreign language  
The student may also complete this requirement by passing a written examination approved by the foreign language faculty.

**BACHELOR OF SCIENCE DEGREE REQUIREMENTS  
IN SPEECH COMMUNICATION**

The B.S. degree requirements in speech communication are the same as those for the B.A. degree except that instead of a foreign language requirement, the student is required to take six hours of mathematics, science, economics, geography and/or computer science, in addition to those otherwise counted as lower-division preparation. These six hours may be taken at the lower- or upper-division.

**SPEECH COMMUNICATION AS A MINOR**

Speech communication may be chosen as a minor to satisfy certain bachelor degree programs with majors in other fields. This program consists of 18 semester hours in speech communication, at least nine of which must be advanced.



## TEACHER CERTIFICATION

Candidates for elementary teaching certificates should pursue the Bachelor of Science degree in Interdisciplinary Studies or a standard academic major related to the Texas public school curriculum. Candidates for secondary teaching certificates should pursue a standard academic major. For other certification requirements, consult the "School of Education and Psychology" section of this catalog.

## ELEMENTARY TEACHING CERTIFICATION

- A. Speech communication as a first teaching specialization A minimum grade of "C" in the following courses:

1. SPCM 3320 or 4320	3 hrs.
2. SPCM 3325, or 4326	3 hrs.
3. SPCM 4301 or 4302	3 hrs.
4. THTR 4321 or 3320	3 hrs.
5. Elective speech communication courses	9 hrs.
(Up to six hours of theatre may be substituted)	

Total 21 hrs.

- B. Speech communication as a second teaching specialization

1. SPCM 3320 or 4320	3 hrs.
2. SPCM 3325 or 4326	3 hrs.
3. SPCM 4301 or 4302	3 hrs.
4. THTR 4321 or 3320	3 hrs.
5. Elective speech communication courses	6 hrs.
(Up to six hours of theatre may be substituted)	

Total 18 hrs.

## SECONDARY TEACHING CERTIFICATION

- A. Speech communication as a single teaching field or as the first of two teaching fields

See requirements for the Bachelor of Arts or Bachelor of Science degree in speech communication.

- B. Speech communication as the second of two teaching fields

A minimum as specified below, including at least 12 hours at this university:

1. SPCM 3320 or 4320	3 hrs.
2. SPCM 3325 or 4326	3 hrs.
3. SPCM 4301 or 4302	3 hrs.
4. SPCM 3322	3 hrs.
5. Speech communication elective courses	12 hrs.
(Up to six hours of theatre may be substituted)	

Total 24 hrs.

- C. Speech communication as a component in a language arts specialization  
9 hours in speech communication (SPCM 3320, 4301 or 4302 and 4326); 54 hours in other languages arts disciplines; and prescribed education courses.

## COURSE DESCRIPTIONS

## SPEECH COMMUNICATION (SPCM)

in the classroom, workplace, and other common areas. Discriminative, comprehensive, therapeutic, critical, and appreciative listening are discussed. Standardized listening tests administered. Course fee required.

## SPCM 3320

## Advanced Interpersonal Communication

A study of the human communication process within dyadic relationships. Topics include communication styles, skills, and methods of interpersonal communication competency. Course fee required.

## SPCM 3321

## Business and Professional Speaking

Principles of speech communication are applied to the communication needs of the professional. Public communication, small group communication and interviewing are explored as they relate to the business/professional arena. A practical/applied orientation is taken with an emphasis on selection interviews, problem solving, the oral presentation and advocacy of ideas. Course fee required.

## SPCM 3322

## Small Group Communication

A study of group process and interaction; the concepts of leadership and effective participation. Course fee required.

## SPCM 3325

## Persuasive Communication

Theories of communication and psychology applied to the study of persuasion as a motivating force in human conduct. Focuses on persuasion in advertising, sales speaking, and prominent persuasive speakers including political figures. Course fee required.

## SPCM 3330

## Improving Listening Abilities

In-depth study of the roles, processes, needs, and types of listening encountered

## SPCM 3340

## Speech Activities

Participation in speech tournaments, festivals, and public performances. Open to any student interested in performance activities in speech. Prerequisite: Consent of instructor. May be repeated once for credit. Course fee required.

## SPCM 4301

## Group Interpretation of Literature

Activity course aimed at developing the student's expressiveness and interpretative abilities in presenting literature orally in multiple reading situations and at developing a deeper understanding and appreciation of literature. Emphasis on creativity in Reader's Theatre design and production. Course fee required.

## SPCM 4302

## Advanced Oral Interpretation of Literature

Analysis, arrangement, cutting, and oral and physical presentation of literature for an audience with experiences in solo, duet, and group reading. Course fee required.

## SPCM 4315

## Organizational Communication

An analysis of the flow of communication within formal organizations with emphasis on the interrelationship between interpersonal, small group and mass communication. Course fee required.



**SPCM 4320****Communication Theory**

Interdisciplinary overview of communication theories from the perspective of the anthropologist, sociologist, educator, psychiatrist, philosopher, and scientist including theoretical models, symbolic transformation, and attitude formation change. Course fee required.

**SPCM 4326****Advanced Public Speaking**

An advanced course in the composition and delivery of speeches for various occasions, in audience analysis, and in speech criticism. Course fee required.

**SPCM 4327****Contemporary Rhetoric**

Investigation of the shifting rhetorical climate of today's society and the changing modes of communication. Course fee required.

**SPCM 4330****Techniques of Interviewing**

Places interviewing in a communication perspective and explores various kinds of interviewing, such as informational, persuasive, employment, counseling, and journalistic. Course fee required.

**SPCM 4331****Intercultural Communication**

An examination of the relationship between communication and culture. The general concepts of intercultural communication, intercommunity communication, and relevant contrast-cultural and ethnic groups are examined. Designed primarily to satisfy the multicultural requirements for elementary and secondary teachers. Course fee required.

**SPCM 4332****Investigating Communication**

Review of research in the discipline, including historical, descriptive, and experimental. The focus is on design, measurement, and hypothesis testing. Course fee required.

**SPCM 4360****Topics in Communication**

A study of the application of communication in both professional and personal life. Such areas as teaching, business, listening, parliamentary procedure, and other studies more specialized than those currently offered in other courses may be included. May be repeated once for credit when content changes. Course fee required.

**SPCM 4368, 4668****Field Experience in Communication**

Provides the student with the opportunity to conduct field research in communication on a given topic which includes some travel. Classroom experiences employing lecture and seminar methods supplement the field experience. Prerequisite: Consent of instructor. Course fee required.

**SPCM 4370 & 4371****Undergraduate Internship Program**

An 8-to-16 week program offering a learning experience in an off-campus environment. Prerequisite: Consent of department chair.

**SPCM 4099****Independent Study**

Independent study in specific areas of speech not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in speech communication. See the "Graduate Programs" section for complete listings and descriptions.

**THEATRE****OBJECTIVES**

The theatre program, its faculty, and guest artists are committed to the highest levels of artistic standards in scholarship, education, production, and performance. Theatre is notable in the historic development of the arts and remains the most collective of all art forms. The educational pursuit of theatre represents the study of artistic participation as a humanizing force.

The objective of theatre play preparation at UT Tyler reinforces the academic growth of the theatre student, encourages edification and self fulfillment of the artist. The program enhances disciplined artistic development, thereby preserving the rich heritage of theatre performance and dramatic literature while striving to present the finest quality educational theatre productions of the university community and the residents of the East Texas area.

The theatre program provides a broad-based education in theatre for the student population of the university community through its general education fine arts courses and encourages participation and attendance at theatre productions.

**LOWER-DIVISION PREPARATION**

Because this is an upper-level institution, all prospective students should complete lower-level foundation courses before matriculation as specified in the University and School of Liberal Arts core requirements. In addition to the general education requirements for a bachelor's degree, students desiring to major in theatre are advised to complete at least 11 hours of lower-level courses from the following theatre areas: Introduction to Technical Production, Stage Make-up, Theatre Speech (voice and articulation) and Acting.

**OPTIONS:**

- A. B.A. in theatre: at least 36 hours in theatre chosen in consultation with the director of theatre and the student's advisor, 24 of which must be advanced; 18 hours in a minor; and four semesters of a foreign language.
- B. Theatre as a minor: at least 19 hours in theatre chosen in consultation with the director of theatre and the student's advisor, 12 of which must be advanced.
- C. Secondary teacher certification
  1. Theatre arts as a first teaching field or as a single teaching field: B.A. in Theatre; prescribed courses in a second teaching field and prescribed education courses.
  2. Theatre arts as a second teaching field: At least twenty-six hours of theatre chosen in consultation with the director of theatre and the student's advisor, 12 of which must be advanced; prescribed courses in a first teaching field; and prescribed education courses.



## BACHELOR OF ARTS DEGREE REQUIREMENTS IN THEATRE

- A. General baccalaureate degree requirements
- B. Liberal arts core requirements
- C. A minimum grade point average of 2.25 in theatre major courses, and a minimum grade point average of 2.0 at UT Tyler
- D. At least thirty-six hours chosen in consultation with the director of theatre and the student's advisor, including 24 hours of upper-division theatre courses, at least 12 of which must be taken at this university
  - 1. Lower-division requirements
    - a. Introduction to Theatre 3 hrs.
    - b. Introduction to Technical Production or Stage Make-up 3 hrs.
    - c. Theatre Speech (voice and articulation) 3 hrs.
    - d. Acting 3 hrs.
  - sub-total 12 hrs.
  - 2. Upper-division requirements chosen in consultation with the director of theatre and the student's advisor.
  - sub-total 24 hrs.
  - Total core hours 36 hrs.
- E. Four semesters of an approved foreign language  
The student may also complete this requirement by passing a written examination approved by the Foreign Language faculty and the Department of Theatre and Communication.
- F. A minor of at least 18 hours, six of which must be advanced, chosen from a related discipline in consultation with the student's advisor and the department offering the minor

## THEATRE AS A MINOR

Theatre may be chosen as a minor to satisfy bachelors degree requirements in other fields. The theatre minor requires at least 19 hours of theatre courses, 13 of which must be advanced, and six hours completed at this university. The minor requires a minimum grade-point average of 2.0 in theatre courses. The required courses for the minor are chosen in consultation with the director of theatre and the student's advisor.

## TEACHER CERTIFICATION

Candidates for secondary teaching certificates should pursue a standard academic major. For other certification requirements, consult the "School of Education and Psychology" section of this catalog.

## SECONDARY TEACHING CERTIFICATION

- A. Theatre Arts as a single teaching field or as the first of two teaching fields: see requirements for the Bachelor of Arts in Theatre. Theatre course 4360 must be included in the student's theatre degree courses.
- B. Theatre Arts as the second of two teaching fields: a minimum of 26 hours chosen in consultation with the director of theatre and the student's advisor.

## THEATRE PRODUCTION PARTICIPATION AND ATTENDANCE

Participation in the theatre program's productions is open to all members of the university community, and when conditions warrant, participation from individuals in the East Texas region is encouraged. The UT Tyler theatre program is committed to non-traditional and equal opportunity casting of all theatre productions.

Students who seek a major, minor or teaching certification in theatre are required to audition for, be assigned production responsibility for (as needed), and be in attendance at all theatre program faculty-directed productions. Students who seek a major, minor or teaching certification in theatre, regardless of theatre emphasis, are expected to accept any role for which they are cast for any production responsibility assigned. Exceptions to these requirements must be addressed to the director of the theatre.

## COURSE DESCRIPTIONS

### THEATRE (THTR)

#### THTR 3320

##### Children's Theatre

Experiences in various types of dramatic performances especially for children. Course fee required.

#### THTR 3329

##### Theatre History:

##### Aeschylus to Shakespeare

A study of the development of theatre and dramatic literature from the Greeks to the Elizabethans. Course fee required.

#### THTR 3330

##### Theatre History: Moliere to the Present

A study of the development of theatre and dramatic literature from the Elizabethans to the present. Course fee required.

#### THTR 3340

##### Acting: Avocational

Scene study including basic techniques of performance with experience in preparation and presentation. Intended for the non-major with an interest in avocational acting and open to all students.

#### THTR 3350

##### Acting: Applied Techniques

Scene study and practical experience in the theories and techniques of creating a char-

acter for the stage. Investigation of the acting methods of Stanislavski, Method acting, Hagen exercises and improvisation. Prerequisite: THTR 3340, and equivalent course or consent of instructor. Course fee required.

#### THTR 3351

##### Theatre Activities

A laboratory experience in play production in which each student will be involved in activities such as: acting, dancing, directing, lighting, set design and construction, make-up, costuming, and theatre management. May be taken for graduate credit with consent of advisor. Course may be repeated once for credit when course content changes. Course fee required.

#### THTR 3352

##### Scene Design

Basic elements of scene design, including the designer's role, function and resources of scenery, design elements, drawing, painting, and working drawings. Course fee required.

#### THTR 4321

##### Creative Dramatics

Study and experience in principles of creative leadership with children and in the methods of teaching improvised drama, story dramatization and rhythmic movement. Course fee required.



**THTR 4329**

**Topics in Drama**

A study of selected drama topics with emphasis on current ideas and literature. May be repeated once for credit when content changes. Course fee required.

**THTR 4356**

**Film History**

Study of the development and growth of the motion pictures from 1895 to the present. Film viewing will be required. Course fee required.

**THTR 4360**

**Directing the Theatre I**

Study and practice in the techniques of play directing, including play selection, casting, staging and polishing. May be taken for graduate credit with consent of advisor. Course fee required.

**THTR 4361**

**Directing the Theatre II**

A continuation of THTR 4360 with the added experience of directing and producing a play for an audience. Prerequisite: THTR 4360. May be taken for graduate credit with consent of advisor. Course fee required.

**THTR 4365**

**Theory and Practice of Playwriting**

A lecture-laboratory course in the elements of playwriting. Exercises in writing exposition, traditional scene structure, rising action, crisis, falling action, resolution and denouement. Development of narrative line, characterization and dialogue, with practice in writing an original dramatic text. May be repeated once for undergraduate credit and taken once for graduate credit with consent of advisor and the director of theatre. Course fee required.

**THTR 4370 & 4371**

**Undergraduate Theatre Internship**

An 8 to 16 week apprentice program in an educational, commercial, civic, or regional theatre organization. A journal of the student's activities and a report of summation is required. Prerequisite: Three advanced theatre courses and consent of department chair and director of theatre. May be repeated once for credit.

# SCHOOL OF SCIENCES AND MATHEMATICS

L. Lynn Sherrod, dean

The School of Sciences and Mathematics offers five baccalaureate degrees. The Department of Biology offers Bachelor of Science degrees with majors in biology and medical technology. The Department of Chemistry offers a Bachelor of Science with a major in chemistry. The Department of Mathematics offers a Bachelor of Science degree with a major in mathematics. The Department of Computer Science offers Bachelor of Science degrees in computer science and computer information systems.

In addition to the above programs, a student may select biology, chemistry, computer science, life-earth science or mathematics as areas of specialization for teacher certification. Also, all departments offer students from other academic areas the opportunity to choose electives from the School of Sciences and Mathematics.

## PRE-MEDICINE AND PRE-DENTISTRY PROGRAMS

Since medical and dental schools in the United States accept few students without a degree, UT Tyler offers two degree programs for pre-medical and pre-dental students:

- A. The Bachelor of Science with a major in biology and strong supporting work in chemistry and
- B. The Bachelor of Science with a major in chemistry and strong supporting work in biology

In consultation with faculty advisors, students should examine the catalog of the medical or dental school they plan to attend to determine any specific admission requirements.



## DEPARTMENT OF BIOLOGY

Don W. Killebrew, chair

The Department of Biology offers the Bachelor of Science in biology, medical technology, and teacher certification in biology and life-earth science.

## BIOLOGY

### OBJECTIVES

The biology program offers the student an opportunity to gain an appreciation of the biological world, to develop an inquisitive nature, to think scientifically, to prepare for entry into one of the medical professions, to train as a prospective teacher, and to prepare for advanced study.

The biology curriculum is designed to accomplish the above objectives through contact with specific biological content, exposure to laboratory experiences, and encouragement of the creative process and independent research. The degree program is flexible so that an individual can best prepare for a specific career. Examples of careers include biology, biotechnology, medicine, dentistry, veterinary medicine, and medical technology.

### LOWER-DIVISION PREPARATION

Because UT Tyler is an upper-division institution, all prospective students should complete certain foundation courses before entering the university. To enable a smooth and efficient transfer from a lower-division to an upper-division science curriculum, the department encourages students to consult an advisor in the Department of Biology at UT Tyler and/or review a UT Tyler Transfer Guide available in the counseling offices at area community colleges during their freshman year. In addition to the general education requirements for a bachelor's degree, students desiring to major in biology or teach secondary biology should complete at least eight hours of biology, eight hours of general chemistry, eight hours of organic chemistry, six hours of mathematics and eight hours of physics.

### OPTIONS:

The following options are available to a student interested in biology:

- A. B.S. in biology- 40 hours of biology (at least 32 advanced); mathematics, physics, general chemistry, organic chemistry and 7-8 hours of advanced supporting courses in chemistry are also required
- B. Minor in biology- 18 hours of biology, 12 of which must be advanced (selections approved by advisor)
- C. B.S. in Interdisciplinary Studies for teaching certifications or a standard academic major including prescribed education courses and specializations according to the Texas standard for public school curricula, in addition to prescribed academic foundations and courses in education
  1. Elementary teacher certification (grades 1-6) biology/earth science

specialization: 19 hours of biology (at least 11 advanced) and 13-14 hours of geology and prescribed science courses (at least 9-10 advanced)

2. Secondary teaching certification (grades 7-12)
  - a. Biology as a single or first teaching specialization: completion of requirements for the B.S. in biology
  - b. Biology as a second teaching specialization: 32 hours in biology (at least 24 advanced); general chemistry, organic chemistry, physics; first specialization
    - Plan 1 - completion of requirements for B.S. in biology plus 8 hours prescribed geology; first specialization
    - Plan 2- 29 hours of prescribed biology and geology (a minimum 17 hours advanced); first specialization (Note: designed for middle and junior high school teachers)

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN BIOLOGY

- A. General baccalaureate degree requirements
- B. 2.0 grade point average in all upper-division biology courses attempted
- C. 40 semester hours of biology including 32 semester hours of upper-division biology, nine semester hours at this university
- D. Required upper-division courses in biology
 

BIOL 3345-3146 and 3147-3348	8 hrs.
BIOL 3336-3137, 4331-4132, 4335-4136, or 4339-4140	8 hrs.
BIOL 3332	3 hrs.
BIOL 3338 or 4304	3 hrs.
BIOL 3343-3144	4 hrs.
BIOL 4300-4101	4 hrs.
BIOL 4114 and 4115	2 hrs.
<b>TOTAL</b>	<b>32 hrs.</b>
- E. Additional upper-division courses required for a B.S. in biology
- F. CHEM 4334-4135
- G. CHEM 3310-3111 or 3353

### TEACHER CERTIFICATION

All students wishing to be certified to teach in Texas public schools must complete the Academic Foundations for Certification found in the School of Education and Psychology section of this catalog. Much of the course work required in the Academic Foundations for Certification also meets General Baccalaureate degree requirements in academic degree areas. For further information see an advisor in the Department of Curriculum and Instruction.

### CERTIFICATION IN SECONDARY EDUCATION

- A. Single-specialization option: completion of the requirements for the B.S. degree in biology
- B. Two-specialization option:
  1. Biology as a first teaching specialization: completion of the requirements for the B.S. degree in biology and prescribed courses in a second teaching specialization



2. Biology as a second teaching specialization: completion of the requirements for a first teaching specialization, a minimum of 16 hours of which must be taken at UT Tyler, as follows:

BIOL 3345-3146 or 3147-3348	4 hrs.
BIOL 3336-3137, 4331-4132, 4335-4136, or 4339-4140	4 hrs.
BIOL 3332	3 hrs.
BIOL 3343 - 3144	4 hrs.
BIOL 4330 - 4101	4 hrs.
BIOL 4114 or 4115	1 hrs.
additional biology (up to 8 hours lower-division)	12 hrs.
<b>TOTAL</b>	<b>32 hrs.</b>

3. Life-earth science as a second teaching specialization:  
 Plan I: completion of the requirements for the B.S. degree in biology, GEOL 3310 (or equivalent) and GEOL 3314 (or equivalent)  
 Plan II: twenty-nine hours of geology and biology: a minimum of 17 hours must be upper-division, at least six hours of which must be taken at UT Tyler, as follows:

GEOL 3310 (or equivalent)	3 hrs.
GEOL 3314 (or equivalent)	3 hrs.
BIOL 3345-3146 or 3147-3348	4 hrs.
BIOL 3332	3 hrs.
BIOL 4335-4136 or 4339-4140	4 hrs.
BIOL or GEOL electives (may be lower division)	12 hrs.
<b>TOTAL</b>	<b>29 hrs.</b>

and prescribed courses in a first teaching specialization.

The department requires a minimum grade point average of 2.0 in all biology and geology courses, including a 2.0 at UT Tyler. Prospective teachers must achieve a grade of C or better in all courses leading to certification.

## CERTIFICATION IN ELEMENTARY EDUCATION (GRADES 1-6)

All students wishing to be certified to teach in Texas public schools must complete the Academic Foundations for Certification found in the School of Education and Psychology section of this catalog. Much of the course work required in the Academic Foundations for Certification also meets General Baccalaureate degree requirements in academic degree areas. For further information see an advisor in the Department of Curriculum and Instruction.

Biology/Earth Science teaching specializations:

BIOL 3345-3146 or 3147-3348	4 hrs.
BIOL 3336-3137, 4335-4136, or 4339-4140	3 hrs.
BIOL 3332	3 hrs.
Additional biology (may be lower-division)	8 hrs.
GEOL 3310 (or equivalent)	3 hrs.
GEOL 3314 (or equivalent)	3 hrs.
CHEM 3409, BIOL 3338, or BIOL 4304	3-4 hrs.
Additional geology (may be lower-division)	4 hrs.
<b>TOTAL</b>	<b>32-33 hrs.</b>

The department requires a minimum grade point average of 2.0 in all biology and geology courses, including a 2.0 at UT Tyler. Prospective teachers must achieve a grade

of C or better in all courses leading to certification.

## Accelerated Curriculum in Biology

The Accelerated Curriculum in Biology (ACB) is a specialized curriculum leading to rapid entrance into the present upper-level program in biology. ACB is designed to facilitate the development of biological scientists from high school graduates to college graduates by focusing on students that have the advanced preparation in the sciences, high academic achievement, and a desire and ambition to pursue advanced studies in the life sciences early in their college career. ACB is for students who know in high school that they want to eventually become professional scientists and enter into any one of the advanced fields of life science (medicine, biotechnology, genetics, ecology, biochemistry, molecular biology, etc.).

Students desiring to take advantage of the accelerated curriculum should concurrently enroll at area junior colleges and UT Tyler during their first and second years. Contact the chair of biology for advisement.

## Criteria for Accelerated Curriculum in Biology

- Completion of all university undergraduate admission requirements (See Undergraduate Admission Requirements)
- Minimum SAT/ACT score: 1180/26
- Required high school credits:
  - One credit each of biology, chemistry, and physics
  - Four credits of college-preparatory mathematics
  - One credit of computer science
  - Two credits of foreign language (same language)
  - Four credits of English
- Completion of application form for admission into the Accelerated Curriculum in Biology
- Two letters of recommendation from individuals able to evaluate applicant's academic potential.

Contact the chair of the Department of Biology for admission information, advisement, and admission deadline. Admission deadline is June 15 for the fall semester.

## SPECIAL REQUIREMENTS FOR ALL LECTURE / LABORATORY COURSES

The department teaches lecture courses and related laboratory courses as units; they should be taken concurrently. If a student fails either course in such a lecture/laboratory combination, one course may be repeated without repeating the other. Students may not use as part of the degree requirements a biology lecture course without the corresponding laboratory course (if one is available for that course) or a laboratory course without the corresponding lecture course, unless otherwise stated in the course description.

Students must pay for any broken or damaged items of equipment or glassware in science labs.



## COURSE DESCRIPTIONS

### BIOLOGY (BIOL)

#### BIOL 3401

##### **Integrated Principles of Biology**

An integration of the traditional two semesters of general biology into one accelerated course. Principles of biology will be illustrated by examples drawn from the fields of microbiology, cell biology, genetics, developmental biology, ecology, evolution, botany and zoology. Prerequisite: Admission to the Accelerated Curriculum in Biology, concurrent enrollment in calculus and CHEM 3404-3105. Course fee required.

#### BIOL 3102

##### **Integrated Principles of Biology Laboratory**

An integration of the traditional two semesters of general biology laboratory into one accelerated laboratory. Quantitative and analytical techniques fundamental to the fields of microbiology, cell biology, genetics, developmental biology, ecology, evolution, botany and zoology will be investigated. Prerequisite: Concurrent enrollment in BIOL 3401. Laboratory fee required.

#### BIOL 3320

##### **Human Physiology**

Basic principles of the homeostatic mechanisms of the human body. Prerequisite: anatomy and physiology, eight hours in general chemistry. Course fee required.

#### BIOL 3121

##### **Human Physiology Laboratory**

Laboratory exercises illustrating the basic mechanisms of the body's functioning. Laboratory fee required.

#### BIOL 3328

##### **Pathophysiology**

The etiology of human diseases at the cellular and humoral levels. Prerequisite: BIOL 3320-3121 and microbiology. Course fee required.

#### BIOL 3431

##### **Environment and Man**

Study of interactions between man and his environment including population, pollution, resources, energy, and land use management. Laboratory exercises illustrating topics in lecture. Three hours of lecture and three hours of laboratory per week. (Cannot be used to satisfy major, minor, or secondary specialization requirements in science.) Laboratory fee required.

#### BIOL 3332

##### **Genetics**

Principles and concepts of inheritance. Course fee required.

#### BIOL 3133

##### **Genetics Laboratory**

An introduction to experimental and quantitative laboratory techniques fundamental to genetic analysis. Laboratory fee required.

#### BIOL 3336

##### **Ecology**

Study of the interrelationships of plants and animals with the environment. Course fee required.

#### BIOL 3137

##### **Ecology Laboratory**

Application of ecological theory with emphasis on field and experimental studies. Laboratory fee required.

#### BIOL 3338

##### **Biological Evolution**

History of earth and its biota including geologic time, fossils, and man. Principles of various theories of evolution. Prerequisite: BIOL 3332. Course fee required.

#### BIOL 3343

##### **Physiology**

Principles of general physiology, with emphasis on cell metabolism, nerve-muscle relations, endocrine, nervous, excretory, respiratory, circulatory, and digestive systems. Prerequisite: Organic Chemistry. Course fee required.

#### BIOL 3144

##### **Physiology Laboratory**

Investigations of chemical reactions of the body and factors influencing these reactions. Laboratory fee required.

#### BIOL 3345

##### **Plant Morphology**

Form and reproduction of plants emphasizing algae, fungi, mosses, and ferns. Course fee required.

#### BIOL 3146

##### **Plant Morphology Laboratory**

Observations of representative types of algae, fungi, mosses, and ferns. Laboratory fee required.

#### BIOL 3147

##### **Plant Taxonomy**

Systematics and identification of flowering plants of East Texas. Course fee required.

#### BIOL 3348

##### **Plant Taxonomy Laboratory**

Principles of classification and nomenclature and their application to flowering plants of East Texas. Laboratory fee required.

#### BIOL 4300

##### **Microbiology**

Introduction to procaryotes and selected protists with an emphasis on bacteriology. Bacterial classification, physiology, and genetics will be stressed. Prerequisite: CHEM 3342 and CHEM 3344. Course fee required.

#### BIOL 4101

##### **Microbiology Laboratory**

Principles of isolation and characterization of bacteria with emphasis on taxonomy; independent work will be stressed. Laboratory fee required.

#### BIOL 4304

##### **Biogeography**

Study of flora and fauna of the world and factors affecting their distribution. Prerequisite: Eight hours upper-division biology. May be taken for graduate credit with consent of advisor. Course fee required.

#### BIOL 4114 & 4115

##### **Seminar: Current topics in biology.**

Reports on research published in professional journals. Oral presentation required. Prerequisite: nine hours upper-level biology.

#### BIOL 4331

##### **Entomology**

Physiology, morphology, life history, and control of insects. May be taken for graduate credit with consent of advisor. Course fee required.

#### BIOL 4132

##### **Entomology Laboratory**

Systematics and taxonomy of insects and related forms with emphasis on collection and identification. May be taken for graduate credit with consent of advisor. Laboratory fee required.

#### BIOL 4335

##### **Vertebrate Natural History**

Taxonomy, evolution, and natural history of the vertebrates of the world with emphasis on North American and East Texas species. Course fee required.

#### BIOL 4136

##### **Vertebrate Natural History Laboratory**

Field study, collection, and identification of vertebrates emphasizing techniques of modern museum work. Laboratory fee required.

#### BIOL 4339

##### **Invertebrate Zoology**

Phylogeny, morphology, and ecology of invertebrates except insects. Course fee required.



**BIOL 4140****Invertebrate Zoology Laboratory**

Collection, identification, and classification of invertebrate organisms. Laboratory fee required.

**BIOL 4350****Immunology**

Study of the biology and chemistry of humoral and cell-mediated immunities. Prerequisite: Organic Chemistry and Microbiology. May be taken for graduate credit with consent of advisor. Course fee required.

**BIOL 4151****Immunology Laboratory**

Laboratory exercises illustrating basic principles of immunology. May be taken for graduate credit with consent of advisor. Laboratory fee required.

**BIOL 4661****Field Biology**

A field course emphasizing the identification, ecology, life histories, and behavior of organisms under natural conditions (summers only). May be taken for graduate credit with consent of advisor. Course fee required.

**BIOL 4099****Independent Study**

Independent study in specific areas of biology not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in biology. See the "Graduate Programs" section for complete listings and descriptions.

## MEDICAL TECHNOLOGY

**James F. Koukl, director**

Medical technologists are health professionals responsible for many routine and specialized tests in the clinical laboratory. They develop data which may be used by a physician for the determination of the presence of disease. The program in medical technology offers opportunities to be highly skilled in performing laboratory procedures and to possess those qualities necessary to be competent professionals in the field of laboratory medicine. Graduates of the medical technology program may qualify for positions in hospital laboratories, clinics, veterinary laboratories, pharmaceutical laboratories, research, industry, and public health agencies. The program also provides students with the opportunity to acquire the foundations for developing teaching, administrative, and research skills.

To be eligible for the Bachelor of Science in medical technology, students must complete the requirements of The University of Texas at Tyler and those of the National Accrediting Agency for Clinical Laboratory Sciences. The last year of the program consists of the completion of fourteen weeks of lecture-laboratory on the campus of UT Tyler with the remainder of the twelve months spent in rotation through laboratories at Medical Center Hospital, The University of Texas Health Center at Tyler, Stewart Regional Blood Center and Mother Frances Hospital. The year includes lectures, demonstrations, and performance of various laboratory tests. Graduates are eligible for examination and certification by the Board of Registry of the American Society of Clinical Pathologists (ASCP) or by the National Certification Agency (NCA) for Clinical Laboratory Sciences.

Because of limited space in the program, students must correspond with the program director regarding procedures and guidelines for admission to the twelve-month curriculum. Admission to UT Tyler does not mean acceptance to the clinical program. All candidates must either hold a degree or be eligible for the bachelor's degree upon completion of the clinical year.

The medical technology program at UT Tyler conforms to the Essentials established by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and is accredited by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association.

## LOWER-DIVISION PREPARATION

All prospective students should complete a foundation of general education courses before entering this university. Students desiring to major in medical technology should complete eight semester hours of general biology, eight semester hours of general chemistry, eight hours of organic chemistry, and six semester hours of mathematics at the freshman-sophomore level. Students transferring into this program at the third-year level who do not have credit for any of the above courses should consult with the program director to determine if some deficiencies may be satisfied by taking selected courses available at UT Tyler.

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN MEDICAL TECHNOLOGY

- A. General baccalaureate degree requirements of UT Tyler
- B. Grade point average of 2.0 in all required upper-division science courses
- C. Completion of the following courses prior to admission to the twelve-month clinical training program:
 

BIOL 3328 Pathophysiology	3 hrs.
BIOL 3343-3144 Physiology/Lab	4 hrs.
BIOL 4300-4101 Microbiology/Lab	4 hrs.
BIOL 4350-4151 Immunology/Lab	4 hrs.
CHEM 3310-3111 Analytical Chemistry/Lab	4 hrs.
CHEM 4334-4135 Biochemistry/Lab	4 hrs.
- D. Completion of the following courses by all students who perform their clinical training through UT Tyler at The University of Texas Health Center at Tyler, Medical Center Hospital, Stewart Regional Blood Center, and Mother Frances Hospital (41 hours):
 

MEDT 4280 Hematology	
MEDT 4581 Hematology Practicum	
MEDT 4282 Immunohematology	
MEDT 4483 Immunohematology Practicum	
MEDT 4284 Clinical Chemistry	
MEDT 4785 Clinical Chemistry Practicum	
MEDT 4286 Clinical Microbiology	
MEDT 4687 Clinical Microbiology Practicum	
MEDT 4188 Hemostasis	
MEDT 4189 Hemostasis Practicum	
MEDT 4190 Clinical Microscopy and Cytogenetics	
MEDT 4191 Clinical Microscopy Practicum	
MEDT 4192 Clinical Immunology	



MEDT 4293 Clinical Immunology Practicum  
 MEDT 4194 Clinical Parasitology  
 MEDT 4195 Clinical Parasitology Practicum  
 MEDT 4196 Pediatric Laboratory Medicine Practicum  
 MEDT 4197 Seminar

A grade less than "C" made in any of the above MEDT courses means the student is subject to dismissal from the clinical program.

In order to be eligible for examination by the Board of Registry of the American Society of Clinical Pathologists or by the National Certification Agency, students must complete a core of courses considered minimum. The following minimum requirements must be completed or be in progress before a student enters the clinical training program: 16 semester hours of chemistry, to include organic chemistry and/or biochemistry; 16 semester hours of biology, to include microbiology and immunology; and a college-level mathematics course. All science courses must be acceptable toward a chemistry or biology major and cannot be survey courses.

A candidate for this program must have completed courses in microbiology and organic and/or biochemistry within seven years prior to admission to the professional program.

## ADMISSION POLICY FOR MEDICAL TECHNOLOGY CLINICAL PROGRAM

### General application requirements

The admissions process is to assure that the student applies for the senior year clinical training program during the junior year. Interviews are conducted with all qualified applicants during the spring prior to the senior year. Final class selection is made before the start of the senior year. Each student selected must maintain acceptable grades during the junior year. Failure to do so will result in the student being replaced by an alternate. The medical technology program year begins in June. Students applying must follow this procedure:

- A. Send transcripts to Medical Technology Program Director
- B. Supply letters of reference  
 Send all letters to the M.T. Program Director as follows: (1) two letters from science instructors; and (2) one letter from non-science instructor.
- C. Complete medical technology application form during the second semester of the junior year. Deadline for applying is May 1.
- D. Be available for an interview  
 Each applicant will have a 15-20 minute interview with members of the Medical Technology Admissions Committee, which will hold interviews during the spring semester prior to the senior year.
- E. If the student has attended a university outside the United States, a transcript evaluation must be obtained from one of the agencies listed below:

International Education Research Foundation, Inc.  
 P.O. Box 66940, Los Angeles, CA 90066  
 (213) 390-6276

Center for Applied Research Evaluation & Education, Inc.  
 P.O. Box 20348, Long Beach, CA 90801  
 (213) 430-1105

Foundation for International Services  
 P.O. Box 55878, Seattle, WA 98155-5878  
 (206) 547-3180

World Education Services, Inc.  
 P.O. Box 745, Old Chelsea Station, New York, NY 10011  
 (212) 460-5644

Send original transcript, list of courses in progress, (and any other courses you will complete before clinical year), and the appropriate evaluation fee to the above address. Request copy of approval to be sent to the M.T. Program Director.  
 Scholastic Record Requirement

- A. The department places special emphasis on performance in undergraduate science courses and at the present time requires a minimum of 2.0 or C- level in sciences for application to the clinical program  
 Anyone whose science GPA falls between 2.0-2.5 will be considered borderline, and will be evaluated according to other criteria (i.e., trend in GPA) to determine his or her probability of success in the program.
- B. Because this is a professional program, the Medical Technology Admissions Committee is not obligated to accept a student currently on scholastic probation since this could be indicative of poor performance in the clinical program. Any student on scholastic probation will be given the opportunity to reapply after the GPA meets minimum standards.

## COURSE DESCRIPTIONS

### MEDICAL TECHNOLOGY (MEDT)

The prerequisite for all of the following courses is enrollment in the medical technology clinical program. In order to enroll, the student must have previously completed all specified courses included in the first three years of our four-year medical technology curriculum and be approved by the Medical Technology Clinical Admissions Committee.

#### MEDT 4280 Hematology

Lecture and laboratory cover the morphological and biochemical characteristics of normal and abnormal cells of the peripheral blood and bone marrow. Leukemias, ane-

mias, hemoglobinopathies and myeloproliferative disorders are discussed. Laboratory fee required.

#### MEDT 4581 Hematology Practicum

Offers clinical experience in the preparation of specimens for the identification and enumeration of hemopoietic elements in the peripheral blood and bone marrow. Course fee required.

#### MEDT 4282 Immunohematology

Lecture and laboratory over the ABO system, antibody screening, compatibility testing, blood donor service, donor processing, component therapy and quality control. Laboratory fee required.



**MEDT 4483****Immunohematology Practicum**

Offers clinical experience in blood donor phlebotomy, component preparation, donor processing, and technique used in compatibility testing. Course fee required.

**MEDT 4284****Clinical Chemistry**

Lecture and laboratory cover the biochemistry and physiology of metabolic diseases and the analytical techniques used in determination of proteins, carbohydrates, lipids, enzymes, electrolytes and other constituents of body fluids. Laboratory mathematics, statistics and quality control are included. Laboratory fee required.

**MEDT 4785****Clinical Chemistry Practicum**

Offers clinical experience in the techniques and comparative methods, both manual and automated, used in the biochemical analysis of body fluids. Therapeutic drug monitoring, radioimmunoassay, blood gases and toxicology included. Course fee required.

**MEDT 4286****Clinical Microbiology**

Lecture and laboratory cover the characteristics of clinical important bacteria, fungi, viruses, and rickettsia and their role in human diseases, mode of transmission, identification, and therapy. Laboratory fee required.

**MEDT 4687****Clinical Microbiology Practicum**

Offers clinical experience in the methods of isolation and identification of microorganisms from clinical specimens; including handling and culture of specimens, selection of media, biochemical test and interpretation of results. Manual and automated methods utilized. Course fee required.

**MEDT 4188****Hemostasis**

Lecture and laboratory cover blood coagulation and platelet biochemistry, and the various laboratory methods used to monitor anticoagulant therapy and diagnose

bleeding/thrombotic disorders. Laboratory fee required.

**MEDT 4189****Hemostasis Practicum**

Offers clinical experience in the techniques and methods used to screen patients for coagulation defects, follow anticoagulant therapy, and aid in the diagnosis of hemophilia, von Willebrand's disease, disseminated intravascular coagulation, and other coagulation problems. Course fee required.

**MEDT 4190****Clinical Microscopy and Cytogenetics**

Lecture and laboratory cover the physiology and structure of the kidney including the physical, chemical, and cellular composition of the urine in health and disease. The physical, chemical, and cellular characteristics, and other body fluids are included. An introduction to chromosomal patterns and chromosomal aberrations and the relationship to disease processes are also included. Laboratory fee required.

**MEDT 4191****Clinical Microscopy Practicum**

Offers clinical experience in the techniques and methods used in the clinical laboratory to identify the physical, chemical, and cellular constituents in urine and other body fluids. Course fee required.

**MEDT 4192****Clinical Immunology**

Lecture and laboratory cover antigen antibody reactions, host defense mechanisms, complement histocompatibility, hypersensitivity, allergy immunity/autoimmune disease, and tumor immunology. Laboratory fee required.

**MEDT 4293****Clinical Immunology Practicum**

Offers clinical experience in the techniques and methods of antigen-antibody reactions and their relationship to pathological states. Course fee required.

**MEDT 4194****Clinical Parasitology**

Lecture and laboratory cover the morphology and life cycles of clinically relevant parasites of man including the identifying characteristics of infective and diagnostic forms. Laboratory fee required.

**MEDT 4195****Clinical Parasitology Practicum**

Offers clinical experience in the preparation and examination of clinical specimens for the identification of parasites. Course fee required.

**MEDT 4196****Pediatric Laboratory Medicine Practicum**

Offers clinical experience in phlebotomy for infants and children including diagnostic laboratory procedures in pediatric hematology and chemistry. Course fee required.

**MEDT 4197****Seminar**

Laboratory investigations and/or literature review of a specific topic culminating in a written and oral presentation of findings.

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## DEPARTMENT OF CHEMISTRY

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Donald L. McClaugherty, chair

The Department of Chemistry offers the Bachelor of Science in chemistry, courses in geology, and teacher certification in chemistry and physical science.

## CHEMISTRY

### OBJECTIVES

The chemistry program offers the student an opportunity to gain an appreciation of the chemical world, to develop an inquisitive nature, to train in the use of the scientific method, to prepare for entry into industry or one of the medical professions, to train as a prospective teacher, and to prepare for advanced study.

The chemistry curriculum is designed to accomplish the above objectives through contact with specific chemistry content, exposure to laboratory experiences, and encouragement of the creative process and independent research. The degree program is flexible so that an individual can best prepare for his specific career. Students are encouraged to choose supporting work and electives which reinforce their knowledge of chemistry.

### LOWER-DIVISION PREPARATION

Students who desire to fulfill requirements for the Bachelor of Science in chemistry in four years should complete the following foundation courses in sciences and mathematics during their first year: eight semester hours of general chemistry, eight semester hours of general physics (calculus-based), and six semester hours of differential and integral calculus.

During the second year, chemistry majors who have completed eight semester hours of general chemistry should concurrently enroll at area junior colleges and UT Tyler. CHEM 3310 -3111, CHEM 3312 -3113, CHEM 3320, CHEM 3342 -3143, and CHEM 3344-



3145 should be taken at UT Tyler during the second year. Contact the chair of the Department of Chemistry for advisement.

Students desiring to use chemistry as a second field specialization for teacher certification should complete eight semester hours of general physics, eight semester hours of general chemistry, and six semester hours of mathematics at the level of college algebra or above.

## ACCELERATED CURRICULUM IN CHEMISTRY

An accelerated chemistry curriculum is available to high school graduates who have strong backgrounds in high school sciences and mathematics. Students desiring to take advantage of the accelerated curriculum should concurrently enroll at area junior colleges and UT Tyler during their first and second years.

CHEM 3404-3105, CHEM 3310-3111, eight semester hours of general physics (calculus-based), and six semester hours of differential and integral calculus should be taken during the students' first year. During the second year, CHEM 3312-3113, CHEM 3320, CHEM 3342-3143, and CHEM 3344-3145 should be taken at UT Tyler.

Criteria for admission into the Accelerated Curriculum in Chemistry are:

- A. Completion of all university undergraduate admission requirements (See Undergraduate Admission Requirements)
- B. Minimum SAT/ACT score: 1180/26
- C. Required high school credits:
  1. One credit each of biology, chemistry, and physics
  2. Four credits of college-preparatory mathematics
  3. One credit of computer science
  4. Two credits of foreign language (same language)
  5. Four credits of English
- D. Completion of Application Form for Admission into the Accelerated Curriculum in Chemistry
- E. Two letters of recommendation from individuals able to evaluate applicant's academic potential

Contact the chair of the Department of Chemistry for admission information, advisement, and admission deadline.

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN CHEMISTRY

- A. General baccalaureate degree requirements
- B. 2.0 grade point average in all upper-division chemistry courses attempted
- C. Completion of six semester hours of differential and integral calculus and eight semester hours of general physics (calculus-based)
- D. Students must complete a total of 46-49 semester hours of chemistry. Twelve semester hours of chemistry must be completed at this university. Chemistry courses required:
 

CHEM 3404-3105 or general chemistry	5-8 hrs.
CHEM 3310-3111	4 hrs.
CHEM 3312-3113	4 hrs.
CHEM 3320	3 hrs.

CHEM 3342-3143	4 hrs.
CHEM 3344-3145	4 hrs.
CHEM 3352-3153	4 hrs.
CHEM 3354-3155	4 hrs.
CHEM 4330-4131	4 hrs.
CHEM 4440	4 hrs.
CHEM 4190	1 hr.
CHEM 4191	1 hr.
CHEM 3333-3132 or CHEM 4334-4135	4 hrs.
TOTAL 46-49 hrs.	

- E. At least 34 semester hours of approved lower and upper-division electives selected with the student's career goals in mind—suggested electives include courses in chemistry, biology, mathematics, computer science, statistics, education, speech, technical writing, technology, economics, psychology, sociology, and business administration.

Preparation for careers in specialized areas of chemistry is possible by careful selection of advanced chemistry courses and supportive areas of concentration. A partial list of chemistry careers would include chemical marketing, chemical business, environmental chemistry, forensic science, pre-law (chemical patents), health professions (pre-medical and pre-dental), professional chemistry, technical writing, biotechnology, and chemical technology. Students should confer with the chair of the department in regard to such options and their career goals.

## TEACHER CERTIFICATION

The School of Education and Psychology section of this catalog lists state requirements for teacher certification. A candidate for teacher certification must have a minimum grade point average of 2.0 in all chemistry courses attempted and a grade of "C" or better in all courses required for certification. Additional requirements for secondary certification in chemistry and physical science are outlined as follows:

## CERTIFICATION IN SECONDARY EDUCATION CHEMISTRY

- A. Single-specialization option: completion of the requirements for a B.S. in chemistry and prescribed courses in education
- B. Two-specialization option:
  1. First teaching specialization: completion of the requirements for a B.S. in chemistry; prescribed courses in a second teaching specialization, and prescribed courses in education.
  2. Second teaching specialization: at least 32 semester hours of chemistry as outlined below; prescribed courses in a first teaching specialization; eight semester hours of general physics; six semester hours of mathematics at the level of college algebra or above, and prescribed courses in education. At least eight semester hours of chemistry must be completed at UT Tyler.
 

CHEM 3404-3105 or general chemistry	5-8 hrs.
CHEM 3310-3111	4 hrs.
CHEM 3312-3113	4 hrs.
CHEM 3320	3 hrs.
CHEM 3342-3143	4 hrs.
CHEM 3344-3145	4 hrs.



Eight semester hours of approved chemistry electives taken from the following:  
 CHEM 3333-3132, CHEM 4330-4131, CHEM 4440, CHEM 4334-4135, CHEM  
 3352-3153 8 hrs.

TOTAL 32-35 hrs.

## PHYSICAL SCIENCE

Two-field specialization/ second teaching specialization: at least 40 semester hours of chemistry and physics as outlined below and prescribed courses in education. At least eight semester hours of chemistry must be completed at UT Tyler.

general physics (calculus-based)	8 hrs.
CHEM 3404-3105 or general chemistry	5-8 hrs.
CHEM 3310-3111	4 hrs.
CHEM 3312-3113	4 hrs.
CHEM 3320 3 hrs	
CHEM 3342-3143	4 hrs.
CHEM 3344-3145	4 hrs.
CHEM 3352-3153	4 hrs.
CHEM 3354-3155	4 hrs.

TOTAL 40-43 hrs.

## CHEMISTRY AS A MINOR

A student may choose chemistry as a minor to satisfy bachelor degree programs with a major in another field. This program requires a total of 24-27 semester hours of chemistry, including CHEM 3404-3105 or eight semester hours of general chemistry, CHEM 3310 - 3111, CHEM 3312 - 3113, CHEM 3320, CHEM 3342 - 3143, and CHEM 3344 - 3145.

## SPECIAL REQUIREMENTS FOR ALL LECTURE-LABORATORY COURSES

The department teaches lecture courses and related laboratory courses as units taken concurrently. If a student fails either course in such a lecture/laboratory combination, it may be repeated without repeating the other. No student may use as part of his or her degree requirements a chemistry lecture course without the corresponding laboratory course (if one is available for that course) or a laboratory course without the corresponding lecture course, unless otherwise stated in the course description.

Students will pay for any broken or damaged items of equipment or glassware in science labs.

## COURSE DESCRIPTIONS

### CHEMISTRY (CHEM)

#### CHEM 3404 Chemical Principles

The course rigorously emphasizes fundamental chemical principles and theories. It is designed to integrate the course contents of the two traditional one-semester courses in general chemistry into a one-semester accelerated course. The course prepares science students who have strong backgrounds in high school sciences and mathematics for accelerated entry into advanced-level chemistry courses. Prerequisites: Admission into the Accelerated Curriculum in Chemistry and concurrent enrollment in calculus. Course fee required.

#### CHEM 3105 Chemical Principles Laboratory

Basic laboratory techniques; identification and purification of substances; and laboratory measurements involving chemical composition, molecular weights, equilibria constants, heats of reaction, spectroscopy, and reaction kinetics using a variety of classical and instrumental methods. Prerequisites: Concurrent enrollment in CHEM 3404. Laboratory fee required.

#### CHEM 3107 Pharmacology I

This course involves mastery in calculation accuracy for the safe administration of medications and an introduction to the concept of pharmacology and the major drug classifications. Emphasis will be placed upon the pharmacological actions and pharmacological responses associated with major drug classifications. Prerequisites: Admission into the UT Tyler undergraduate nursing program or consent of departmental chair. Course fee required.

#### CHEM 3108 Pharmacology II

Pharmacological actions and pharmacological responses associated with major drug classifications are investigated in detail. Nursing implications are emphasized. Prerequisite: CHEM 3107. Course fee required.

#### CHEM 3409 Chemistry and Society

A survey course that introduces basic chemical principles, theories, and concepts; studies the properties and uses of the elements and their compounds; and presents selected applications of chemistry that relate to society, such as energy production, environmental chemistry, nuclear chemistry, plastics, foods, drugs, etc. Three hours of lecture and three hours of laboratory per week. (Credit not given to science majors or students using sciences as a secondary teaching specialization.) Laboratory fee required.

#### CHEM 3310 Analytical Chemistry

Chemical equilibrium, pH, and indicators; acid-base, oxidation-reduction, and complex-formation reactions; calculations of analytical chemistry; reliability of measurements; and gravimetric and volumetric analysis. Prerequisites: CHEM 3404-3105 or eight semester hours of general chemistry. Course fee required.

#### CHEM 3111 Analytical Chemistry Laboratory

General experiments in inorganic quantitative analysis. Prerequisite: Credit for or concurrent enrollment in CHEM 3310. Laboratory fee required.



**CHEM 3312****Instrumental Analysis**

Introduction to instrumental methods, absorption and emission spectrometry, electroanalytical methods, chromatography, x-ray and mass spectrometry, and nuclear chemistry methods. Prerequisite: CHEM 3310 - 3111 or consent of instructor. Course fee required.

**CHEM 3113****Instrumental Analysis Laboratory**

Experiments utilizing electrochemical methods of analysis, absorption and emission spectroscopic measurements, and gas and liquid chromatography. Prerequisite: CHEM 3111. Credit for or concurrent enrollment in CHEM 3312. Laboratory fee required.

**CHEM 3320****Chemistry of the Elements**

A descriptive study of the chemistry of the elements including the periodicity of elemental properties. Prerequisites: CHEM 3404-3105 or eight semester hours of general chemistry. Course fee required.

**CHEM 3132****Environmental Chemistry Laboratory**

General experiments in environmental chemistry emphasizing the use of modern chemical techniques and the American Public Health Association and U.S. Environmental Protection Agency standard methods of analysis. Prerequisites: CHEM 3111 and CHEM 3145. Laboratory fee required.

**CHEM 3333****Environmental Chemistry**

Study of the chemistry and analysis of clean and polluted air and water. Prerequisites: CHEM 3310 and CHEM 3344. Course fee required.

**CHEM 3342****Organic Chemistry I**

Emphasis on structure-reactivity relationships, nomenclature, stereochemistry, reaction pathways, and synthesis. Prerequisites: CHEM 3404-3105 or eight semester hours of general chemistry. Course fee required.

**CHEM 3143****Organic Chemistry I Laboratory**

Basic experiments in organic chemistry. Prerequisite: Credit for or concurrent enrollment in CHEM 3342. Laboratory fee required.

**CHEM 3344****Organic Chemistry II**

Continuation of CHEM 3342, including an introduction to molecular biochemistry. Prerequisite: CHEM 3342. Course fee required.

**CHEM 3145****Organic Chemistry II Laboratory**

Continuation of CHEM 3143 including an introduction to the characterization of organic compounds using classical and spectroscopic methods. Prerequisite: CHEM 3143. Laboratory fee required.

**CHEM 3352****Physical Chemistry I**

Properties of substances in the gaseous, liquid, and solid states; chemical thermodynamics; chemical equilibria; phase equilibria; and electrochemistry. Prerequisites: Two semesters of college physics and two semesters of calculus. May be taken for graduate credit with consent of advisor. Course fee required.

**CHEM 3153****Physical Chemistry I Laboratory**

General experiments in physical chemistry. May be taken for graduate credit with consent of advisor. Prerequisite: CHEM 3113 and credit for or concurrent enrollment in CHEM 3352. Laboratory fee required.

**CHEM 3354****Physical Chemistry II**

Continuation of CHEM 3352. Atomic structure, chemical bonding, chemical kinetics, statistical mechanics, and spectroscopy. Prerequisite: CHEM 3352. May be taken for graduate credit with consent of advisor. Course fee required.

**CHEM 3155****Physical Chemistry II Laboratory**

Continuation of CHEM 3153. May be taken for graduate credit with consent of advisor. Prerequisite: CHEM 3153. Laboratory fee required.

**CHEM 4330****Inorganic Chemistry**

Theories of inorganic chemistry, including atomic, molecular, and crystal structure; thermochemical and electrochemical properties; acidity; solvent systems; and coordination compounds. Prerequisite: Credit for or concurrent enrollment in CHEM 3352 or consent of instructor. May be taken for graduate credit with consent of advisor. Course fee required.

**CHEM 4131****Inorganic Chemistry Laboratory**

Syntheses, characterizations, and transformations of inorganic and organometallic compounds. Prerequisite: Credit for or concurrent enrollment in CHEM 4330. May be taken for graduate credit with consent of advisor. Laboratory fee required.

**CHEM 4334****Biochemistry**

Chemistry and functions of the biomolecules: proteins, carbohydrates, lipids, and nucleic acids. Bioenergetics or the cell and protein synthesis. Prerequisites: CHEM 3344-3145. May be taken for graduate credit with consent of advisor. Course fee required.

**CHEM 4135****Biochemistry Laboratory**

Exercises designed to develop students' skills in using biochemical techniques and to illustrate the chemical and physical properties of biomolecules. May be taken for graduate credit with consent of advisor. Prerequisite: Credit for or concurrent enrollment in CHEM 4334. Laboratory fee required.

**CHEM 4440****Advanced Chemical Laboratory Techniques**

Advanced syntheses and characterizations of organic and inorganic compounds. Synthetic techniques may include vacuum, pressure, inert atmosphere, and photochemical systems. Analytical techniques include wet chemical, chromatographic, and spectroscopic methods. Prerequisites: CHEM 3344-3145 and CHEM 3312-3113. May be taken for graduate credit with consent of advisor. Laboratory fee required.

**CHEM 4370 & 4371****Undergraduate Internship Program**

An 8 to 16 week program offering a learning experience in an off-campus environment. Prerequisite: Consent of departmental chair.

**CHEM 4190****Chemical Literature**

A study of the various facets of the chemical literature with emphasis on practical application of techniques and resources for obtaining and documenting published chemical information. Course fee required.

**CHEM 4191****Seminar**

Reports on current literature and research in chemistry. Prerequisite: CHEM 4190. Course fee required.

**CHEM 4099****Independent Study**

Independent study in specific areas of chemistry not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

**GRADUATE COURSES**

Graduate courses are offered in chemistry. See the "Graduate Programs" section for complete listings and descriptions.



## OTHER COURSE DESCRIPTIONS

### GEOLOGY (GEOL)

#### GEOL 3310

##### Physical Geology and Astronomy

Study of processes that take place in the solid earth and the role of the earth in space.

#### GEOL 3314

##### Oceanography and Meteorology

Basic concepts of oceanography and meteorology with emphasis on the effects of the oceans and the atmosphere on man. Experimental methods used in both fields will be included.

## DEPARTMENT OF COMPUTER SCIENCE

Ronald S. King, chair

The Department of Computer Science offers the Bachelor of Science degree in computer science, the Bachelor of Science degree in computer information systems, and supports secondary teacher certification in computer information systems and the information processing technologies (IPT) teaching endorsement.

### OBJECTIVES

The computer science program offers the student an opportunity to gain an appreciation of the field of computer and information science, to be productive in a variety of computing environments, and to provide the student with the opportunity to prepare for advanced work in computer science or related areas.

The computer science curriculum is designed to accomplish the above objectives through exposure to specific computer science content, programming digital computers, development of logical reasoning, problem solving, and encouragement of the creative process and independent research.

### LOWER-DIVISION PREPARATION

Since UT Tyler is an upper-level institution, all prospective students should complete certain foundation courses before entering this university. In addition to the general education requirements for a bachelor's degree, students desiring to major in computer science should complete computer science I (using Pascal or C) and COBOL. Additional requirements are differential and integral calculus or mathematical analysis containing introductory calculus at the freshman-sophomore level. Students desiring to major in computer science are encouraged to choose physics courses to satisfy the laboratory sciences general education requirements. Students desiring to major in computer information systems should complete a year sequence in the principles of accounting and are encouraged to complete a year sequence in the principles of economics at the freshman/sophomore level. Preparation also should be started for upper-division work in supporting

areas which should be selected to enhance the student's opportunities in a chosen career such as accounting, mathematics, or physical science.

### Bachelor of Science Degree in Computer Science

This degree program was designed to provide students the opportunity to prepare for a wide range of positions in the computer industry, including applications programmer, systems analyst, and systems programmer. Computer science embraces the study of theory, design, and implementation of algorithms for processing information. The efficient implementation of algorithms may include the design of software, hardware or both. The computer science program at The University of Texas at Tyler emphasizes the integration of software and hardware aspects of problem solving. This program also prepares students for graduate study in computer science. Computer Science courses for this degree program should be selected from: COSC 3302, 3303, 3310, 3311, 3312, 4310, 4321, 4325, 4327, 4340, 4345, 4355, 4365, 4377, and 4430. (Effective 1998 six semester hours Calculus required)

### BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN COMPUTER SCIENCE

- A. General baccalaureate degree requirements
- B. 2.0 grade point average in all upper-division computer science courses attempted and a grade of "C" or better in all COSC courses listed in D.1. and D.2.
- C. 31 semester hours of upper-division computer science, 15 to be completed at this university
- D. The following specific computer science requirements:
  1. COSC 3302  
COSC 3303  
COSC 3312  
COSC 4321  
COSC 4430
  2. Three courses from:  
COSC 4310, 4325, 4327, 4340, 4355, 4377
  3. Two additional courses in upper-division computer science, excluding COSC 3301 and 3308
- E. Additional upper-division required courses
  1. MATH 3330  
MATH 3353 or approved MATH elective  
GENB 3301  
GENB 3370
  2. Eighteen semester hours of approved supporting electives in related disciplines.

### Bachelor of Science in Computer Information Systems

This degree program is designed to provide students the opportunity to prepare for a position in business programming and system analysis and design. The program emphasizes three major elements: computer science, business applications, and an intensive design project (COSC 4375). A special emphasis is on information networking. Knowledge of computer science, business management, and distributed computing are com-



bined to synthesize new information networks and services and, likewise, to evaluate the economics of alternative solutions.

## Bachelor of Science Requirements in Computer Information Systems

- A. General baccalaureate degree requirements.
- B. Grade of C or better in all upper-division computer science and business courses attempted.
- C. 31 semester credit hours of upper-division computer science, 15 to be completed at UT Tyler.
- D. 27 semester credit hours of upper-division business courses.
- E. 9 semester credit hours of support courses.
- F. The following specific computer science requirements:
  - 1. The computer science core courses:
    - COSC 3302
    - COSC 3303
    - COSC 4321
    - COSC 4430
  - 2. Computer science classes which support information systems and information networking:
    - COSC 3340
    - COSC 3365
    - COSC 4325
    - COSC 4375
  - 3. One course from each of the following sets of restricted electives:
    - a. COSC 3370 or COSC 4350
    - b. COSC 3310 or COSC 4309
- G. Business core courses:
  - GENB 3370
  - ACCT 3300
  - MANA 3330
  - GENB 3301
  - MARK 3311
  - MANA 3315
  - FINA 3311
  - MANA 4305
  - MANA 4395
- H. Additional upper-division required courses:
  - MATH 3353
  - MATH 3330
  - ECON 3311 or ECON 3317

## Cooperative Computer Science Education Program

Students who participate in the Cooperative Computer Science Education Program, which is offered for all majors in computer science, combine their studies with work experience in industry or government. A typical plan alternates semesters of study with periods of employment in fields related to the major. This combination of experiences enhances the student's knowledge, personal development, and preparation for a professional ca-

reer. Participants register at the University each semester and summer session. During each work period, the student registers for one course that consists of forty laboratory hours a week (work week). At the conclusion of the work period, the student must submit a report covering the work experience.

A student who has completed at least three work periods and has submitted suitable summary reports may request that three semester hours of credit for cooperative education be counted toward his or her degree requirements, usually as an elective.

To qualify for the Cooperative Computer Science Education Program, a student must have completed the following courses with a "B" or better: COSC 3302 and COSC 3312 or COSC 3365. Additionally, a student must have completed at least twelve semester hours at UT Tyler with a grade point average of at least 3.0.

To remain in the program, the student must maintain a grade point average of 2.5 and perform in a manner satisfactory to the employer and UT Tyler.

A student may apply for admission to the Cooperative Computer Science Education Program through the Chair, Department of Computer Science, School of Sciences and Mathematics, 3900 University Boulevard, Tyler, Texas 75799.

## Internships

Internships are designed to provide valuable learning experiences and to enhance the academic program.

## TEACHER CERTIFICATION

The state requirements for teacher certification are listed in the School of Education and Psychology section of this catalog. Candidates for secondary teaching certificates should pursue a standard academic major. Additional requirements for certification in computer science are outlined below.

## SECONDARY TEACHING SPECIALIZATION

A candidate for certification must complete a minimum of nine semester hours of computer science at UT Tyler, have a minimum grade point average of 2.0 in all upper-division computer science courses attempted and a grade of "C" or better in each of the computer science or mathematics courses specified below.

- A. Computer science as a single teaching specialization or as the first of two teaching specializations: completion of the requirements for the Bachelor of Science degree in computer science including COSC 4340
- B. Computer science as a second of two teaching specializations:
 

COSC 3302	3 hrs.
COSC 3312	3 hrs.
COSC 4321	3 hrs.
COSC 4430	4 hrs.
COSC 4340	3 hrs.
Computer science including BASIC language (up to 9 hours lower-division)	9 hrs.
MATH 3330	3 hrs.



## COMPUTER SCIENCE AS A MINOR

A student may choose computer science as a minor to satisfy bachelor degree programs with majors in other fields. This program requires a total of 18 semester hours of computer science, including computer science I (using Pascal or C) and COBOL. At least 12 semester hours of upper-division computer science must be completed including COSC 3302, 3312, 4321, and 4430.

## EXTENDED COMPUTER ACCESS FEE

An extended computer access fee will be required of all students enrolling for computer science courses at UT Tyler. The fee is \$40.00 per computer science course in addition to the basic computer access fee which is required of all students at UT Tyler each semester.

## COURSE DESCRIPTIONS

### COMPUTER SCIENCE (COSC)

#### COSC 3301

##### Modern Problem Solving

An introduction to the general techniques of problem solving using the computer. These techniques will fall into three broad categories: the traditional procedure approach, the functional approach and the Fourth Generation Language approach. While concepts will be illustrated with applications, the emphasis will be on developing problem solving skills. Extended computer access fee required.

#### COSC 3302

##### Structured Programming Applications

Study of a block structured programming language such as C or C++. Specification and design techniques for large programs. Some applications will be selected from data structures. Prerequisite: Pascal or C. Extended computer access fee required.

#### COSC 3303

##### Object-Oriented Abstraction and Design

Emphasis on program engineering using the object-oriented paradigm. Topics include: object-oriented programming, classes, in-

heritance, and abstract data types for system design. Prerequisites: COSC 3302 and MATH 3330. Extended computer access fee required.

#### COSC 3308

##### Personal Computing

Microcomputer systems, hardware, software, architecture and operating systems. Programming languages designed for microcomputer systems including Visual BASIC. Cannot be used for computer science major requirements. Prerequisite: Computer literacy. Extended computer access fee required.

#### COSC 3309

##### Information Systems Software

Integrated software packages, statistical packages, decision support packages will be studied including: DOS; Windows, word processing, spreadsheets, and database. Prerequisite: Computer Literacy. Extended computer access fee required.

#### COSC 3310

##### Multimedia and Internetworking Applications

Application and management of multiple data types such as: graphics, iconic forms, imaging video, audio documents, and compressed data. Additional coverage of INTERNET facilities and usage. Focus is on the man/machine interface as applied to business, training, education, and presentations. Prerequisites: COSC 3309. Extended computer access fee required.

#### COSC 3311

##### Fortran Applications Programming

Introduction to scientific programming and the FORTRAN programming language. Special emphasis will be given to problems in numeric methods. Prerequisite: Calculus. Extended computer access fee required.

#### COSC 3312

##### Computer Organization I

A study of machine and assembly language programming, elementary digital computer architecture, systems and operations through the use of IBM System/370 assembly language. Prerequisite: COSC 3302 or concurrent enrollment in COSC 3302. Extended computer access fee required.

#### COSC 3340

##### Database Management Concepts

Study of the methods of implementing database systems, designing databases, and maintaining databases. Special emphasis will be given to relational databases. Prerequisite: COSC 3302 or COSC 3365. Extended computer access fee required.

#### COSC 3350

##### RPG Applications Programming

Study of the RPG programming language and data processing applications on minicomputers. Prerequisite: COSC 3308. Extended computer access fee required.

#### COSC 3365

##### Commercial Applications Programming

Advanced structured COBOL programming

language techniques, commercial programming applications, control breaks, table handling and file processing. Prerequisite: COBOL. Extended computer access fee required.

#### COSC 3370

##### On-Line Systems

On-Line and Real-time systems will be studied. Basic concepts of distributed database will be covered. Prerequisite: COSC 3365. Extended computer access fee required.

#### COSC 4089

##### Problems for Co-Op Students

Special problems in computer science for cooperative students. Problems related to student's work assignment culminating in a research paper. Three hours may be used as technical electives, and one additional hour may be used as a free elective. A total of four hours may be used toward graduation. Prerequisite: Approval of department chair. Extended computer access fee required.

#### COSC 4309

##### Design of Information Systems

Introduction to prototyping and computer-aided software engineering. This course will provide a detailed study of advanced topics in information systems software including system libraries, database design, and distributed software. A complete information system will be developed from various software components. Prerequisite: COSC 3309 or equivalent. Extended computer access fee required.

#### COSC 4310

##### Operating Systems

System structure, memory management, process management, and recovery procedures will be covered. Various operating systems will be studied including the UNIX operating systems. Prerequisite: COSC 3312, COSC 4321. Extended computer access fee required.



**COSC 4321****Data Structures and Analysis of Algorithms**

Basic concepts and applications of arrays, lists, stacks, queues, trees, graphs, and searching and sorting algorithms. Prerequisite: COSC 3302 and MATH 3330. Extended computer access fee required.

**COSC 4325****Data Communications and Computer Networks**

Data communication hardware and software will be studied. Long-haul and local networks also will be covered. Prerequisite: COSC 3302 or COSC 3365. Extended computer access fee required.

**COSC 4327****UNIX Shell Programming**

Introduction to programming the UNIX Shell; directing structure manipulating files, built-in functions, control structures, utilities, and sublanguages. Prerequisite: COSC 3302. Extended computer access fee required.

**COSC 4340****Comparative Study of Programming Languages**

Syntax, semantics, and pragmatics of programming languages are studied. Languages covered will include Pascal, C, and LISP. Prerequisite: COSC 3302. Extended computer access fee required.

**COSC 4345****Computer Graphics**

Graphics, hardware, software, and applications. Data structures for graphics, graphic languages, computer-aided design, and three-dimensional graphics. Prerequisites: COSC 4321 and MATH 3330. Extended computer access fee required.

**COSC 4350****Advanced Applications**

Study of solutions for advanced data processing problems using the COBOL language and IBM utilities. Special emphasis will be given to the MVS operating system and JCL. Prerequisite: COSC 3365. Extended computer access fee required.

**COSC 4355****Analysis of Algorithms**

Emphasis on the analysis and design of algorithms to solve a wide range of problems in the field of computer science. Topics include: sorting, searching, applicable data structures, graphs, parallel algorithms, Fourier Transform, and geometry. May be used for graduate credit with consent of advisor. Prerequisite: COSC 4321. Extended computer access fee required.

**COSC 4365****Artificial Intelligence**

Survey of current artificial intelligence technologies: game playing, theorem proving, pattern recognition, searching algorithms, knowledge representation, neural networks, fuzzy systems, and heuristic programming. Prerequisites: COSC 4321 and MATH 3330. Extended computer access fee required.

**COSC 4370****Undergraduate Internship Program**

An 8 to 16 week program providing for a learning experience in a data processing environment. Prerequisite: COSC 3302 and consent of department chair. May be repeated once for credit. Majors may apply a maximum of 3 hours of credit to satisfy 30 semester hours of upper-division computer science. Extended computer access fee required.

**COSC 4375****Analysis of Information Systems**

An integrated perspective of the problems in today's information systems environment, concentration on contemporary design, methodologies, and considerations unique to users of computers and information systems. Prerequisites: MANA 3330, GENB 3370, MATH 3330, and either COSC 3340, COSC 3370, or COSC 4350. Extended computer access fee required.

**COSC 4377****Compiler Techniques**

Characteristics of the compiling process, syntax directed compiling, symbol table construction and searching, top down and bottom up methods, formal grammars, and a formalization of syntax. Prerequisite: COSC 3312 and COSC 4321. May be taken for graduate credit with consent of advisor. Extended computer access fee required. COSC 4381 Seminar in Computer Science This course is designed to study current trends in computer science. Prerequisite: Senior classification in computer science. Extended computer access fee required.

**COSC 4430****Computer Organization II**

Organization, logic, and components of computer systems with emphasis on the software and hardware of structured computer systems. Laboratory exercises illustrating topics in lecture. Three hours of lecture and three hours of laboratory per week. Prerequisite: COSC 3312. Extended computer access fee required.

**COSC 4099****Independent Study**

Independent study in specific areas of computer science not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair. Extended computer access fee required.

**GRADUATE COURSES**

Graduate courses are offered in computer science. See the "Graduate Programs" section for complete listings and descriptions.

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## DEPARTMENT OF MATHEMATICS

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Robert H. Cranford, chair

The Department of Mathematics offers the Bachelor of Science degree in mathematics and elementary and secondary certification in mathematics.

**OBJECTIVES**

The mathematics program offers the student an opportunity to gain an appreciation of the artistic nature of mathematics, to solve problems analytically, to acquire a firm foundation for advanced study, to acquire training for teaching, and an opportunity to acquire knowledge useful to a person entering scientific or business fields for which mathematics is necessary for efficient performance. The mathematics curriculum is designed to accomplish the above objectives through exposure to specific mathematical content, development of logical reasoning, and encouragement of the creative process and independent research. The degree program is flexible so that an individual can best prepare for his or her specific career. Students are encouraged to choose supporting work and electives which apply and reinforce their mathematical skills.



## LOWER-DIVISION PREPARATION

Since UT Tyler is an upper-division institution, all prospective students should complete certain foundation courses before entering this university. In addition to the general education requirements for a bachelor's degree, students desiring to major in mathematics or to use mathematics as a field of specialization for secondary teacher certification should complete differential and integral calculus at the freshman-sophomore level. Students should also prepare for upper-division work in supporting areas selected to enhance opportunities in their chosen careers. Mathematical preparation for elementary teacher certification with mathematics as a field of specialization should include analytical geometry and/or calculus.

## BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN MATHEMATICS

- A. General baccalaureate degree requirements
- B. 2.0 grade point average in all upper-division mathematics courses attempted
- C. A total of 36 semester hours of mathematics completed, including 24 semester hours of upper-division mathematics, nine semester hours of mathematics at this university
- D. Each student seeking a baccalaureate degree with a major in mathematics must complete the following specific requirements:
  1. MATH 3304 Multivariate Calculus  
MATH 3325 Foundations of Mathematics  
MATH 3345 Introduction to Analysis  
MATH 3380 Algorithms in Applied Mathematics  
MATH 4335 Introduction to Abstract Algebra  
MATH 4341 Introduction to Real Variables
  2. Two of the following:  
MATH 3365 Geometric Systems  
MATH 4342 Introduction to Complex Variables  
MATH 4350 Theory of Probability  
MATH 4380 Modeling and Numerical Analysis
  3. Three semester hours of computer science at the upper-level.
  4. Eighteen semester hours of approved electives in a related discipline or disciplines; at least nine semester hours must be at the upper-level and at least six semester hours must be completed at UT Tyler

## TEACHER CERTIFICATION

The state requirements for teacher certification are listed in the School of Education and Psychology section of this catalog. Candidates for elementary teacher certificates should pursue the Bachelor of Science degree in Interdisciplinary Studies or a standard academic major related to the Texas public school curriculum. Candidates for secondary teaching certificates should pursue a standard academic major. Additional requirements for elementary and secondary certification with specialization in mathematics are outlined below.

## ELEMENTARY TEACHING SPECIALIZATION

A candidate for certification must complete a minimum of six semester hours of mathematics at UT Tyler, have a minimum grade point average of 2.0 in all upper-division mathematics courses attempted and a grade of "C" or better in each of the courses specified below.

- |   |                      |
|---|----------------------|
| A. Mathematics as a first teaching specialization             |                      |
| calculus (lower-division)                                     | 6 hrs.               |
| MATH 3325   | 3 hrs.               |
| MATH 3345   | 3 hrs.               |
| MATH 3365   | 3 hrs.               |
| MATH 3380   | 3 hrs.               |
| approved mathematics electives (up to 6 hours lower-division) | 6 hrs.               |
|   | <b>TOTAL 24 hrs.</b> |
| B. Mathematics as a second teaching specialization            |                      |
| analytical geometry or Calculus (lower-division)              | 3 hrs.               |
| MATH 3325   | 3 hrs.               |
| MATH 3365   | 3 hrs.               |
| MATH 3380   | 3 hrs.               |
| approved mathematics electives (up to 6 hours lower-division) | 6 hrs.               |
|   | <b>TOTAL 18 hrs.</b> |

## SECONDARY TEACHING SPECIALIZATION

A candidate for certification must complete a minimum of nine semester hours of mathematics at UT Tyler, have a minimum grade point average of 2.0 in all upper-division mathematics courses attempted and a grade of "C" or better in each of the mathematics or computer science courses specified below.

- |   |                      |
|---|----------------------|
| A. Mathematics as a single teaching specialization or as the first of two teaching specializations: completion of the requirements for the Bachelor of Science degree in Mathematics including MATH 3365. |                      |
| B. Mathematics as a second of two teaching specializations:   |                      |
| Calculus (lower division)   | 6 hrs.               |
| MATH 3325   | 3 hrs.               |
| MATH 3345   | 3 hrs.               |
| MATH 3365   | 3 hrs.               |
| MATH 3380   | 3 hrs.               |
| COSC 3308 or 3311   | 3 hrs.               |
| approved mathematics electives (up to 6 hours lower-division)   | 6 hrs.               |
|   | <b>TOTAL 27 hrs.</b> |

## MATHEMATICS AS A MINOR

A student may choose mathematics as a minor to satisfy bachelor degree programs with a major in another field. This program requires a total of 18 hours of mathematics, including differential and integral calculus. At least nine semester hours of upper-division mathematics must be completed, including MATH 3325.



## COURSE DESCRIPTIONS

### MATHEMATICS (MATH)

#### MATH 3304

##### Multivariate Calculus

Study of Euclidean  $n$ -space, partial differentiation, and multiple integration. Prerequisite: Six semester hours of calculus. Course fee required.

#### MATH 3305

##### Ordinary Differential Equations

Study of ordinary differential equations. Emphasis is given to equations of the first order, linear equations, and solution by series. Prerequisite: Six semester hours of calculus. Course fee required.

#### MATH 3310

##### Mathematical Analysis

Study of the real number system, sets, functions, graphs, linear equations, linear inequalities, differential and integral calculus. Prerequisite: College algebra or equivalent. (Credit not given to mathematics majors, minors, or students using mathematics as a secondary teaching specialization.) Course fee required.

#### MATH 3315

##### Linear Algebra and Matrix Theory

Study of finite dimensional vector spaces and linear transformations. Emphasis is given to basic theory of matrices. Prerequisite: Nine semester hours of mathematics. Course fee required.

#### MATH 3320

##### Concepts of Modern Mathematics I

Study of topics from set theory and development of elementary number systems. Course intended for Interdisciplinary Studies majors only. (Credit not given to mathematics majors, minors, or students using mathematics as a teaching specialization.) Course fee required.

#### MATH 3325

##### Foundations of Mathematics

Study of elementary logic, intermediate set theory, relations, functions, and countable number systems. Prerequisite: Six semester hours of mathematics. Course fee required.

#### MATH 3330

##### Discrete Structures

Study of mathematical logic, sets, combinations, relations, functions, graphs and trees, Boolean algebra, and algebraic structures. Prerequisite: MATH 3310 or equivalent and one high-level computer language. Course fee required.

#### MATH 3345

##### Introduction to Analysis

Study of metric spaces, sequences, series, and continuous functions. Emphasis is given to real and complex number systems. Prerequisites: MATH 3325 and six semester hours of calculus. Course fee required.

#### MATH 3350

##### Statistical Methods in Research

Study of statistical methods utilized in research with emphasis given to a survey of mathematical concepts pertinent to the study of basic statistics, descriptive statistics, confidence intervals, hypothesis testing, correlation, and chi-square test. Course intended for nursing majors only. (Credit not given to mathematics majors, minors, or students using mathematics as a teaching specialization. Students cannot receive credit for both MATH 3350 and MATH 3353.) Course fee required.

#### MATH 3353

##### Statistics (Same as GENB 3353)

Measures of central tendency and dispersion, sampling, probability, testing of hypothesis, correlation and regression, time series, and index numbers. Prerequisite: MATH 3310 or equivalent. (Cannot be used to satisfy upper-division major requirements in mathematics. Students cannot receive credit for both MATH 3350 and MATH 3353.) Course fee required.

#### MATH 3365

##### Geometric Systems

Study of Euclidean and non-Euclidean geometries. Prerequisite: MATH 3325. Course fee required.

#### MATH 3380

##### Algorithms in Applied Mathematics

Study of applications selected from descriptive statistics, combinatorics, numerical methods, and matrices utilizing the computer through the BASIC language. Prerequisite: COSC 3308 and either six semester hours of calculus or MATH 3325. Course fee required.

#### MATH 4320

##### Concepts of Modern Mathematics II

Study of number systems, algebra, and geometry. Prerequisite: MATH 3320 or equivalent. (Credit not given to mathematics majors, minors, or students using mathematics as a teaching specialization.) Course fee required.

#### MATH 4335

##### Introduction to Abstract Algebra

Study of algebraic structures. Emphasis is given to groups, rings, and fields. Prerequisite: MATH 3325. May be taken for graduate credit with consent of advisor. Course fee required.

#### MATH 4341

##### Introduction to Real Variables

Study of real-valued functions of a real variable. Emphasis is given to continuity, differentiation, integration, series expansions. Prerequisite: MATH 3345. May be taken for

graduate credit with consent of advisor. Course fee required.

#### MATH 4342

##### Introduction to Complex Variables

Study of functions of a complex variable. Emphasis is given to analytic functions, differentiation, integration, series expansions. Prerequisite: MATH 3345. May be taken for graduate credit with consent of advisor. Course fee required.

#### MATH 4350

##### Theory of Probability

Study of mathematical probability theory. Emphasis is given to combinatorial analysis, axioms of probability, conditional probability, random variables, density functions, distribution functions, moments, and limit theorems. Prerequisite: Six semester hours of calculus and MATH 3325. May be taken for graduate credit with consent of advisor. Course fee required.

#### MATH 4380

##### Modeling and Numerical Analysis

Study of the development of mathematical models focusing on the numerical analysis which forms the basis for the models. Prerequisite: MATH 3380. May be taken for graduate credit with consent of advisor. Course fee required.

#### MATH 4099

##### Independent Study

Independent study in specific areas of mathematics not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of department chair.

## GRADUATE COURSES

Graduate courses are offered in mathematics. See the "Graduate Programs" section for complete listings and descriptions.



# DIVISION OF NURSING

Linda K. Klotz, interim director

The Division of Nursing offers the Bachelor of Science in Nursing Degree. Upon successful completion of the BSN at either the Tyler or the Palestine campus, graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

## MISSION STATEMENT

As a component of The University of Texas at Tyler, the Division of Nursing fosters critical thinking, scholarship and research in faculty, students, and the community. Through excellence in teaching, individuals representative of diverse populations are prepared to assume a variety of challenging roles in professional nursing, and are empowered to participate as productive members of the profession and society.

## OBJECTIVES

Purposes of the Bachelor of Science in Nursing program are to provide students with the opportunity to acquire knowledge useful to nurses as generalists at the baccalaureate level, to improve the quality of nursing care in the community, and to provide students with the opportunity to acquire a base for graduate study.

The program provides students with the opportunities to acquire the following: (1) the ability to synthesize relevant information from other disciplines (2) an understanding of the theoretical and empirical knowledge of nursing practice (3) the ability to assess client needs and provide appropriate intervention (4) the capacity to work effectively in delivery of health care with individuals, families, groups, and communities (5) the ability to work in collaboration with other health care providers and consumers (6) an understanding of the research process and its effects on nursing practice (7) skill in evaluating current nursing practices and implementing change (8) an appreciation of the function of the professional nurse within the health care system (9) the capacity to effect change by working with and through others (10) a basis for graduate study in nursing.

## PREREQUISITES

All students must complete the general education requirements of the University (including college algebra) and prerequisite nursing courses with a grade of "C" or better and a minimum GPA of 2.75 (4.0 basis). Prerequisite nursing courses include:

### PHYSICAL AND BIOLOGICAL SCIENCES

anatomy and physiology

general chemistry (two semester laboratory sequence)

6-8 hrs.

6-8 hrs.

## DIVISION OF NURSING

microbiology or bacteriology  
nutrition

3-4 hrs.

3 hrs.

### SOCIAL SCIENCES AND HUMANITIES

life span growth and development

3 hrs.

general (intro) psychology

3 hrs.

general (intro) sociology

3 hrs.

**NOTE:** Beginning with the Fall 1998 admissions, all students will be required to take college algebra prior to admission to the Nursing program.

## ADMISSION POLICY

### Full Admission

Students are eligible for consideration for full admission to the undergraduate nursing program provided they have completed the general education requirements, the nursing prerequisite courses, have a minimum grade point average of 2.75, and a current Nursing Verification Form on file.

### Conditional Admission

Students are eligible for consideration for conditional admission to the undergraduate nursing program provided they have completed a majority of the general education requirements and the nursing prerequisite courses. Students must have a minimum grade point average of 2.75 in the completed courses and demonstrate an intent to successfully complete the general education requirements and the nursing prerequisite courses prior to enrollment in the nursing courses at UT Tyler. Students seeking conditional admission must complete the Deficiency Plan located on the back of the Nursing Verification Form. The Nursing Verification Form will be submitted with the application for admission. Any changes which occur after the Deficiency Plan has been submitted must be placed on file in the Division of Nursing. Once the deficient courses have been completed, official transcripts must be sent to the Office of Admissions and Student Records before students enroll in the nursing courses at UT Tyler.

## ADMISSION PROCEDURE

Submit to the Office of Admissions and Student Records an application for admission, official transcripts from each school attended, a Division of Nursing Verification Form, and provide certification of eligibility to return to the nursing program where previously enrolled. Students seeking conditional admission are required to complete the Deficiency Plan located on the back of the Nursing Verification Form. Application deadlines to the nursing program are March 15 for the fall semester and October 15 for the spring semester.

The application for admission and official transcripts are evaluated by the Office of Admissions and Student Records for admission to the university. Admission to the nursing program is determined by the Division of Nursing. Applications received after the nursing deadline will not be considered for that semester. Applicants who are not accepted for the semester preferred must submit a new Verification Form to the Division of Nursing. If the student has completed additional coursework, these official transcripts must be submitted to the Office of Admissions and Student Records. Students who were not admitted must submit all required information prior to the next application deadline.



## DISMISSAL

The Division of Nursing reserves the right, consistent with the Rules and Regulations of the Board of Regents of The University of Texas System, to require the withdrawal from the Division of Nursing of any student whose behavior is deemed to threaten the welfare of patients.

## EXPENSES OF THE NURSING PROGRAM

In addition to general university tuition and fees, the student majoring in nursing assumes financial responsibility for uniforms, clinical accessories, standardized achievement tests, and usage fees for equipment and disposable supplies. In addition, students will pay a fee during the final semester to take the NCLEX-RN exam after graduation. Prior to beginning clinical nursing courses all students must submit evidence of the following: (1) physical examination within the last six months (2) current immunizations- MMR, hepatitis B series, tetanus, diphtheria, polio (3) TB screening (4) current First Aid [licensed students exempt from this requirement] (5) American Heart Association Healthcare Provider CPR or Red Cross Professional CPR certification, and (6) professional liability insurance.

The student must also provide her/his own transportation to health care agencies. Driving distances will vary.

## ACHIEVEMENT EXAMINATIONS

Achievement examinations will be administered throughout the nursing program. In addition to fulfilling the academic requirements of the university and Division of Nursing, all students must successfully pass a comprehensive achievement examination in the final semester of the nursing program.

## BACHELOR OF SCIENCE IN NURSING DEGREE REQUIREMENTS

- A. General baccalaureate degree requirements of UT Tyler
- B. A minimum grade of "C" in each nursing course and in all required upper-division courses for the BSN degree
- C. After admission into the nursing program, the student will complete the following sequence of courses composed of 54 hours in nursing theory and clinical practice and 6 hours in sciences and mathematics
- D. All required nursing courses in which the student does not receive a minimum grade of "C" may be retaken only once. A withdrawal constitutes one of the two possible opportunities to successfully complete the course.
- E. The practicum portion of each clinical course is graded on a Pass-Fail basis. Failure of the practicum component constitutes failure of the course.

COURSE	SEMESTER	CREDIT HOURS
	<b>Semester I</b>	
NURS 3205	Nursing Concepts and Theories	2
NURS 3310	Health Assessment	3
NURS 3307	Pharmacological Basis For Nursing	3
NURS 3401	Community Health Nursing	4
NURS 3403	Nursing Competencies	4
		16 hrs.
	<b>Semester II</b>	
NURS 3611	Nursing Care of the Adult I	6
NURS 3613	Psychiatric and Mental Health Nursing	6
NURS 3212	Perspectives of Contemporary Community Needs	2
BIOL 3328	Pathophysiology	3
		17 hrs.
	<b>Semester III</b>	
NURS 4621	Nursing Care of the Childbearing Family and Newborn	6
NURS 4623	Nursing Care of Children and Their Family	6
MATH 3350	Statistical Methods in Research	3
		15 hrs.
	<b>Semester IV</b>	
NURS 4134	Nursing Issues and Trends	1
NURS 4431	Nursing Leadership and Management	4
NURS 4432	Nursing Care of the Adult II	4
NURS 4333	Nursing Research	3
		12 hrs.

TOTAL 60 hrs.

## MINE OPTION BACCALAUREATE DEGREE IN NURSING

The Mobility in Nursing Education (MINE) option is designed for registered nurses and licensed vocational nurses as an alternative and accelerated educational program for the baccalaureate degree. The curriculum is constructed to augment the prior learning and professional experiences of licensed nurses. Classroom and independent learning activities accompanied by structured and individualized clinical experiences function to prepare the registered and licensed vocational nurse for the professional role. Upon graduation the licensed vocational nurse is eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

All classes are offered one day per week during the fall and spring semesters; some courses are available during summer sessions. It is possible to complete the MINE option in one calendar year (three semesters) of full-time study.



SEMESTER		CREDIT HOURS
COURSE		
<b>Semester I</b>		
NURS 3205	Nursing Concepts and Theories	2
NURS 3210	Health Assessment for Licensed Nurses	2
NURS 3401	Community Health Nursing	4
NURS 3415	Clinical Applications I	4
		12 hrs.
<b>Semester II</b>		
BIOL 3328	Pathophysiology	3
MATH 3350	Statistical Methods in Research	3
NURS 4625	Clinical Applications II* (30, LVN's; 34, RN's)	6
		12 hr. (36 LVN's/RN's-40)
<b>Semester III</b>		
NURS 4134	Nursing Issues and Trends	1
NURS 4333	Nursing Research	3
NURS 4431	Nursing Leadership and Management	4
NURS 4432	Nursing Care of the Adult II (Required for LVN's Only)	4
		8 hr. (RN's) -12 hr.(LVN's)
		TOTAL 60 hr.

\*Advanced Placement Credit of 24 hrs. awarded to LVN's upon completion of course.

\*Advanced Placement Credit of 28 hrs. awarded to RN's upon completion of course.

Advanced placement credit is awarded at the completion of all degree requirements.

## COURSE DESCRIPTIONS

### NURSING (NURS)

#### NURS 3205

##### Nursing Concepts and Theories

The student is introduced to nursing process, nursing theories, human caring, and concepts of professionalism and research. Emphasis is on the historical and current developments in the profession of nursing, professional roles, legal and ethical dimensions, and professional organizations. Prerequisite: Admission to the nursing major. This course may be taken concurrently with NURS 3210/3310, NURS 3403, NURS 3401. Course fee required.

#### NURS 3210

##### Health Assessment for Licensed Nurses

This course builds on basic nursing knowledge and skills previously acquired by licensed nurses. Students acquire and/or hone skills used in the comprehensive health assessment of clients across the life span through integration of physiological, developmental, psychological, and sociological concepts. Emphasis is placed on assessment of the well client throughout the life span with the identification of deviations from normal. Prerequisite: Admission to the MINE option or with permission of the instructor. Course fee required. (Credit: 1-1)

#### NURS 3212

##### Perspectives Of Contemporary Community Needs

This course focuses on the role of the nurse in meeting the acute care needs of the community. Content includes an overview of community concepts and resources applicable to clients across the life span with specific home health or outpatient needs. Emphasis is placed on assessment of the vulnerable geriatric population. Prerequisite: Level I courses and concurrent enrollment in NURS 3611 and NURS 3613, or consent of instructor. Course fee required.

#### NURS 3307

##### Pharmacological Basis for Nursing

This course focuses on the pharmacotherapeutic aspects of nursing care. Emphasis is on drug calculation accuracy, pharmacological actions and responses associated with major drug classifications, patient assessment, and patient and family medication education. Pharmacological aspects are explored across the life span. Prerequisite: Admission to the nursing program. Course fee required.

#### NURS 3310

##### Health Assessment

This course focuses on acquisition of skills used in the comprehensive health assessment of clients across the life span. The student explores communication skills and is introduced to the concept of person in the context of physiological, developmental, psychological, and sociocultural environments. Emphasis is placed on assessment of the well client throughout the life span, with the identification of deviations from normal. Prerequisite: NURS 3205, or concurrent enrollment. Course fee required. (Credit: 2-1)

#### NURS 3401

##### Community Health Nursing

Nursing care in the community is an integration of nursing and public health sciences designed to enable the student to focus on the individual, the family, and the community as they seek to promote and maintain optimum health. The student engages in the

nursing process with individuals and families striving for optimum health through community health nursing interventions and effective use of resources. The individual, family, and community are analyzed as resources as are a variety of agencies/institutions and the health care delivery system. Prerequisite: NURS 3205, NURS 3403, NURS 3210/3310 or concurrent enrollment. Course fee required. (Credit: 2-2)

#### NURS 3403

##### Nursing Competencies

Initially, the student is introduced to the process, principles, and techniques of nursing with opportunities to practice in selected clinical settings. Students have the opportunity to learn basic nursing skills necessary to care for dependent or hospitalized clients, as well as learning techniques to promote client independence. The student assesses and analyzes clients' stressors and develops a plan of care. Emphasis is placed on integrating the nursing process and interpersonal caring into clinical practice. Prerequisites NURS 3205, NURS 3310 or concurrent enrollment. Laboratory fee required. Extended computer access fee required. (Credit: 2-2)

#### NURS 3415

##### Clinical Applications I

This course is designed to allow the licensed student to apply basic professional nursing content/concepts to a variety of agency and community based clinical situations. Course activities will focus on health promotion and nursing care of clients throughout the life span and will enable the student to learn the latest in theory based nursing practice. Prerequisite: for RN's and LVN's enrolled in the MINE option. Course fee required.



**NURS 3611****Nursing Care of the Adult I**

Nursing care of the adult applies the nursing process in primary, secondary, and tertiary prevention with individuals, families, and groups experiencing medical/surgical problems in selected clinical settings. Prerequisite: All courses in Semester I, BIOL 3328 or concurrent enrollment. Laboratory fee required. (Credit: 3-3)

**NURS 3613****Psychiatric and Mental Health Nursing**

Nursing care of clients with psychosocial problems is designed to assist the student in applying the nursing process in psychiatric/mental health settings. While the emphasis is clearly on secondary prevention, time will also be spent on aspects of primary and tertiary prevention. Theory and research will be examined relating a variety of findings to clinical practice. Nursing interventions related to symptoms of disease are applied to client needs expressed in both the physical and psychosocial domains. Prerequisite: All courses in Semester I, BIOL 3328 or concurrent enrollment. Course fee required. (Credit: 3-3)

**NURS 4313****Emergency Nursing**

This course is an introduction to the concepts, theory, and practice of Emergency Nursing. Prerequisite: Completion of NURS 3611 or RN licensure. Course fee required.

**NURS 4314****Nursing Care of the Perioperative Client**

This course introduces the concepts, theories, and practice of perioperative nursing. Prerequisite: completion of NURS 3403, or equivalent fundamentals course, or licensure as an RN or LVN. Course fee required. (Credit: 2-1)

**NURS 4318****Women's Health Issues**

This course covers a wide variety of issues relating to women's health and is available to all majors. A holistic approach is used to investigate issues impacting the health of women. Course fee required.

**NURS 4323****Holistic Health: The Art and Science of Caring and Healing**

This course is designed to introduce the student to holistic philosophy, theory, and practice. Included will be seminar discussion, demonstration, and experiential sessions on holistic health assessment and alternative treatment modes to promote health and healing in practice and in daily living. Open to all majors. Course fee required.

**NURS 4345****The Older Adult: Dimensions of Care**

This course provides an opportunity for synthesis of selected issues related to health care of the older adult in societal context. The focus is on health status and equality of life. Participants will review issues of aging and health care in both local and national society through the professional literature, recent research, and interaction with guest faculty of older adults. Course fee required.

**NURS 4621****Nursing Care of the Childbearing Family and Newborn**

Nursing care of the Childbearing family is designed to enable the student to apply the nursing process to families in the antepartal, intrapartal and postpartal stages of reproduction and to the newborn period. Emphasis is on the family experiencing a normal pregnancy and the normal newborn. Interventions will be examined and utilized which are appropriate for the high-risk mother and infant. The family-centered approach will be utilized as the method for delivery of care. Prerequisite: All courses in Semester II. Course fee required. (Credit: 3-3)

**NURS 4623****Nursing Care of Children and Their Family**

Nursing care of the child and family is designed to enable the student to apply the nursing process in primary, secondary, and tertiary prevention with emphasis upon continuity of care. The child is viewed holistically on the illness-wellness continuum. Knowledge of the child's developmental stages serves as a basis for developing a nursing plan of care. Prerequisite: All courses in Semester II. Course fee required. (Credit: 3-3)

**NURS 4625****Clinical Applications II**

This course is designed to enhance implementation of core curriculum concepts of professional nursing in a variety of health care situations. Course content and activities will focus on professional roles and responsibilities in the contemporary healthcare marketplace. The impact of managed care and other reform strategies will be explored in regard to professional standards and in the code of ethics. Prerequisite: NURS 3205, NURS 3210, NURS 3401, or consent of instructor. Concurrent enrollment BIOL 3328. For RN's and LVN's enrolled in the MINE option. (An additional 24 hours of advanced placement credit will be awarded to LVN's upon successful completion of this course. RN's will receive an additional 28 hours of advanced placement credit awarded upon successful completion of this course.) Course fee required.

**NURS 4134****Nursing Issues and Trends**

This seminar focuses on an in-depth exploration of clinical nursing concepts through group presentations pertaining to contemporary issues in practice and health care. Emphasis will be placed on utilization of group dynamics and conflict resolution techniques to reach a mutual goal. Prerequisite: All courses in Semester III. Concurrent enrollment with NURS 4431 and/or NURS 4432.

**NURS 4333****Nursing Research**

Components of the research process are presented and discussed. Applicability of various types of research to clinical practice is emphasized. Students critique and evaluate selected research studies. Prerequisite: All courses in Semester III. Extended computer access fee, course fee required.

**NURS 4341****Special Topics in Nursing**

Topics are designed to provide additional theory and/or opportunity to practice nursing skills in selected clinical areas. Up to twelve hours may be applied to a degree.

**NURS 4431****Nursing Leadership and Management**

The purpose of this course is to critically examine the role of nursing leadership and management in contemporary health care settings. Emphasis will be on leadership and the management process using knowledge and skills derived from both theory and research. The focus will be on skills and behaviors necessary to achieve excellence in nursing. Content will incorporate basic knowledge from management, economics, marketing, and other business disciplines vital in health care today. Students will have the opportunity to observe and practice selected leadership and management skills in a variety of clinical settings. Prerequisite: NURS 4625 or all courses in Semester III, NURS 4134 or concurrent enrollment. Course fee required. (Credit: 2-2)

**NURS 4432****Nursing Care of the Adult II**

Nursing care in advanced medical-surgical settings designed to enable the student to apply theory in the clinical practicum. Primary, secondary, and tertiary prevention for individuals, groups, and families is covered. Prerequisite: All courses in Semester III. Extended computer access fee required. (Credit: 2-2)



**NURS 4435**

**Cross-Cultural Perspectives  
in Health Care**

The purpose of this course is to facilitate personal experience in the effect of culture on health and health care delivery. It focuses on transcultural stress and the adaptation of the individual and family in the illness prevention, health promotion and maintenance process. Field experience is a major part of this course. Course fee required.

**NURS 4099**

**Independent Study**

Independent study in specific areas of nursing not covered by organized undergraduate courses. A maximum of six credit hours for independent study courses may be applied toward an undergraduate degree. Prerequisite: Consent of division director.

**GRADUATE COURSES**

Graduate courses are offered in nursing. See the "Graduate Programs" section for complete listings and descriptions.

# GRADUATE POLICIES AND PROGRAMS

The University of Texas at Tyler provides graduate courses and degree programs for persons seeking to continue their studies past the baccalaureate and offers the following graduate degrees:

## Master of Arts

Degree programs include majors in curriculum and instruction, early childhood education, English, health and kinesiology, history, interdisciplinary studies, professional counseling, reading, and special education. The program in interdisciplinary studies provides the student the opportunity to focus on courses from at least three fields.

## Master of Business Administration

This thesis or non-thesis integrated program with a major in business administration includes courses in accounting, economics, finance, general business, management, and marketing.

## Master of Education

Degree programs include majors in curriculum and instruction, early childhood education, educational administration, health and kinesiology, reading, and special education.

## Master of Public Administration

This non-thesis program includes courses in public management, public finance and budgeting, policy and analysis and evaluation, and research methods. Elective hours in fields such as political science, sociology, criminal justice and related areas are permitted.

## Master of Science

Degree programs include majors in biology, clinical exercise physiology, computer science, interdisciplinary studies, kinesiology, mathematics, psychology, public administration, and technology. The program in interdisciplinary studies provides the student the opportunity to focus on courses from at least three fields.



## Master of Science in Nursing

This thesis or non-thesis program emphasizes the development of leadership/management skills through the avenues of advanced clinical practice, administration, research, and/or education.

## Master of Science in Nursing / Master of Business Administration

This coordinated degree option incorporates content in management, economics, finance and marketing into a framework for nursing service and health care administration.

## GENERAL GRADUATE ADMISSION REQUIREMENTS

Students applying to take graduate courses must fulfill the following requirements:

- Hold a baccalaureate degree from an accredited institution
- Complete an application for admission which may be obtained from the Office of Admissions and Student Records
- Submit an official transcript from the college or university that awarded the baccalaureate or higher degree
- Certify eligibility to return to the college or university the student attended most recently

The completed application and official transcripts must be received by the Office of Admissions and Student Records prior to the semester of initial enrollment. Eligibility to enroll for graduate study does not imply admission to a specific graduate degree program. The academic units make the official determination

## Student Seeking a Graduate Degree

A student seeking a graduate degree must fulfill the following in addition to the general graduate admission requirements:

- Submit official transcripts from all schools attended
- Select a specific degree program
- Receive approval from advisor and dean of the appropriate school for transfer of graduate credit from an approved institution to satisfy degree requirements
- Take the appropriate entrance examination for the selected degree program
- Satisfy the entrance examination, grade-point average, and any other specific requirements for the selected degree program
- Receive official admission to the selected degree program  
Courses completed at UT Tyler before formal admission to a degree program may be applied only with the written approval of the graduate advisor.
- Complete an approved degree plan with the appropriate advisor which identifies the transfer credit awarded and specifies any special requirements
- Complete the total number of semester credit hours and other requirements of the degree plan (including transfer credit) within a six-year period  
Courses completed on a credit-grading basis (CR) may not be applied toward a graduate degree without approval of the graduate coordinator or the

appropriate department chair.

- Pass the appropriate comprehensive examinations for the selected degree program See Comprehensive Examination Guidelines in this section.
- Submit an approved thesis if required  
See Thesis in this section.
- File for graduation during the semester of graduation  
See "Filing for Graduation" in this catalog.

## Academic Fresh Start

An applicant who has earned a baccalaureate degree under the "academic fresh start" statute, *Texas Education Code*, § 51.929, and applies for admission to a postgraduate or professional program will be evaluated on only the grade point average of the course of work completed for that baccalaureate degree and the other criteria stated herein for admission to the postgraduate or professional program.

## International Student Seeking a Graduate Degree

Applicants from countries other than the United States may be admitted to the university subject to the following regulations in addition to the general admission requirements:

- Accompanying the application must be an official English translation of the transcripts if the academic transcripts are in a foreign language
- Results of the Test of English as a Foreign Language (TOEFL) must be submitted before admission will be granted  
A minimum score for admission for the graduate student is 550. Information concerning the TOEFL may be obtained by writing to TOEFL, P.O. Box 899, Princeton, New Jersey 08540 U.S.A.
- An affidavit of support is required indicating the source of funds being made available to the student and the amount of money being provided and the length of time the funds will be made available
- International students desiring to enter one of the graduate programs must be admitted to the graduate program before being admitted to the university  
The required transcripts and admission test must be placed on file prior to consideration.
- Holders of student (F-1) visas must be classified as full-time students  
For international students, the minimum course load is 9 semester credit hours for graduate students.
- The filing deadlines for applications and the required documents to be received in the Office of Admissions and Student Records are as follows:  
May 30 for the fall semester, October 30 for the spring semester, and March 30 for the summer terms.
- Before registration applicants must present:
  - Current passport or
  - Resident alien card (green card) and a completed residence questionnaire to the Office of Admissions and Student Records.
- International students holding non-immigrant visas are required to maintain approved comprehensive health insurance or coverage while enrolled at UT Tyler  
A health insurance fee will be assessed at the time of enrollment. The health insurance fee will be in the amount of the premium approved for the UT System



Student Health Insurance Plan for the actual cost of the insurance and may not be paid through an installment plan.

### Graduate Student Not Seeking a Degree

A student who desires to take graduate courses for personal enrichment, for job advancement, or for transfer to another institution, may do so by meeting the general graduate admission requirements and any prerequisites where applicable.

Graduate students not seeking a degree who wish to become degree candidates, must fulfill the requirements for a graduate student seeking a degree.

Courses completed on a credit/no-credit grading basis may not be applied toward a graduate degree.

### Student Seeking a Second Graduate Degree

A student who already holds a graduate degree from an accredited institution may pursue a second graduate degree. The second degree must open a new area, field, or major approved by the student's advisor.

With the exception of coordinated degree programs, the degree requirements for the second graduate degree must be satisfied without using courses applied to a previous degree. Credit applied to a previous degree which duplicates a portion of the program required under the second degree will not reduce the number of hours required for the second degree. Courses already taken would not have to be repeated, but additional course work would be substituted for such previously completed courses.

## GRADUATE ACADEMIC PROBATION

A student has a cumulative grade-point deficiency when he or she has accumulated a grade-point average at UT Tyler of less than 3.0 based on nine or more semester credit hours. Students having a cumulative grade point deficiency are placed on academic probation. For the purposes of determining compliance with the policies of academic probation, the two summer terms are treated as one semester.

Students on academic probation must earn a minimum grade-point average of 3.0 or above in subsequent semesters until the cumulative grade-point deficiency is removed. Failure to do so results in academic suspension. A student on probation should not register for more than six hours and must obtain advisor's approval to register.

Grade-point deficiencies incurred at UT Tyler must be removed through additional course work at UT Tyler. Grade points earned at other institutions are not used in computing the grade-point average and may not be used to remove a deficiency. A student who leaves the university on scholastic probation will be readmitted on scholastic probation even if he or she has attended another institution in the interim.

## GRADUATE ACADEMIC SUSPENSION

A graduate student will be suspended from the university for failure to meet the terms of academic probation. A student suspended from the university for the first time will remain suspended for the succeeding semester or two summer terms and must receive approval for readmission from the appropriate dean.

Any academic suspension subsequent to the first suspension will be for at least twelve months and readmission to the university will be granted only upon the approval of the Graduate Council. Procedures for submitting a petition for readmission to the university through the Graduate Council may be obtained from the Office of Admissions and Student Records. The petition must be received two months prior to the beginning of the semester in which the student wishes to enroll.

A student admitted to the university after having been suspended will do so on academic probation.

## GRADUATE COURSES TAKEN BY UNDERGRADUATES

An undergraduate student in the last semester may take graduate courses for graduate credit. Undergraduate enrollment in graduate courses is subject to the following conditions:

- A. The student must be within 12 semester hours of graduation
- B. Enrollment in each graduate course must receive prior approval by the graduate coordinator or appropriate department chair of the school offering the course
- C. The approved permit form (OR 101) must be submitted by the student at registration

## UNDERGRADUATE COURSES FOR GRADUATE CREDIT

In some programs, a graduate student seeking a degree may apply a limited number of specified undergraduate courses toward the fulfillment of the degree requirements. Since the requirements vary from program to program, the student should consult the appropriate section of this catalog and the advisor to determine the applicability of the specific course.

In cases where undergraduate courses may be applied toward a graduate degree, the following conditions must be satisfied:

- A. The student must obtain the consent of his advisor
  - B. The student must submit an approved form (OR 101) at registration
  - C. The course must be on the list of courses approved for graduate credit
- Undergraduate courses approved for graduate credit are indicated at the end of the graduate course descriptions for each discipline.

## TRANSFER OF GRADUATE CREDIT

Subject to the approval of the advisor and the dean of the appropriate school, a student may transfer credit from an approved institution to satisfy degree requirements for a graduate degree at UT Tyler. Since the restrictions placed upon transfer work may vary from program to program, each graduate degree student should refer to the section of this catalog which details the requirements of the proposed degree.

## TIME LIMITATION

Degree requirements for graduate programs at UT Tyler must be completed within a six-year period. Graduate credit transferred from another institution must meet the limitations imposed by each degree program.



## COMPREHENSIVE EXAMINATION GUIDELINES

Graduate programs administering comprehensive examinations use the following guidelines:

- A. The comprehensive examination should be written, should be taken on campus, and should not be waived (even if the student has just recently been enrolled in the courses which the comprehensive examination covers)
- B. The date(s) of the examination(s) should be publicized at least 30 days in advance
- C. The student's major field advisor is responsible for scheduling and administering the examination

## THESIS

Several graduate degree programs at UT Tyler require a thesis. A student seeking a degree should consult the appropriate section of this catalog to determine if a particular degree requires a thesis.

## Guidelines and Procedures

Students considering enrollment in a thesis course should obtain a copy of "Guidelines for the Preparation and Presentation of a Thesis at The University of Texas at Tyler" from the dean or graduate coordinator of the appropriate school. These guidelines describe procedures for typing, submitting, printing, and binding the thesis.

## Enrollment

Students required to write a thesis for their degree must register for a thesis course each semester, after research has commenced, until the thesis has been accepted.

## Submissions Deadlines

The required number of completed copies of the thesis must be submitted to the dean or graduate coordinator of the appropriate school two weeks before the first day of final exams of the final semester. Specific deadlines for submitting completed thesis for the fall, spring, and summer terms are available in the office of the dean or graduate coordinator of the respective school.

## Grading Policy

A student registered for thesis who does not submit the approved thesis to the dean or graduate coordinator of the appropriate school before the thesis deadline for that semester will receive an incomplete "I" grade. Once the thesis has been accepted, previous incomplete "I" grades will be changed to reflect six semester hours of credit for thesis. All other incomplete "I" grades for thesis courses will be changed to no credit "NC" grades.

## Approval

The completed thesis must be approved by the thesis advisor, the appropriate graduate coordinator or dean, and the Graduate Council before the student will receive final certification for the degree.

## MASTER OF ARTS AND MASTER OF SCIENCE DEGREES IN INTERDISCIPLINARY STUDIES

The Master of Arts and the Master of Science degrees in interdisciplinary studies are intended for persons desiring graduate studies in a wider range of fields than normally possible in a program with a traditional major. The student's background and goals are considered in the design of the individual degree plan.

## ADMISSION REQUIREMENTS

In addition to the general requirements for admission to graduate study, the following elements are used to calculate the admission score for the interdisciplinary studies degree program:

- A. Submit a minimum Graduate Record Examination (GRE) score of 1000 on the combination of the Verbal Ability and Quantitative Ability or Analytical Ability sections.
- B. Have a minimum grade-point average (GPA) of 2.5 on the last 60 hours of upper division course work and a 3.0 on all graduate work taken.
- C. Students who do not have the above GRE and GPA minimums but do have an aggregate minimum score of 1200 (computed as Verbal Ability + Quantitative Ability or Analytical Ability + 100 x GPA) may be admitted on condition that they obtain a B or better in each of two graduate courses approved by the graduate coordinator, department chair, or dean in the first field of study. Students whose aggregate GRE and GPA minimums are below 1200 as computed above may appeal to an Admissions Appeal Committee consisting of the faculty advisor, the department chair in the area selected as the first field of study, and one other faculty member selected by the dean or graduate coordinator. A recommendation for admission from this committee must be unanimous, and must be forwarded to the dean or graduate coordinator for final approval.

## DEGREE REQUIREMENTS

### Master of Arts and Master of Science Degrees in Interdisciplinary Studies

The Master of Arts or Master of Science degree designation will be determined by the student's advisor according to the first field emphasis of the student's degree plan. Specific requirements for both degrees follow:

- A. A total of 36 semester hours of graduate work. No more than six semester hours of undergraduate courses approved for graduate credit may apply to this degree. A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved



- institutions. All transfer work is subject to approval by the student's advisor.
- B. From the alphabetical list below, the student must select 12 hours of course work in a first field and six in each of two other fields:

Allied Health Science  
 Art  
 Biology  
 Chemistry  
 Computer Science  
 Criminal Justice  
 Economics  
 English  
 English as a Second Language (ESL)  
 History  
 Journalism  
 Kinesiology  
 Mathematics  
 Music  
 Philosophy\*  
 Political Science  
 Psychology  
 Public Administration\*  
 Sociology  
 Speech Communication  
 Theatre

\* Second or Third Field Only

- C. Electives may be chosen from any field with the advisor's approval
- D. A minimum grade-point average of 3.0 in each of the three selected fields and a minimum grade-point average of 3.0 in all graduate work  
 No course with a grade below "C" may be applied toward this degree.
- E. No more than six semester credit hours in independent study courses  
 If English or history is chosen as the student's first field, no more than three semester hours of travel/study courses may be applied to the first field.
- F. Successful completion of a written, comprehensive examination over the fields of study shown in the degree plan, excluding electives  
 This examination will be administered and evaluated by the student's examination committee.

#### Examination Committee

The examination committee must have a minimum of three faculty members including the student's chief advisor, who chairs the committee and is a faculty member in the predominant field of the student's degree program, and one faculty member from each of the remaining two fields of that program.

#### Time Limitation

Degree requirements for graduate programs at UT Tyler must be completed within a six-year period. This includes graduate credit transferred from another institution.

## SCHOOL OF BUSINESS ADMINISTRATION

Jim L. Tarter, dean

The basic objective of the Master of Business Administration (MBA) degree program is to offer men and women an opportunity to develop leadership in an increasingly complex and dynamic business society by enlarging their knowledge, managerial skill, and perspective. The broad, integrated curriculum provides the student with an opportunity to gain understanding of the major facets of business operations. The program includes work in the theoretical foundations of business, quantitative controls, decision-making through the development of advanced functional skills, and the social and ethical environment of business. An opportunity is also provided for a limited degree of specialization.

The program is designed for graduates from recognized colleges of business as well as graduates in liberal arts, science, engineering, or other fields desiring to undertake professional studies in the area of business administration. Courses in the program are offered in the early evening.

### GRADUATE DEGREE STUDENT

In addition to the general requirements for admission to graduate study, the requirements to be a graduate degree student in business administration are the following:

- A. A satisfactory score on the Graduate Management Admissions Test (GMAT) and a satisfactory grade point average on all prior advanced level (junior, senior, and graduate) work taken

These two indicators of graduate potential, GMAT score and grade point average will be used to calculate an index number.

- B. Proficiency in the use of the English language

If a student's verbal score on the admission examination is below an acceptable minimum, the student must pass an English proficiency test during the first semester in the program. A foreign student must score a minimum of 550 on the Test of English as a Foreign Language (TOEFL) and have a minimum raw score of 50 on each of the three sections of the examination. Only the TOEFL examination given by the Educational Testing Service is acceptable. The student will be notified by the MBA advisor if he/she has or has not been accepted into the MBA program.

- C. No more than twelve semester credit hours of graduate credit earned prior to acceptance into the program, including transfer credit, may be applied to the MBA degree

Students seeking admission to the MBA program who have not yet satisfied admission criteria will be considered provisional. Provisional students must earn a grade of B or better in all work attempted. A provisional student who earns a grade of C or lower will be denied admission to the Program.

- D. After reviewing all credentials (official transcripts, GMAT score, other relevant information), the MBA coordinator will determine if the student may be accepted into the MBA program.

A degree plan will be prepared for the accepted student and signed by the student, the MBA coordinator and the dean. A letter from the dean will then be sent, notifying



official acceptance into the MBA program.

- E. Credit or the equivalent of the following subject areas: (All equivalent methods of satisfying subject area requirements must be approved by the MBA coordinator and the dean.)\*

Subject areas	Equivalents at UT Tyler	UT Tyler semester credit hours
**Economic Environment	ECON 5300	3
**Accounting	ACCT 5300	3
Statistics	GENB 3353	3
Business Law and Social Responsibility	GENB 3301	3
Information Systems Software	COSC 3309	3
Financial Management	FINA 3311	3
Organization Theory and Behavior	MANA 3311	
	or	
Management of Organizations	MANA 3315	3
Principles of Marketing	MARK 3311	3
Production and Operations Management	MANA 4305	3
Management Information Systems	MANA 3330 or ACCT 4391	3
		TOTAL 30

\*Additional courses may be required in certain circumstances.

\*\*Six semester credit hours are required in each area, economics and accounting, unless the student substitutes ECON 5300 for the economic environment, and ACCT 5300 for accounting.

The student must maintain a 3.0 grade point average (4.0 basis) on all graduate work at UT Tyler. Students will be dismissed from the MBA program if they accumulate grade deficiency points greater than three. Any grade of "C" is worth one deficiency point, any grade of "D" is worth two deficiency points, and any grade of "F" is worth three deficiency points. Deficiency points may not be removed by additional course work. Any course with a grade lower than "C" must be retaken earning a grade of "B" or better.

Although a student may not have completed all undergraduate work at the time of application, a decision will be made on the strength of the student's permanent record before the student can be enrolled as a graduate student in business.

Successful completion of MANA 5395, Strategy and Policy Formulation, will constitute satisfaction of the comprehensive examination requirement as required by university graduate policies.

## TRANSFER OF CREDIT

Subject to the approval of the MBA advisor and the dean of the School of Business Administration, a student may transfer no more than six hours of graduate credit earned at an approved institution. Graduate transfer credit over three years old at the time of admission may not be used to meet degree requirements. Credit earned from correspondence courses cannot transfer for graduate credit.

## MBA DEGREE REQUIREMENTS

The MBA degree may be earned under either of two plans outlined below:

		Non-Thesis Program (Sem. Hrs.)	Thesis Program (Sem. Hrs.)
GENB 5340	Business and Professional Ethics	3	3
ACCT 5320	Accounting for Management Control*	3	3
MANA 5315	Concepts in Management Science	3	3
FINA 5320	Advanced Financial Management**	3	3
MANA 5320	Human & Organization Behavior	3	3
MARK 5320	Current Trends in Marketing**	3	3
GENB 5321	Seminar in Technical Business Research	3	0
ECON 5320	Advanced Economic Analysis	3	3
MANA 5395	Strategy and Policy Formulation***	3	3
	Graduate Business Elective (advisor's approval)****	9	6
	Thesis	0	6
	TOTALS	36	36

\* For students with fewer than 15 hours of accounting. Students with 15 or more hours of accounting must take an elective graduate course in accounting approved by the advisor.

\*\*Students with 15 or more undergraduate semester hours in Finance or Marketing may not receive credit for the 5320 courses in those fields. These students must substitute another graduate course in the discipline to satisfy the requirement. These 5320 courses may not be taken as an elective by those who meet this criterion.

\*\*\*Satisfies the comprehensive examination requirement for the MBA program.

\*\*\*\*No more than six hours of approved undergraduate work taken for graduate credit may apply to this degree. ACCT 5320 may not be taken as an elective by students with 15 or more semester hours of accounting credits.

## INDUSTRY SPECIFIC PREPARATION

Students who wish to develop a specific foundation to pursue their desired career objective may in conjunction with, and the approval of the MBA coordinator, follow a modified program.

## THE COORDINATED MASTER OF SCIENCE IN NURSING AND MASTER OF BUSINESS ADMINISTRATION

This coordinated MSN-MBA degree option will prepare the nurse executive to ensure excellence in client care services, and also to impact the business environment in which nurses practice. This degree option incorporates content in management, economics, finance, and marketing into a framework for nursing service and health care administration. The coordinated degree can be completed in 74 semester credit hours, including prerequisite courses for both Business and Nursing.

Students enrolling for this coordinated degree option must meet the admission requirements listed elsewhere in this catalog for both Business and Nursing.

The degree requirements for the coordinated degree option are as follows:



**DEGREE REQUIREMENTS (MSN-MBA)**  
(Recommended sequence, including summer session)

<b>SEMESTER I</b>		
NURS 5312	Nursing Theory	3
MATH 5390	Special Topics in Mathematics (or equivalent)	3
GENB 3353	Statistics	
<b>or</b>		
MATH 3350	Statistical Methods in Research	3
		9 hrs.
<b>SEMESTER II</b>		
NURS 5310	Research Methods in Nursing	3
ECON 5300	Economic Concepts and Processes	3
ACCT 5300	Accounting Concepts and Procedures	3
		9 hrs.
<b>SEMESTER III</b>		
MARK 3311	Principles of Marketing	3
MANA 3330	Management Information Systems	3
		6 hrs.
<b>SEMESTER IV</b>		
MANA 4305	Production and Operations Management	3
FINA 3311	Financial Management	3
MARK 5370	Health Care Marketing	3
		9 hrs.
<b>SEMESTER V</b>		
NURS 5414	Assessment of Nursing Management	4
NURS 5324	Application of Computer Technology in Nursing	3
ACCT 5320	Accounting for Management Control	3
		10 hrs.
<b>SEMESTER VI</b>		
GENB 5340	Business and Professional Ethics	
<b>or</b>		
NURS 5308	Contemporary Nursing Ethics	3
NURS 5426	Implementation of Nursing Management	4
		7 hrs.
<b>SEMESTER VII</b>		
FINA 5320	Advanced Financial Management	3
MANA 5320	Human and Organization Behavior	3
NURS 5330	Evaluation of Nursing Management	3
		9 hrs.
<b>SEMESTER VIII</b>		
NURS 5320	Research Design	
<b>or</b>		
NURS 5322	Management Practicum in Professional Roles	3
ECON 5340	Economics of Public Policy	
MANA 5350	Seminar in Human Resources Management	3
		9 hrs.

**SEMESTER IX**

MANA 5395	Strategy and Policy Formulation	3
NURS 5395	Thesis	
<b>or</b>		
NURS 5334	Professional Paper	3
		6 hrs.
<b>TOTAL</b>		<b>74 hrs.</b>

NOTE: SEE DIVISION OF NURSING

## ACCOUNTING (ACCT)

**ACCT 5300****Accounting Concepts and Procedures**

Survey of accounting procedures, accumulation of information regarding the accounting entity, and interpretation for control purposes and managerial decisions. Students who have credit for six hours of principles of accounting may not receive credit for this course. Course fee required.

**ACCT 5310****Problems in Federal Income Taxation**

A broad overview of gross income, deductions, losses, and types of taxable entities. This course teaches students to recognize the important tax consequences of many common business transactions.

**ACCT 5320****Accounting for Management Control**

Use of accounting data in the decision-making process and in the analysis and control of business operations. Prerequisite: ACCT 5300 or six hours of principles of accounting. Students with 15 semester hours or more of accounting may not receive credit for this course. Course fee required.

**ACCT 5340****Seminar in Financial Accounting**

A study of financial accounting with emphasis on the development of reporting standards. A coverage of current theory and problems relative to financial statements. Prerequisite: Graduate standing and consent of instructor. Course fee required.

**ACCT 5350****Federal Income Tax Research**

Methodology of researching tax problems in the Internal Revenue Code, Treasury Regulations, IRS administrative procedures, and court cases.

**ACCT 5360****Advanced Problems in Accounting**

Accounting theory and practice relating to complex consolidation issues; financial reporting for segments; corporate liquidation and reorganization, estates, trusts, and SEC. May be taken for undergraduate credit. Prerequisite: ACCT 4320.

**ACCT 5365****Seminar in Managerial Accounting**

A study of accounting focusing on cost accumulation, cost allocation and systems design for management decision making purposes. Prerequisite: Graduate standing and consent of instructor. Course fee required.

**ACCT 5370****Special Topics in Accounting**

An exploration of current accounting topics that are not covered in other courses. Timely accounting issues are covered. May be repeated for credit when content changes. Prerequisite: Graduate standing and consent of instructor.

**ACCT 5385****Advanced Accounting Theory**

Investigation of elements of accounting theories and their implementation. Accounting policy, research and standard-setting are examined. May be taken for undergraduate credit. Prerequisite: ACCT 4385.



**ACCT 5099****Independent Study**

Independent study in specific areas of accounting not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied to a graduate degree. Independent study courses are available only to degree seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of MBA coordinator. Course fee required.

The following course may be taken for graduate credit with consent of advisor and department chair. ACCT 4385 Accounting Theory

## FINANCE (FINA)

**FINA 5310****Financial Institutions**

Characteristics of financial institutions, savings intermediation and its effects on the allocation of investment funds, and regulation of financial intermediaries. Course fee required.

**FINA 5320****Advanced Financial Management**

Financial management of the firm with special emphasis on financial planning, capital concepts. Prerequisite: FINA 3311 or equivalent. Course fee required.

**FINA 5330****Investment Portfolio Management**

A study of securities and the markets in which they are traded; an analysis of the risk-return tradeoff in examining investments; development of specific tools and techniques for selecting among securities that include: equities, fixed income vehicles, options/futures, real estate, and international securities; construction of portfolios

to meet specific investor objectives. Prerequisite: FINA 3311 or equivalent. Course fee required.

**FINA 5370****Special Topics in Finance**

An exploration of current finance topics that are not covered in other courses. May be repeated once for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor.

**FINA 5390****Financial Administration**

Case studies in the administration of the finance function and readings in financial analysis. Prerequisite: FINA 3311 or equivalent. Course fee required.

**FINA 5099****Independent Study**

Independent study in specific areas of finance not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied to a graduate degree. Independent study courses are available only to degree seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Graduate standing and consent of MBA coordinator. Course fee required.

## GENERAL BUSINESS (GENB)

**GENB 5321****Seminar in Technical Business Research**

The application of research techniques to business decision-making. Definition of problem, alternative selection, conclusion and recommendations. A formal report is required. Prerequisite: GENB 3353. Course fee required.

**GENB 5340****Business and Professional Ethics**

A study of ethical problems in business and the foundations for decisions involving ethical issues. Topics include ethical concepts, personal integrity, individual conscience and company loyalty and responsibility conflict, as they impact on the decision process in the functional areas of business. Course fee required.

**GENB 5390****Residency**

Practical field experience to meet the needs of practicing professionals. The focus of the course will reflect the student's career goals and current deficiencies. May be repeated once. Prerequisite: Completion of 30 semester hours of graduate credit in business.

**GENB 5396****Thesis**

Selection of a research topic and development of a thesis plan. Prerequisite: MANA 5395 or concurrent enrollment. Course fee required.

**GENB 5397****Thesis**

Completion and approval of thesis. Prerequisite: GENB 5396 or concurrent enrollment. Course fee required.

**GENB 5099****Independent Study**

Independent study in specific areas of business not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Independent study courses are available only to degree seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of MBA advisor. Course fee required.

## MANAGEMENT (MANA)

**MANA 5305****Concepts in Production and Operations Management**

Analysis of the production function from a managerial viewpoint. Conceptual foundations, analysis of major problems, and production processes are studied. Prerequisite: MANA 4305. Course fee required.

**MANA 5310****Organizational Management**

A study of the management process, behavioral and structural properties of organizations, and environmental influences surrounding organizations. May not be taken for graduate credit for candidates for the MBA degree. Course fee required.

**MANA 5315****Concepts in Management Science**

Quantitative techniques for decision making, linear and non-linear programming, Bayesian statistics, inferential statistics, and selected mathematical models with computer applications. Prerequisite: MANA 4305. Course fee required.



**MANA 5320****Human and Organizational Behavior**

Investigation of organizational structures and intergroup relations. Concepts in social psychology and other behavioral sciences are used to appraise organizational practices. Emphasis will be given to techniques of motivation, leadership and communications. Prerequisite: MANA 3311 or equivalent or consent of instructor. Course fee required.

**MANA 5335****Industrial and Labor Relations**

Development of a conceptual model of the industrial relations system and environment including the legal and economic factors influencing union recognition, contract negotiations, and agreement administration. Emphasis on federal labor legislation, strategy and tactics of bargaining, grievance processing, and arbitration. Prerequisite: MANA 3311. Course fee required.

**MANA 5350****Seminar in Human Resources Management**

Advanced study of selected topics in human resources management with special emphasis on issues of current importance in the field. Such issues as staffing, training, evaluating and compensating will not be covered. Prerequisite: MANA 3311. Course fee required.

**MANA 5380****Management Consulting**

The study and application of theoretical business models in a consulting environment. Students are assigned projects and/or cases for problem analysis, model formulation, and solution. Recommended action for management is provided as part of a final report. Course fee required.

**MANA 5390****Organizational Theory and Decision-making**

Study of decision-making techniques and the analysis of organizational structures. Analysis of managerial functions of planning, organizing, staffing and control. Prerequisite: MANA 3311 or equivalent. Course fee required.

**MANA 5395****Strategy and Policy Formulation**

Capstone course for The School of Business Administration covering all functional areas of the graduate business curriculum. Top management's view of the firm. Planning and implementation of policy, evaluation of strategy alternatives, utilization of appropriate controls, and the evaluation of the administrative process are emphasized. Prerequisite: May not be taken until the student has completed 27 hours of graduate work in business. Course fee required.

**MANA 5099****Independent Study**

Independent study in specific areas of management not covered by organized graduate courses. A maximum of six credit hours of independent study may be applied to a graduate degree. Independent study courses are available only to degree seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of MBA Coordinator. Course fee required.

**MARKETING (MARK)****MARK 5320****Current Trends in Marketing**

An analysis of contemporary problems in marketing with emphasis on dynamic market characteristics. Prerequisite: MARK 3311 or equivalent. Course fee required.

**MARK 5330****Marketing Communications**

Communication techniques and concepts applied to promotional decisions. Areas of emphasis include advertising, sales promotion, and personal selling. Prerequisite: MARK 3311 or equivalent. Course fee required.

**MARK 5370****Health Care Marketing in Contemporary Society**

A review and analysis of current trends in the health care field with a focus on managed care and the implications for business and marketing practitioners. Prerequisite: Marketing 3311 or prior consent of the MBA coordinator. Course fee required.

**MARK 5380****Market Research and Analysis**

Examination of approaches and methods of marketing research employed by marketing managers to solve marketing problems; emphasis on survey methodology and applications of statistical methods. Prerequisite: MARK 3311 and GENB 3353 or equivalents. Course fee required.

**MARK 5390****Administrative Marketing**

Emphasizes the organization's planning and decision-making practices as related to market measurement and forecasting, product development, promotion, pricing, and physical distribution. Prerequisite: MARK 3311 or equivalent. Course fee required.

**MARK 5099****Independent Study**

Independent study in specific areas of marketing not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied to a graduate degree. Independent study courses are available only to degree-seeking students. The student must request a faculty member to supervise the independent study, write a proposal and have it approved by the sponsoring faculty member and the department chair. The proposal and the final report become part of the student's permanent record. Prerequisite: Consent of MBA coordinator. Course fee required.

The following course may be taken for graduate credit with consent of MBA coordinator and department chairman: MARK 4300 Marketing for Health Care



## SCHOOL OF EDUCATION AND PSYCHOLOGY

J. Milford Clark, dean

The School of Education and Psychology offers graduate course work leading to completion of Master of Arts, Master of Science, and Master of Education degrees. Program options available within each degree are as follows:

### Master of Arts

Counseling Psychology  
Curriculum and Instruction  
Education  
Early Childhood  
Reading  
School Counseling  
Special Education

### Master of Science

Clinical Exercise Physiology  
Clinical Psychology  
Kinesiology  
Technology

### Master of Education

Curriculum and Instruction  
Early Childhood Education  
Educational Administration  
Health and Kinesiology  
Reading  
Special Education

## MASTER OF ARTS AND MASTER OF SCIENCE DEGREES IN INTERDISCIPLINARY STUDIES

The Master of Arts and the Master of Science degrees in interdisciplinary studies emphasize study in a wider range of fields than is normally possible in a program with a traditional major. The student's background and goals are considered in the design of the individual degree plan.

Within the School of Education and Psychology, allied health science, kinesiology, and psychology may be chosen as one of the three required disciplines. The Interdisciplinary Studies degree program is in the graduate section of this catalog.

## GRADUATE DEGREE STUDENT

All graduate students fulfilling degree requirements should obtain a copy of the Procedures for Graduate Studies from the Office of the Coordinator of Graduate Studies. In addition to general requirements for admission to graduate study, the prospective graduate degree student in the School of Education and Psychology must meet specific admission requirements of the selected program. Students with inadequate undergraduate preparation in a chosen program may be required to complete deficiencies.

## TRANSFER OF CREDIT

A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Transfer credit is subject to the approval of the student's advisor. Transfer credit cannot be approved unless an official transcript of all transfer work is on file in the Office of Admissions and Student Records.

## GENERAL DEGREE REQUIREMENTS

The following are the general procedures for fulfilling of degree requirements for Master of Arts, Master of Science, and Master of Education degrees. Specific academic requirements are described in program sections on subsequent pages of this catalog.

- A. Begin the process of admission to the program of choice by completing a program application form available in the Office of the Coordinator of Graduate Studies. Requirements for program admission will be those in effect at the time the application is submitted.
- B. Complete required semester credit hours of approved graduate work. Courses taken below the 5000 level for graduate credit must be selected from the university-approved list, designated as such in the course description published in this catalog, and approved by the program advisor prior to registration.
- C. Maintain a grade point average of at least 3.0 (on a 4.0 scale) in all courses applied toward the degree, and a grade point average of at least 3.0 in the academic major. No course with a grade below "C" may be applied toward fulfilling degree requirements.
- D. Complete requirements for comprehensive examinations administered each semester by the Coordinator of Graduate Studies or the program advisor. Applications for taking comprehensive examinations should be completed and returned to the Office of the Coordinator of Graduate Studies by October 1, February 1, or July 1 of the appropriate semester.
- E. Complete thesis requirements (if applicable) by following guidelines available in the Office of the Coordinator of Graduate Studies.
- F. File for graduation prior to the published deadline by completing the evaluation form available in the Office of the Coordinator of Graduate Studies. Obtain signatures, pay graduation fee and file the form in the Office of Admissions and Student Records.



## CERTIFICATES AND ENDORSEMENTS

The following certificates and endorsements are available through various departments within the university:

### CERTIFICATES

**EDUCATIONAL DIAGNOSTICIAN CERTIFICATE.** Certification as an educational diagnostician is available to those who hold a master's degree, have a valid Texas teacher certificate, have completed the specified course sequence, have three years of successful teaching experience, and have received passing scores on Educational Diagnostician ExCET (#61). Details are available in the Special Education section.

**ELEMENTARY PROFESSIONAL CERTIFICATE.** Certification is available to persons who hold a valid Texas provisional teaching certificate, have three years of successful teaching experience, and have completed the appropriate course sequence. Details are available in the Curriculum and Instruction section.

**GENERIC SPECIAL EDUCATION CERTIFICATE.** Certification as a generic special educator is available to those who hold a valid elementary or secondary Texas teacher certificate, have successfully completed the specified course sequence, and have received passing scores on the Generic Special Education ExCET (#11). Details are available in the Special Education section.

**PROFESSIONAL COUNSELOR CERTIFICATE.** Certification as a professional counselor is available to those who hold a valid Texas teacher certificate, have successfully completed the specified course sequence, have three years of successful teaching experience, and have received passing scores on the Counselor ExCET (#60). Details are available in the Psychology section.

**PROFESSIONAL MID-MANAGEMENT ADMINISTRATOR CERTIFICATE.** Certification as a mid-management administrator is available to those who hold a master's degree, have a valid Texas teacher certificate, have successfully completed the specified course sequence, have two years of successful teaching experience, and have received passing scores on the Mid-Management ExCET (#63). Details are available in the Educational Administration section.

**PROFESSIONAL SUPERVISOR CERTIFICATE.** Certification as a professional supervisor is available to those who hold a valid Texas teacher certificate, have successfully completed the specified course sequence, have three years of successful teaching experience, and have received passing scores on the Supervisor ExCET (#62). Details are available in the Educational Administration section.

**PROFESSIONAL VOCATIONAL COUNSELOR CERTIFICATE.** Certification as a professional vocational counselor is available to those who hold a valid professional counselor certificate and Texas teacher certificate, have a combination of three years experience, have successfully completed the specified course sequence, and have received passing scores on to Professional Vocational Counselor ExCET (#60). Details are available in the Department of Technology.

**PROFESSIONAL VOCATIONAL SUPERVISOR CERTIFICATE.** Certification as a professional vocational supervisor is available to those who hold a valid Texas teacher certificate, have a combination of three years experience, have successfully completed the specified course sequence, and have received passing scores on the Professional Vocational Supervisor ExCET (#62). Details are available in the Department of Technology.

**READING SPECIALIST (K-12) CERTIFICATE.** Certification as a Reading Specialist is available to those who hold a master's degree, have a valid Texas teacher certificate, have successfully completed the appropriate course sequence, have three years of successful teaching experience, and have received passing scores on the Reading Specialist ExCET (#59). Details are available in the Reading section.

**SECONDARY PROFESSIONAL CERTIFICATE.** This certification is available to persons holding a valid Texas provisional teaching certificate who have three years of successful teaching experience and have successfully completed the appropriate course sequence. Details are available in the Curriculum and Instruction section.

**SUPERINTENDENT CERTIFICATE.** Certification as a superintendent is available to persons who hold a master's degree, a valid Texas professional mid-management administrator certificate, have successfully completed the appropriate course sequence, and have received passing scores on the Superintendent ExCET (#64). Details are available in the Educational Administration section.

### ENDORSEMENTS

**DRIVER EDUCATION ENDORSEMENT.** This endorsement can be added to a valid Texas teacher certificate upon successful completion of the specified course sequence. Details are available in the Technology section.

**EARLY CHILDHOOD ENDORSEMENT.** This endorsement (formerly kindergarten) can be added to other valid Texas teacher certificates upon successful completion of the specified course sequence and passing scores on the Early Childhood ExCET (#14). Details are available in the Early Childhood Education section.

**EARLY CHILDHOOD-HANDICAPPED ENDORSEMENT.** This endorsement can be added to a valid elementary, early childhood, special education, or vocational home economics (which requires a bachelor's degree) Texas certificate, upon successful completion of the course sequence and passing scores on the Early Childhood ExCET (#14). Details are available in the Special Education section.

**ENGLISH AS A SECOND LANGUAGE ENDORSEMENT.** This endorsement can be added to a valid Texas teacher certificate upon successful completion of the specified course sequence, a successful student teaching experience in an approved ESL program or one year of successful classroom teaching experience on a permit in an approved ESL or bilingual education program, and passing scores on the English as a second language ExCET (#12). Details are available in the Department of Humanities section.

**GIFTED AND TALENTED ENDORSEMENT.** This endorsement can be added to a valid Texas teacher certificate upon successful completion of the specified course sequence. Details are available in the Special Education section.



**INFORMATION PROCESSING TECHNOLOGIES ENDORSEMENT.** This endorsement can be added to a valid elementary, secondary, or all-level Texas teacher certificate upon successful completion of the specified course sequence, and passing scores on the Information Processing Technologies ExCET (#41). Details are available in the Curriculum and Instruction section.

**SERIOUSLY EMOTIONALLY DISTURBED AND AUTISTIC ENDORSEMENT.** This endorsement can be added to a valid elementary, secondary, and all-level Texas teacher certificate upon successful completion of the specified course sequence and passing scores on the Seriously Emotionally Disturbed and Autistic ExCET (#38). Details are available in the Special Education section.

## CURRICULUM AND INSTRUCTION

These programs are designed to offer teachers an opportunity to become proficient in implementing the latest strategies for effective learning. Opportunities and instruction are provided at all levels as student needs dictate. The program will involve analysis of current literature and findings will be applied.

## CERTIFICATES

### Elementary Professional Certificate

This certificate can be earned by a person who holds a valid provisional teaching certificate, has three years of teaching experience and completes at least 30 semester hours of graduate-level courses beyond the bachelor's degree in an approved graduate teacher education program. Twelve (12) of the 30 semester hours must be in one teaching specialization or in a combination of teaching specializations in which the individual has at least 18 semester hours in an approved undergraduate program for elementary teachers.

Approved teaching specializations are biology, English, history, and reading. Unless the student has credit for a multicultural studies course, either SOCI 5321 or SPCH 5340 must be taken. Course work will be planned with faculty advisement.

The remaining 15-18 semester hours must be completed in an approved program of professional development designed to improve teaching proficiency. Programs are approved through the chair of the Department of Curriculum and Instruction. This certificate can be completed through a master's program.

### Secondary Professional Certificate

This certificate can be earned by a person who holds a valid provisional teaching certificate, has three years of teaching experience and completes at least 30 semester hours of graduate level courses beyond the bachelor's degree in an approved graduate teacher education program. Twelve (12) of the 30 semester hours must be in one teaching specialization or in a combination of teaching specializations in which the individual has at least 24 semesters hours in an approved undergraduate program for secondary teachers.

Approved teaching specializations are biology, English, history, and mathematics. Unless the student has credit for a multicultural studies course, either SOCI 5321 or SPCH 5340 must be taken. Course work will be planned with faculty advisement.

The remaining 15-18 semester hours must be completed in an approved program of professional development designed to improve teaching proficiency. Programs are approved through the chair of the Department of Curriculum and Instruction. This program can be completed through a master's program.

### Information Processing Technologies

Information Processing Technologies endorsements maybe added to elementary, secondary, and all-level teaching certificates.

The Information Processing Technologies Level I endorsement requires 9 semester hours of course work, while the Level II endorsement requires 15 semester hours of course work.

The following courses are required for a Level I endorsement.

COSC 5306 Personal Computing  
EDUC 5309 Educational Applications of Microcomputers  
EDUC 5339 A Survey of Teacher Utility Software

The following courses are required for a Level II endorsement

COSC 3302 Structured Programming Applications  
COSC 5306 Personal Computing  
COSC 5314 Computer Assisted Instruction  
EDUC 5309 Educational Applications of Microcomputers  
EDUC 5339 A Survey of Teacher Utility Software

## GRADUATE DEGREES

### Admission Requirement

Admission to graduate degree programs in the Department of Curriculum and Instruction requires satisfactory scores on either the Miller Analogies Test (MAT) or the Graduate Record Examination (GRE), and a satisfactory grade point average for the last 60 hours of undergraduate studies. Applications for program admission are available in the Office of Graduate Studies, School of Education and Psychology, and should be completed and returned with all required data during the student's first nine hours of graduate enrollment.

### Master of Arts

6 hrs.

foundations area:

EDUC 5301 Research Methods for the Behavioral Sciences  
EDUC 5305 Overview of Graduate Study in Education

Curriculum and Instruction area:

15 hrs.

EDUC 5352 Curriculum Development: Early Childhood  
-Adult Education

twelve additional semester hours in Curriculum and Instruction selected with advisor approval

support area:

9 hrs.

Nine semester hours are required. A minimum of six must be completed in courses outside the major area. All courses must be approved by the student's advisor

thesis:

6 hrs.

EDUC 5395 Thesis  
EDUC 5396 Thesis

TOTAL 36 hrs.



**Master of Education**

6 hrs.

## foundations area:

EDUC 5301 Research Methods for the Behavioral Sciences  
EDUC 5305 Overview of Graduate Study in Education

## Curriculum and Instruction area:

18 hrs.

EDUC 5302 Research Project in Curriculum and Instruction  
EDUC 5352 Curriculum Development: Early Childhood  
-Adult Education

twelve additional semester hours in Curriculum and Instruction selected  
with advisor approval

## support area:

12 hrs.

Twelve semester hours are required in the support area. A minimum  
of six must be completed in courses outside the major area. All  
courses must be approved by the student's advisor.

TOTAL 36 hrs.

**EARLY CHILDHOOD EDUCATION**

This major is designed to provide an opportunity for training and experience in child development, curriculum design, and instructional resources relevant to early childhood programs with children ages birth through eight. Students in the program have opportunities to make practical application of content and to develop skills in identifying and prescribing for the needs of young children. Opportunities are provided for students to develop leadership skills as needs dictate.

**Endorsement**

The early childhood endorsement can be added to the provisional certificate in elementary education, vocational home economics, and all-level art, music, or health and physical education. The endorsement requires 12 semester hours in early childhood education. The following courses are required: EDEC 5340, EDEC 5348, and EDEC 5352. An individual who has taught full time under contract in a kindergarten program for one year may substitute an additional course in early childhood education for EDEC 5352 Graduate Practicum in the Kindergarten.

**GRADUATE DEGREES****Admission Requirements**

Admission to graduate degree programs in the Department of Curriculum and Instruction requires satisfactory scores on either the Miller Analogies Test (MAT) or the Graduate Record Examination (GRE), and a satisfactory average for the last 60 hours of undergraduate studies. Applications for program admission are available in the Office of Graduate Studies, School of Education and Psychology, and should be completed and returned with all required data during the student's first nine hours of graduate enrollment.

**Master of Arts**

6 hrs.

## foundations area:

EDUC 5301 Research Methods for the Behavioral Sciences  
EDUC 5305 Overview of Graduate Study in Education

## early childhood education area:

15 hrs.

EDEC 5340 Seminar in Early Childhood Education or approved  
EDEC 5342 Development of the Young Child  
nine additional hours in Early Childhood selected with advisor approval

## support area:

9 hrs.

Six semester hours must be completed outside the major area.

## thesis:

6 hrs.

EDEC 5395 Thesis  
EDEC 5396 Thesis

TOTAL 36 hrs.

**Master of Education**

## foundations area:

6 hrs.

EDUC 5301 Research Methods for the Behavioral Sciences  
EDUC 5305 Overview of Graduate Study in Education

## early childhood education area:

18 hrs.

EDUC 5302 Research Project in Early Childhood Education  
EDEC 5340 Seminar in Early Childhood Education or approved  
EDEC 5342 Development of the Young Child  
nine additional hours in Early Childhood Education selected with  
advisor approval.

## support area:

12 hrs.

A minimum of six semester hours must be completed outside the major area.  
All courses must be approved by the student's advisor.

TOTAL 36 hrs.



## COURSE DESCRIPTIONS

### EARLY CHILDHOOD EDUCATION (EDEC)

#### EDEC 5100, 5200, 5300 Inservice Workshop

This course is designed to provide the opportunity for groups of teachers to study specific educational problems in the early childhood area. Up to six semester hours of credit in inservice workshops may be used for degree requirements with the prior approval of the student's advisor. Course fee required for EDEC 5300.

#### EDEC 5302 Research Project in Early Childhood Education

Continuation of EDUC 5301. The student will complete an approved project under the direction of the instructor and student's advisor. Prerequisite: EDUC 5301.

#### EDEC 5310 Integrating Nutrition Concepts Into the Curriculum

The selection and teaching of appropriate nutrition concepts to young children. Course fee required.

#### EDEC 5325 Analysis and Application of Learning in Early Childhood Education

A comprehensive analysis of the developmental factors that influence learning in the early years of life. Also a study of basic principles of learning and motivation and their application to the education of young children. Course fee required.

#### EDEC 5327 Contemporary Issues in Early Childhood Programs and Practices

Investigation of current major issues related to young children. Emphasis will be on social, legal and criminal conditions which affect child rearing practices and educational programs for children. Prerequisite: Consent of advisor. Course fee required.

#### EDEC 5332 The Care of Infants and Toddlers

Observing and recording behavior and development during the first three years of life. Application of multidisciplinary theories of development to enhance age-appropriate experiences within home and institutional settings. Analysis of current research.

#### EDEC 5335 Developmental Language Experiences for Young Children

A study of the developmental processes by which children attain language. The use of techniques and materials to promote communication skills from birth through eight years. Course fee required.

#### EDEC 5337 Creative Activities for the Young Child

Use of art, role playing, music, and play media to develop the affective, cognitive, and psychomotor skills of children two through eight years of age. Course fee required.

**EDEC 5340  
Seminar in Early Childhood Education**  
Techniques for encouraging the continuous growth and development of young children through the use of methods, materials, and activities. Students have the opportunity to study current problems and issues as well as to evaluate critically research in early childhood education. Required for all graduate kindergarten endorsement and Early Childhood Master's Degree students. Course fee required.

**EDEC 5342  
Development of the Young Child**  
Use of various methods of studying children with application of established principles to the solution of problems of behavior and learning. Course fee required.

**EDEC 5345  
Social Experiences  
in Early Childhood Education**  
Function of early childhood education in providing for the social/emotional development of the young child. Special attention will be on inter- and intra-personal functions of personality development. Course fee required.

**EDEC 5347  
Educational Resources  
for Young Children**  
Criteria for the selection of and skills in the utilization, production, and management of educational resources for young children. Course fee required.

**EDEC 5348  
Curriculum Development  
in Early Childhood**  
In-depth study of basic principles underlying curriculum construction in early childhood. Emphasis will be on the selection and organization of activities and materials for use with young children. Course fee required.

**EDEC 5349  
Instructional Improvement  
in Early Childhood Education**  
Innovative strategies and materials specifically related to meeting the individual learning needs of children three years of age through third grade in science, mathematics, and the social sciences. Prerequisite: EDEC 5348 or consent of instructor. Course fee required.

**EDEC 5352  
Practicum in the Kindergarten**  
Supervised teaching in the kindergarten. Includes observing, planning, conducting and evaluating learning experiences for young children. Prerequisite: Nine semester hours in Early Childhood Education and consent of advisor.

**EDEC 5395  
Thesis**  
Selection of a research topic and development of a thesis plan. Prerequisite: Fifteen graduate hours.

**EDEC 5396  
Thesis**  
Completion and approval of thesis. Prerequisite: EDEC 5396 or concurrent enrollment.

**EDEC 5630  
Comparative International  
Early Childhood**  
Provides the student with opportunities to visit and compare early childhood educational programs in a variety of international settings. Pre-trip classroom experiences enhance the travel experience. Course fee required.

**EDEC 5099  
Independent Study**  
Independent study in specific areas of early childhood education not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.



## EDUCATION (EDUC)

### EDUC 5200 & 5300 Inservice Workshop

This course is designed to provide instruction for groups of teachers who wish to study specific educational problems in the education area. Up to six semester hours of credit in inservice workshops may be used for degree requirements with the prior approval of the student's advisor. Course fee required for EDUC 5300.

### EDUC 5301 Research Methods for the Behavioral Sciences

Study of basic research techniques and methodologies in behavioral sciences. Course fee required.

### EDUC 5302 Research Project in Curriculum and Instruction

Continuation of EDUC 5301. The student will complete an approved project under the direction of the advisor. Prerequisite: Formal admission to graduate program and EDUC 5301.

### EDUC 5303 Applied Learning Theories

Emphasis on understanding and analyzing contemporary learning theories and their application to educational situations. Prerequisite: At least three semester hours of undergraduate educational psychology. Course fee required.

### EDUC 5304 Environmental Education

This course is designed to familiarize teachers with a variety of environmental issues. Emphasis will be placed on water quality, solid waste treatment and disposal, and air quality and on integrating these topics into the K-12 curriculum.

### EDUC 5305 Overview of Graduate Study in Education

Basic concepts of goal-referenced instruction, diagnosis, evaluation, understanding learners, and applying psychological principles in classrooms. (May not be applied toward a master's degree by students who have earned credit in EDUC 3300, EPSY 3330, EPSY 3350, and ELED 4310 or SSED 4320. Course fee required.

### EDUC 5308 Current Issues in Education

Investigation of current issues which are facing the educational scene. Becoming aware of the new philosophical trends which are more obvious in both public schools and colleges, attitude and attitude change which affect the structure of the modern student and, of necessity, modify the curriculum and physical plant of the schools. Criticism, conflict, and change will relate to the social, political, legal, technical, and operational dimensions as they revolve about the educational community. Course fee required.

### EDUC 5309 Educational Applications of Microcomputers

Concentrates on classroom applications of microcomputer technology. Participants, will be given the opportunity to have "hands-on" experience on microcomputer in ways that relate directly to potential classroom use. Designed for teachers and administrators (K-12) with little or no computer background. Extended computer user fee required.

### EDUC 5310 Educational Media

Examination of educational technology in its application to the instructional process. Emphasis will be placed on assisting classroom teachers in the selection, development, and utilization of appropriate instructional equipment and material. Extended computer access fee required.

**EDUC 5311  
Fundamentals of Clinical Supervision**  
Introduction to the theory, knowledge, and practices involved in supervision.

### EDUC 5312 Aerospace Education

This course is designed to provide teachers with the opportunity to learn how to make the subject of flight, both within and outside of the earth's atmosphere, relevant to the classroom at all grade levels. Emphasis is placed on the planning of classroom activities, and includes the acquisition of appropriate materials, films, and literature from both government and private sources. Course fee required.

### EDUC 5320 Telecommunications Applications in Education

Using the educational telecommunications resources of the Texas Education Network (TENET) and other on-line services to enhance classroom instruction and learning. Prerequisite: Proficiency in computer skills, off-campus access to a microcomputer with modem, and eligibility for a TENET account.

**EDUC 5328  
Instructional Leadership Training**  
Addresses the topics of lesson design, effective teaching practices and developmental supervision in accordance with the TEA requirements for the instructional leadership training and mid-management certification. Course fee required.

**EDUC 5329  
Teaching With Logo**  
Introduction to classroom applications of Logo. Emphasizes "hands-on" experiences with microcomputers with particular attention to Logo based learning activities grades K-12. Educational theory behind Logo also will be examined. Computer user fee required.

### EDUC 5330 Classroom Organization Skills for First Year Teachers

Skill improvement for establishing and maintaining effectively organized and managed classrooms during the first year of teaching. Course fee required.

**EDUC 5335  
Approaches to Classroom  
Management and Discipline Study of managerial dimensions of teaching. Skill development in management, discipline and communication. Course fee required.**

**EDUC 5339  
A Survey of Teacher Utility Software**  
A course designed to help all levels of educators become informed, adept users of productivity tools currently available. Many classifications of microcomputer teacher tools are examined, including data base, spreadsheet, word processor, desktop publishing, electronic grade books, test generators, graphics design, and statistics. Prerequisite: EDUC 5309 or consent of instructor. Computer user fee required.

**EDUC 5340  
Instructional Improvements  
in Secondary School English  
and Language Arts**  
Emphasis on updating instructional abilities in secondary English and language arts including diagnosis, alternative teaching strategies and evaluation. Prerequisite: Secondary teaching experience in language arts. Course fee required.

**EDUC 5341  
Instructional Improvement  
in Secondary School Social Studies**  
Emphasis on updating instructional abilities in secondary social studies including diagnosis, alternative teaching strategies, and evaluation. Prerequisite: Secondary teaching experience in social studies. Course fee required.



**EDUC 5342****Instructional Improvement  
In Secondary School Mathematics**

Emphasis on updating instructional abilities in secondary mathematics including diagnosis, alternative teaching strategies, and evaluation. Prerequisite: Secondary teaching experience in mathematics. Course fee required.

**EDUC 5347****Instructional Improvement  
In Elementary School Social Studies**

Emphasis on updating instructional abilities in elementary social studies including diagnosis, alternative teaching strategies, and evaluation. Prerequisite: Elementary teaching experience. Course fee required.

**EDUC 5348****Instructional Improvement  
In Elementary School Mathematics**

Emphasis on updating instructional abilities in elementary mathematics including diagnosis, alternative teaching strategies, and evaluation. Prerequisite: Elementary teaching experience. Course fee required.

**EDUC 5349****Instructional Improvement  
In Elementary School Science**

Emphasis on updating instructional abilities in elementary science. Process teaching approaches will be emphasized. Prerequisite: Elementary teaching experience. Course fee required.

**EDUC 5350****Teaching in the Middle School**

Survey of the role of the middle schools in current educational practice. Emphasis on the unique characteristics of the emerging adolescent. Course fee required.

**EDUC 5351****Assessment in Educational Settings**

Analysis and application of elements of pre- and post-assessment in educational settings including learning products and processes, learning environments and instructional decisions. Prerequisite: Consent of advisor. Course fee required.

**EDUC 5352****Curriculum Development:  
Early Childhood-Adult Education**

Practical problems in developing courses of study and curricula for instructional programs according to the scientific process, sound educational theory, philosophy and goals. Prerequisite: EDUC 5305. Course fee required.

**EDUC 5355****Analysis of Instructional Strategies**

Analysis of organizational patterns and teaching strategies in terms of philosophical and psychological bases. Special emphasis will be on strategies in individualizing instruction. Prerequisite: EDUC 5305 or consent of instructor. Course fee required.

**EDUC 5358****Human Relations in the Classroom**

Practical applications of human relations and interpersonal communications in the classroom. Includes consideration of how to deal with discipline problems, using groups more effectively in teaching, and effective decision-making in the classroom setting. Course fee required.

**EDUC 5359****Educational Technology**

Examines ways in which the newer electronic technologies: microcomputers, laser video discs, robotics, telecommunications, CD-ROM, multimedia, etc. can be used to enhance teaching and learning in educational settings. Extended computer access fee required.

**EDUC 5360****Teaching Writing Across the Curriculum**

A course designed to prepare upper elementary, middle, and high school teachers to integrate process-based writing into their subject area curriculum as tools for more effective content-related learning and general writing improvement. Course fee required.

**EDUC 5370****Historical and Philosophical  
Foundations of American Education**

A survey of major historical and philosophical eras and themes which have influenced American education. Major educational contributions of other civilizations will be examined as they pertain to the development of American educational thought. Course fee required.

**EDUC 5379****Practicum in English  
as a Second Language**

Experience for prospective teachers to demonstrate identified competencies in the classroom. Prerequisite: nine semester hours of ESL course work or consent of advisor.

**EDUC 5395****Thesis**

Selection of a research topic and development of a thesis plan. Prerequisite: Fifteen graduate hours.

**EDUC 5396****Thesis**

Completion and approval of thesis. Prerequisite: EDUC 5395 or concurrent enrollment.

**EDUC 5630****Comparative International Education**

Provides the student with opportunities to visit and compare educational programs in a experience.

**EDUC 5099****Independent Study**

Independent study in specific areas of education not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

**INTERNSHIP  
(EDIN)****EDIN 5380 / EDIN 5381****Internship in Student Teaching  
in Elementary School**

Provides the intern teacher with and opportunity to demonstrate identified competencies in an elementary classroom. The intern will be under the supervision of a mentor teacher and university faculty member with scheduled seminars. Cardiopulmonary resuscitation (CPR) training is required.

**EDIN 5390 / EDIN 5391****Internship in Student Teaching  
in Secondary School**

Provides the intern teacher with and opportunity to demonstrate identified competencies in a secondary classroom. The intern will be under the supervision of a mentor teacher and university faculty member with scheduled seminars. Cardiopulmonary resuscitation (CPR) training is required.



## HEALTH AND KINESIOLOGY

The Department of Health and Kinesiology offers three graduate degrees related to health professions and kinesiology: Master of Education in health and kinesiology, Master of Science in clinical exercise physiology, and Master of Science in kinesiology. Objectives of each of these degree programs and departmental admission and curriculum requirements are described below. Allied health science and kinesiology are also optional fields in the Master of Arts/Master of Science degree program in interdisciplinary studies. The Graduate Policies and Programs section of this catalog presents information and University requirements related to graduate studies in general, and information specifically related to the Master of Arts/Master of Science degree in interdisciplinary studies.

### Master of Education Degree in Health and Kinesiology

The Master of Education degree in health and kinesiology is intended for students who plan to enter or continue careers in education in an area related to health or kinesiology. The program requires satisfactory completion of 36 semester hours of courses and a comprehensive examination. The curriculum consists of 15 hours of foundation courses and 21 hours of elective courses consistent with career objectives and selected with advisor approval.

#### Admission Requirements

Admission to this degree program is contingent upon favorable review by the faculty of the Department of Health and Kinesiology. This review involves the applicant's stated professional goals, letters of recommendation, and prior course work and grade point average. Admission requires either (a) a bachelor's degree in health or kinesiology or (b) teaching or other certification in the area of specialization. Inquiries and application materials should be addressed to the M.Ed. Program Coordinator in care of the Department of Health and Kinesiology.

#### Curriculum

##### Foundation Courses (15 semester hours)

- ALHS 5370 Ethics in Health Professions
- EDAD 5320 School Law
- EDUC 5301 Research Methods for the Behavioral Sciences
- EDUC 5352 Curriculum Development: Early Childhood-Adult Education
- HECC 5391 Practicum in Health and Kinesiology

##### Electives (21 semester hours)

With advisor approval the student elects 21 semester hours of courses consistent with career objectives. These should normally be from the general areas of education, health, or kinesiology.

### Master of Science Degree in Clinical Exercise Physiology

The Master of Science degree in clinical exercise physiology is a two-year, 57-semester-hour program designed to develop competency in (a) exercise evaluation, (b) exercise prescription, (c) implementation and administration of preventive and rehabilitative exercise programs, and (d) understanding and conducting research. The program is conducted in classroom and laboratory settings at The University of Texas at Tyler, The University of Texas Health Center at Tyler, and other clinical facilities. The program provides a thorough theoretical base and extensive applied experience for the person who intends to pursue a career related to exercise in a clinical setting.

#### Admission Requirements

It is recommended that students begin the clinical exercise physiology degree program in the fall semester. Admission is contingent upon favorable review by the faculty of the Department of Health and Kinesiology. This review involves the applicant's stated professional goals, letters of recommendation, and prior course work and grade point average. Successfully completed courses in anatomy and physiology, chemistry and other laboratory sciences, mathematics, biomechanics, motor control, motor learning, and computer science are typically excellent preparation for the clinical exercise physiology curriculum. Letters of inquiry or application for admission should be addressed to the Clinical Exercise Physiology Program Coordinator in care of the Department of Health and Kinesiology.

#### Curriculum

##### Fall I (12 semester hours)

- CEPH 5223 Cardiorespiratory Exercise Physiology
- CEPH 5123 Cardiorespiratory Exercise Physiology Laboratory
- CEPH 5315 Reduction, Analysis and Interpretation of Data
- CEPH 5354 Program Management
- KINE 5216 Exercise Metabolism
- KINE 5116 Exercise Metabolism Laboratory

##### Spring I (12 semester hours)

- ALHS 5322 Nutrition, Health, and Disease
- CEPH 5313 Diagnostic Tests and Exercise Prescription
- HECC 5303 Research Design
- KINE 5304 Psycho-Social Interactions with Exercise

##### Summer I (9 semester hours)

- ALHS 5370 Ethics in Health Professions
- HECC 5391 Practicum in Health and Kinesiology
- HECC 5376 Research Seminar



**Fall II** (9 semester hours)

- ALHS 5367 Educational Interventions for Life-style Change
- CEPH 5221 Neuromuscular Exercise Physiology
- CEPH 5121 Neuromuscular Exercise Physiology Laboratory
- KINE 5314 Rehabilitative Exercise for Special Populations

**Spring II** (9 semester hours)

- HECC 5317 Biometric Methods
- HECC 5395 Thesis I
- KINE 5315 Exercise Physiology II

**Summer II** (6 semester hours)

- HECC 5392 Practicum in Health and Kinesiology
- HECC 5396 Thesis II

## Master of Science Degree in Kinesiology

The Master of Science degree in kinesiology is a 45-semester-hour course of study designed for students interested in the scientific aspects of exercise and sport. The program provides preparation for a broad range of careers in exercise-related settings or foundation for subsequent doctoral study in an exercise science. The curriculum includes (a) a core of foundation courses that provide exposure to the various exercise sciences, (b) practicum options in either applied or experimental laboratory settings, (c) research experiences, including a thesis, and (d) elective hours that may be used to emphasize one area of exercise science.

### Admission Requirements

Admission to this degree program is contingent upon favorable review by the faculty of the Department of Health and Kinesiology. This review involves the applicant's stated professional goals, letters of recommendation, prior course work and grade point average, and GRE scores. Successfully completed courses in anatomy and physiology, chemistry and other laboratory sciences, mathematics, biomechanics, engineering, motor control, motor learning, and computer science are typically excellent preparation for the kinesiology curriculum. Prospective students should have a science background appropriate for the anticipated area of elective emphasis. A student judged to have a deficient science background may be admitted to the program contingent upon the completion of course work designated by the academic advisor. Inquiries and application materials should be addressed to the M.S. Kinesiology Degree Program Coordinator in care of the Department of Health and Kinesiology.

### Curriculum

**Foundation Courses** (21 semester hours)

- ALHS 5370 Ethics in Health Professions
- CEPH 5315 Reduction, Analysis and Interpretation of Data
- HECC 5303 Research Design
- KINE 5305 Motor Development
- KINE 5309 Advanced Motor Control

KINE 5313 Exercise Physiology I

KINE 5335 Biomechanics I

**Practicum and Thesis** (12 semester hours)

- HECC 5391 Practicum in Health and Kinesiology
- HECC 5392 Practicum in Health and Kinesiology
- HECC 5395 Thesis I
- HECC 5396 Thesis II

**Electives** (12 semester hours of elective courses selected with advisor approval.)

Total number of semester hours for M.S. degree in kinesiology: 45.

## Master of Arts or Master of Science Degree in Interdisciplinary Studies

The Master of Arts and Master of Science degree programs in interdisciplinary studies are described in the Graduate Policies and Programs section of this catalog. Allied health science or kinesiology may be either the first field of emphasis (minimum of 12 semester hours) or one of the secondary fields (minimum of six hours) in these degree programs.

## COURSE DESCRIPTIONS

### ALLIED HEALTH SCIENCE (ALHS)

**ALHS 5303****Advanced Topics  
in Allied Health Science**

Study of selected topics of interest to allied health professionals. May be repeated once for credit when content changes. Course fee required.

**ALHS 5314****Exercise and the Aging Process**

Study of changes in functional capacities and responses to acute and chronic exercise with aging, and effects of chronic exercise on factors associated with aging. Course fee required.

**ALHS 5320****The U.S. Health Systems Origins  
and Functions**

Study of how, where and how often individu-

als obtain health care, methods of payment for health care, and attitudes about treatment. Course fee required.

**ALHS 5322****Nutrition, Health, and Disease**

Study of basic nutrients, diets across the life cycle, and therapeutic diets for selected disease states. Course fee required.

**ALHS 5343****Community Health Assessment**

Study of the health of communities and patterns of disease occurrence through epidemiologic description for formulation of community diagnoses. Course fee required.

**ALHS 5347****Epidemiology and Health Care Planning**

Study of the application of epidemiologic findings to the planning of health services, with emphasis on constructing a rational basis for setting priorities and allocating health resources. Course fee required.



**ALHS 5350  
Public Health Administration  
and Practice**

Study of the science and art of preventing disease, prolonging life, and promoting health through organized community efforts. Emphasis is on the relationship between the political/governmental function and the service/regulatory function of health delivery. Course fee required.

**ALHS 5362  
Community Education**

Study of educational interventions for promoting health of communities. Course fee required.

**ALHS 5365  
Behavior Modification  
for Life-Style Change**

Application of the principles of conditioning to changing behaviors which may affect health. Course fee required.

**ALHS 5366  
Education Methods**

Study of the process of developing health-related messages. Course fee required.

**ALHS 5367  
Educational Interventions  
for Life-Style Changes**

Study of educational interventions related to promotion of health of individuals: theoretical aspects of program development, materials, and presentation. Course fee required.

**ALHS 5370  
Ethics in Health Professions**

Study of ethical considerations encountered in health professions, including development and evaluation of ethical viewpoints based on theory and fundamental principles. Course fee required.

The following courses may be taken for graduate credit with consent of advisor:

- ALHS 4301 Allied Health Sciences Seminar
- ALHS 4328 Sexually Transmitted Diseases

**CLINICAL EXERCISE  
PHYSIOLOGY  
PROGRAM  
(CEPH)****CEPH 5313  
Diagnostic Tests  
and Exercise Prescription**

Study of (1) techniques used in diagnosis and evaluation of functional capacity, with particular reference to cardiopulmonary status (major emphasis is given to graded exercise testing and electrocardiography), and (2) principles and procedures of exercise prescription. Guidelines of American College of Sports Medicine are studied. Course fee required.

**CEPH 5315  
Reduction, Analysis  
and Interpretation of Data**

Study of principles and techniques of reducing, summarizing, and statistically treating data obtained in clinical exercise programs and research. Computer-assisted techniques are included. Extended computer access fee required.

**CEPH 5221  
Neuromuscular Exercise Physiology**

In-depth study of neuromuscular function with specific reference to acute and chronic exercise. Corequisite: CEPH 5121. Course fee required.

**CEPH 5121  
Neuromuscular Exercise  
Physiology Laboratory**

Study and practice of laboratory techniques used in evaluating neuromuscular responses to exercise. Corequisite: CEPH 5221. Laboratory fee required.

**CEPH 5223  
Cardiorespiratory Exercise Physiology**

In-depth study of cardiorespiratory function with specific reference to acute and chronic exercise. Corequisite: CEPH 5123. Course fee required.

**CEPH 5123  
Cardiorespiratory Exercise  
Physiology Laboratory**

Study and practice of laboratory techniques used in evaluating cardio respiratory responses to exercise. Corequisite: CEPH 5223. Laboratory fee required.

**CEPH 5354  
Program Management**

Study of the day-to-day supervision and administration of exercise and health promotion programs. Course fee required.

**HEALTH AND  
EXERCISE CORE  
COURSES (HECC)****HECC 5303  
Research Design**

Study of designs commonly employed in research in health and exercise sciences. Course fee required.

**HECC 5317  
Biometric Methods**

Study of statistical analysis of basic and clinical research data. Course fee required.

**HECC 5376  
Research Seminar**

Seminar on research literature related to specific topics in the study of movement and health professions. Course fee required.

**HECC 5391 - HECC 5392  
Practicum in Health and Kinesiology**

A minimum of 225 clock hours of supervised experience in a health profession or exercise science setting. Prerequisite: Consent of advisor. Course fee required.

**HECC 5393  
Contemporary Issues in Health  
and Kinesiology**

Analysis of selected contemporary controversial problems in the areas of health and human movement, with emphasis on ratio-

nal development and evaluation of viewpoints. Course fee required.

**HECC 5395  
Thesis I**

Selection of research topic and development of a thesis plan. Prerequisite: At least 15 graduate hours and consent of advisor. Course fee required.

**HECC 5396  
Thesis II**

Completion and approval of thesis. Prerequisite: HECC 5395 or consent of advisor. Course fee required.

**HECC 5099  
Independent Study**

Independent study in specific areas of health and exercise science not covered by organized graduate courses. A maximum of six hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair. Course fee required.

**HEALTH  
EDUCATION (HLED)**

The following courses may be taken for graduate credit with consent of advisor:

- HLED 4324 Drug Use, Misuse, and Abuse
- HLED 4326 Human Sexuality
- HLED 4333 Stress Management

**KINESIOLOGY  
(KINE)****KINE 5216  
Exercise Metabolism**

In-depth study of metabolic responses to acute and chronic exercise. Corequisite: KINE 5116. Course fee required.



**KINE 5116****Exercise Metabolism Laboratory**

Study and practice of laboratory techniques used in evaluating metabolic responses to exercise. Corequisite: KINE 5216. Laboratory fee required.

**KINE 5304****Psycho-Social Interactions with Exercise**

Study of how exercise affects and is affected by psychological and sociological variables related to health and fitness. Course fee required.

**KINE 5305****Motor Development**

An overview of the life changes that occur in physical fitness, physical skills, and perceptual motor skills. Individual variations due to genetic factors and environmental interventions are examined. Course fee required.

**KINE 5306****Topics In Motor Performance**

In-depth study of selected topics related to motor performance, including the areas of motor control, motor development and motor learning. May be repeated once for credit when content changes. Course fee required.

**KINE 5307****Motor Learning**

Study of the individual processes of skill acquisition, including the involvement of transfer, timing, feedback, practice, retention and motivation. Course fee required.

**KINE 5308****Adapted Physical Education for Children and Adults**

An in-depth study of selected disabilities and adaptations needed to permit participation in leisure and sports activities. Emphasis is given to recreational activities and training techniques appropriate for competitive athletics. Course fee required.

**KINE 5309****Advanced Motor Control**

An in-depth study of the processes of central and peripheral mechanisms involved in implementing physical and perceptual skills. Course fee required.

**KINE 5311****Topics In Exercise Physiology**

In-depth study of selected topics related to responses of the body to acute and chronic exercise. May be repeated once for credit when content changes. Course fee required.

**KINE 5313****Exercise Physiology I**

A survey of exercise physiology, examining muscular, metabolic, and cardiorespiratory adaptations to acute and chronic exercise. Course fee required.

**KINE 5314****Rehabilitative Exercise for Special Populations**

Study of principles of prescribing exercise for individuals who require special considerations related to exercise. Major emphasis is given to individuals with cardiovascular and pulmonary diseases. Also studied are special considerations related to diabetes, aging, orthopedic disorders, and other selected conditions. Aspects of epidemiology and pathophysiology, and the role of exercise and other interventions in disease prevention and rehabilitation are included. Course fee required.

**KINE 5315****Exercise Physiology II**

Comprehensive study of physiological adaptations to acute and chronic exercise. Course fee required.

**KINE 5317****Training Methods**

Study of training methods used to improve performance. Course fee required.

**KINE 5318****Strength Development**

Study of muscular strength: physiology, factors that affect strength, and training methods. Course fee required.

**KINE 5333****Topics In Biomechanics**

In-depth study of selected topics related to mechanical components of human motion. May be repeated once for credit when content changes. Course fee required.

**KINE 5335****Biomechanics I**

A survey of principles and procedures related to mechanical analysis of human motion, with emphasis on kinematic analysis. Course fee required.

**KINE 5337****Applied Kinesiology**

An in-depth study and analysis of the anatomical component of movement including style and form, adaptive behavior, and qualitative analysis. Course fee required.

**KINE 5339****Biomechanics II**

Study of principles and procedures related to mechanical analysis of human motion, including both kinematic and kinetic analysis. Course fee required.

## PHYSICAL EDUCATION (PYED)

**PYED 5308****Sport Psychology**

Study of cognitive, social and emotional factors in sport performance. Course fee required.

**PYED 5352****Topics In Instructional Styles**

In-depth study of selected topics related to styles of teaching in health or physical education (e.g., theoretical limits, cognition, individual instruction, and decision-making). May be repeated once for credit when content changes. Course fee required.

**PYED 5354****Topics in Structures of Curriculum**

In-depth study of selected topics related to curriculum in health or physical education. May be repeated once for credit when content changes. Course fee required.

The following courses may be taken for graduate credit with consent of advisor:

- PYED 4337 Care and Prevention of Athletic Injuries  
 PYED 4156, 4256 Topics in Motor Performance



## PSYCHOLOGY

The Department of Psychology offers three graduate degrees: (1) The Master of Science (MS) in Clinical Psychology, with optional specializations in school psychology or neuropsychology; (2) The Master of Arts (MA) in Counseling Psychology, with an optional specialization in marriage and family counseling; and (3) The Master of Arts (MA) in School Counseling.

### MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY

The clinical psychology program provides the opportunity for the student to understand, evaluate, and counsel persons with psychological problems, and to draw upon community resources for assistance in working with these persons. During completion of the MS degree and approved internship, the student is provided the opportunity to administer psychological tests and use various techniques of counseling and psychotherapy, behavior therapy and biofeedback. Students who complete all requirements in the clinical area, and who become licensed, often work in psychiatric hospitals, in mental health centers, or with doctorate-level psychologists in private practice.

Students may complete a general program of study in clinical psychology or may choose one of two specializations. A specialization in neuropsychology is available for graduate students completing a clinical psychology emphasis. The neuropsychology specialization is in addition to the sequence of courses required for each emphasis. The clinical neuropsychology specialization is also available for students with a master's or doctoral degree who desire training in neuropsychology. The sequence of courses include brain functioning and neuroanatomy, psychopharmacology, organic mental diseases, diagnosis and neuropsychological assessment. Upon completion of the 15 hour sequence, a certificate will be awarded.

The school psychology specialization provides the opportunity for the student to evaluate, counsel, prescribe and implement remedial procedures for students with behavioral, intellectual, and emotional problems. Because of the broad scope of this program, graduates may not be limited to employment in school settings. Many community mental health centers and other service centers employ graduates with school psychology training.

### MASTER OF ARTS IN COUNSELING PSYCHOLOGY

The M.A. in Counseling Psychology is intended to prepare students to counsel persons experiencing distress, rather than severe psychological disturbances. Students receive instruction in group processes, human development, and guidance counseling, in addition to instruction in assessment and counseling techniques. Students who complete their degrees and meet state certification or licensing requirements may be employed in settings similar to those employing clinical psychology graduates and other mental health professionals.

Students may specialize in marital and family counseling. These students are instructed in systems theory and in assessment and counseling techniques that pertain to marriage, divorce and family problems, including child sexual abuse and family violence.

## MASTER OF ARTS IN SCHOOL COUNSELING

The M.A. in School Counseling is intended for teachers who wish to become counselors in educational settings. This degree program does not prepare its graduates to counsel in social service or mental health agencies or in private practice. Students in the M.A. in School Counseling program receive instruction in assessment and counseling techniques appropriate to elementary and secondary students and have their practicum in a public or private school.

### ADMISSION REQUIREMENTS

Deadlines for application are October 1 for spring admission and February 1 for fall admission. Students may complete up to twelve credit hours of graduate courses prior to admission, with permission of their faculty advisor, the psychology graduate advisor, or the department chair. Additional graduate hours in psychology or counseling prior to admission to a degree program will not be applied toward degree requirements except through special petition prior to enrollment.

In addition to the Graduate Admissions Requirements listed in this catalog, to be considered for admission, applicants must submit scores of five years of age or less from:

A. The General Test Package #1 (verbal reasoning, analytical reasoning, writing, quantitative reasoning) of the Graduate Record Examination (GRE).

B. The GRE subject test in psychology (Not required for M.A. in School Counseling). Also, to be considered for admission applicants must submit:

A. Complete transcripts

B. Three letters of recommendation, preferably from persons who have directly observed the applicant's academic performance, and

C. An application form

(All of the above should be returned to the Senior Graduate Advisor, Department of Psychology, UT Tyler.)

Applications are reviewed on an individual basis. Admission is competitive and based on multiple criteria including letters of reference, work experience, GRE scores and grade point average (GPA) in the last sixty hours of undergraduate work. Successful applicants usually have a GPA of 3.0 or better (on a four point scale) and GRE scores which exceed the fiftieth percentile when compared to an appropriate reference group. Students who have not participated in traditional educational experiences may find that their performance on standardized tests does not adequately reflect their ability for graduate study. Applicants who believe their grade point average or their scores are not valid indicators of their ability should explain their concerns in a letter to the psychology graduate advisor. The department may elect to require additional assessments, including interviews, of individual applicants.

Students seeking admission to the clinical and counseling psychology degree programs should consult the psychology graduate advisor or should have completed the following undergraduate prerequisite: Introductory Psychology, Psychological Statistics and Laboratory, Experimental Psychology and Laboratory, Psychology of Learning, Tests and Measurement, and Abnormal Psychology. Additionally, students seeking to enter the Master of Science degree program should complete Physiological Psychology, and, if seeking the specialization Certificate in Clinical Neuropsychology, should complete Psychopharmacology also. Students seeking admission to the school counseling degree program should consult the school counseling graduate advisor or should have completed the following prerequisite: Abnormal Psychology, Psychology of Learning or equivalent,



and Cultural Diversity of Clients or equivalent. Applicants must have a current teaching certificate.

## PROGRAM OVERVIEW AND EXAMINATIONS

The Master of Science in Clinical Psychology and the Master of Arts in Counseling Psychology degree programs require 60 credit hours of course work. The Master of Arts in School Counseling degree program requires 42 credit hours of course work. Each is organized hierarchically into two tiers.

### First Tier

The first tier is comprised of basic general, clinical and counseling courses that provide, in conjunction with the undergraduate prerequisite courses, the basis and foundation for the second tier courses.

First tier course work includes the following for clinical and counseling psychology students: PSYC 5312 Counseling Theories, PSYC 5308 Advanced Psychopathology, PSYC 5328 Issues and Professional Ethics, PSYC 5340 Advanced Psychological Statistics and Design, PSYC 5342 Advanced General Psychology, PSYC 5354 Psychopharmacology, PSYC 5361 Behavior Modification. Depending upon their degree program students may include the following among their first tier course work: PSYC 5320 Advanced Study in Human Growth and Development, PSYC 5345 Group Processes, PSYC 5350 Clinical Neuropsychology, PSYC 5366 Assessment of Individual Mental Ability I.

First tier course work for school counseling students includes the following: EDSP 5350 Overview of Education of Exceptional Learners, EDUC 5301 Research Methods for the Behavioral Sciences, COUN 5334 School Guidance and Counseling, COUN 5335 Career Development/Guidance Counseling and Assessment or approved alternative, PSYC 4301 Tests and Measurement, PSYC 5312 Counseling Theories, PSYC 5320 Advanced Study in Human Growth and Development or approved alternatives, and PSYC 5361 Behavior Modification. Other courses may be included in the first tier curriculum as approved by the appropriate graduate advisor and included in the student's degree plan.

### Qualifying Examination

Students may progress to enroll in courses in the second tier only after successfully passing the department's Qualifying Examination. Clinical and counseling psychology students must achieve a satisfactory score on the GRE subject test as part of their Qualifying Examination. The Qualifying Examination may be repeated once. Students who do not pass the Qualifying Examination or who do not achieve a satisfactory score on the GRE subject test are dismissed from their degree programs. Also, the department may dismiss students from their degree programs for violations of the ethical and professional standards of the American Psychological Association.

### Second Tier

The second tier is comprised of more specialized clinical and counseling courses, and courses which feature the application and practice of clinical skills. Particular second tier courses appropriate for the neuropsychology, school psychology, and marriage and family specializations and for the M.A. in School Counseling degree are specified in the student's

degree plan.

Second tier students in clinical and counseling psychology are required to enroll in two consecutive semesters in PSYC 5392/5393 Applied Therapy prior to their required enrollment in COUN/PSYC 5396/5397 Supervised Practicum in Counseling/Psychology. Students in the school counseling program should enroll in the following second tier courses after completing their first tier courses and prerequisite: PSYC 5330 Counseling Children and Adolescents, PSYC 5345 Group Processes, and PSYC 5366 Individual Assessment of Mental Ability I. Finally, school counseling students must enroll in COUN 5314 Applied School Counseling prior to their required enrollment in COUN 5386 Supervised Practicum in School Counseling.

### Examinations

#### Written and Oral Comprehensive Examination of Clinical and Counseling Psychology Students:

The objective is to examine the degree candidate's diagnostic and therapeutic skills, clinical insight, understanding of ethical and professional practices and standards, and to ascertain the candidate's general readiness to enter clinical practice. The examination may be scheduled only during the students last semester of enrollment.

Each student will select an Examination Committee of three psychology faculty, as approved by the psychology graduate advisor, during the first semester of the practicum experience. Also, a student, following consultation with his or her faculty advisor and practicum site supervisor, will obtain written informed consent from a client or clients, who will serve as the case study in the student's comprehensive examination. The student must have had substantial interaction with the client during the practicum period or in a comparable experience, as determined by the student's faculty advisor. Client confidentiality and other ethical considerations will be strictly maintained.

Students will present the following to the examination committee at least two weeks prior to the oral examination:

- A. A diagnostic report containing information from standardized tests and standard clinical assessments
- B. A video tape recording of one-half hour of student interaction with the client or clients, and
- C. A thorough case history describing the therapeutic intervention

During the oral examination the examination committee will explore the student's written and videotaped presentation primarily, but may elect to question the student's understanding of any part of his or her curriculum of study.

The student must pass the comprehensive examination. If the student is not passed, then he or she will have a second opportunity to take the examination after completing any remedial preparatory work required by the exam committee. Failure to pass the comprehensive examination a second time will result in termination of the student from the master's program.

#### Written Comprehensive Examination for School Counseling Students

Students in this degree program are examined in accordance with the general graduate guidelines specified earlier in the Catalog.



## CERTIFICATION AND LICENSURE

The M.S. in Clinical Psychology can qualify students to take the licensing exam for certification as a Psychological Associate (P.A.) from the Texas State Board of Examiners of Psychologists. The M.A. in Counseling Psychology is intended to prepare students for the licensing exam to become a Professional Counselor (L.P.C.) through the Texas State Board of Examiners of Professional Counselors. However, following consultation with the Senior Graduate Advisor in Psychology, substitutions in course work or modest additions of course work may qualify graduates for both credentials. For example, many M.S. alumni have the P.A. and the L.P.C. The L.P.C. requires two years or 2000 hours of supervised practice after the completion of the masters degree. With the selection of an appropriate practicum site, following consultation with the Senior Graduate Advisor, the marital and family specialization in the counseling psychology degree program can qualify students to become licensed marital and family therapists.

The M.A. in School Counseling can qualify students to meet the course requirements to become Professional Counselors certified by the Texas Education Agency. The school counseling program is intended to prepare students to pass the ExCET (#60). However, successful completion of the school counselor degree program is not intended to prepare or qualify a student to become an L.P.C. or P.A. Applicants must have three years of teaching experience to qualify for the T.E.A. Professional Counselor Certificate. Students matriculating in master's programs other than the M.A. in School Counseling program or students who already have master's degrees should contact the Graduate Advisor in School Counseling or the University's T.E.A. certification officer regarding the Professional Counselor Certificate.

## MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY

Students interested in a Clinical Emphasis (B) should complete courses in one of the specializations (adult, child, or neuropsychology) plus all Foundations (A) courses; students with an interest in School Psychology (C) should complete courses listed under that emphasis plus all Foundations (A) courses.

- A. All clinical psychology students are required to complete a foundation of 36 hours as follows:

PSYC 5308 Advanced Psychopathology  
 PSYC 5312 Counseling Theories  
 PSYC 5328 Issues & Professional Ethics  
 PSYC 5340 Advanced Psychological Statistics and Design  
 PSYC 5342 Advanced General Psychology  
 PSYC 5361 Behavior Modification  
 PSYC 5366 Assessment of Individual Mental Ability I  
 PSYC 5368 Assessment of Personality  
 PSYC 5392 Applied Counseling Practice  
 PSYC 5393 Applied Therapy  
 PSYC 5396 Supervised Practicum in Psychology  
 PSYC 5397 Supervised Practicum in Psychology

- B. Students who wish to complete the general program of study in clinical psychology may choose their remaining 24 hours from the graduate psychology and counseling courses listed in the course description section. They should consult their faculty advisor and specify the courses in their degree plans.

- C. Students who choose to complete a specialization must include the following courses, as appropriate, among their remaining 24 hours.

1. Neuropsychology Specialization  
 PSYC 5350 Clinical Neuropsychology  
 PSYC 5352 Neuropharmacological Bases of Behavior  
 PSYC 5354 Psychopharmacology  
 PSYC 5356 Neuropsychological Assessment: Luria-Nebraska  
 PSYC 5358 Neuropsychological Assessment: Halstead-Reitan  
 PSYC 5370 Principles and Bioinstrumentation Theory in Bio-feedback  
 6 elective hours with advisor approval
2. School Psychology Specialization\*  
 PSYC 5325 School Psychology  
 PSYC 5330 Counseling Children and Adolescents  
 EDSP 5365 Developmental Testing  
 PSYC 5369 Psychological Assessment of Children & Adolescents  
 EDSP 5360 Seminar - Learning Disabilities  
 EDSP 5364 Seminar - Assessment in Special Education  
 READ 5362 Reading Diagnosis  
 3 elective hours with advisor approval

\*Substitutions to meet individual needs and interests are possible with prior advisor approval.

## MASTER OF ARTS IN COUNSELING PSYCHOLOGY

- A. All counseling psychology students are required to complete a foundation of 39 hours as follows.

PSYC 5308 Advanced Psychopathology  
 PSYC 5312 Counseling Theories  
 PSYC 5320 Advanced Study in Human Growth and Development  
 PSYC 5324 Cultural Diversity of Clients  
 PSYC 5328 Issues & Professional Ethics in Clinical Practice  
 PSYC 5330 Counseling Children and Adolescents  
 COUN 5335 Career Development Guidance/Counseling and Assessment in the Schools  
 PSYC 5340 Advanced Psychological Statistics and Design  
 PSYC 5345 Group Processes  
 PSYC 5361 Behavior Modification  
 PSYC 5392 Applied Counseling Practice  
 PSYC 5393 Applied Therapy  
 COUN 5396 Supervised Practicum in Counseling  
 COUN 5397 Supervised Practicum in Counseling

- B. Students who wish to complete the general program of study in counseling psychology may choose their remaining 21 hours from the graduate counseling and psychology courses listed in the course description section.

- C. Students who choose the Marriage and Family Specialization must include the following courses among their remaining 21 hours.

PSYC 5368 Assessment of Personality  
 COUN 5313 Family Therapy  
 COUN 5315 Marriage Therapy  
 COUN 5318 Sexuality and Sex Therapy



COUN 5321 Dynamics and Treatment of Family Violence  
 SOCI 5341 Seminar in Marriage and Family  
 3 elective hours with advisor approval

## MASTER OF ARTS IN SCHOOL COUNSELING

### A. Guidance Program (9 hours)

COUN 5334 School Guidance and Counseling  
 COUN 5335 Career Development/Guidance Counseling and Assessment  
 or  
 TNDV 5337 Concepts of Career Education  
 TNDV 5315 Planning and Organizing Programs of Vocational Guidance

### B. The Pupil Served (6 hours)

PSYC 5320 Advanced Study in Human Growth and Development  
 or  
 PSYC 5322 Psychology of Adolescence  
 or  
 EDEC 5342 Development of the Young Child  
 EDSP 5350 Overview of Education of Exceptional Children

### C. Research (3 hours)

EDUC 5301 Research Methods for the Behavioral Sciences

### D. Counseling and Development Services (18 hours)

PSYC 5312 Counseling Theories  
 PSYC 5330 Counseling Children and Adolescents  
 PSYC 5345 Group Processes  
 PSYC 4301 Tests and Measurement  
 EDSP 5365 Developmental Testing  
 PSYC 5366 Individual Assessment of Mental Ability I

### E. Supervised Practice (6 hours)

COUN 5314 Applied School Counseling  
 COUN 5386 Supervised Practicum in School Counseling

(Required total for degree and certification is a minimum of 42 graduate hours.)

\*Substitutions to meet individual needs and interests are possible with prior advisor approval.

## MASTER OF ARTS AND MASTER OF SCIENCE DEGREES IN INTERDISCIPLINARY STUDIES

Psychology may be chosen as one of the three required disciplines for the Master of Arts and Master of Science degrees in Interdisciplinary Studies. The Interdisciplinary Studies degree program is described in the graduate section of this catalog. The Psychology Department participates in interdisciplinary studies only to provide limited preparation in general psychology. Students majoring in psychology in interdisciplinary studies are not prepared to pursue certification or licensing in clinical psychology or professional counseling, except through the Texas Education Agency (i.e., the TEA Professional Counselor Certificate).

Students majoring in psychology in interdisciplinary studies are required to score in the upper half (fiftieth percentile or better) on the psychology subject test of the Graduate Record Examination (GRE), and to successfully complete PSYC 5342 Advanced General

Psychology prior to the semester in which they take their comprehensive examinations.

## COURSE DESCRIPTIONS

### COUNSELING (COUN)

#### COUN 5311

**Introduction to Family Systems Theories**  
 The historical development of systems theory and its application to family and marital problems. The cybernetic model and circular epistemology emphasized. Course fee required.

#### COUN 5313

**Family Therapy**  
 An overview of family therapies. Emphasis on conjoint family therapy, communication therapies, paradoxical therapy, and family pathology. Prerequisite: Consent of instructor. Recommended: COUN 5311. Course fee required.

#### COUN 5314

**Applied School Counseling**  
 A practical skills course designed to give the opportunity for applied experience in conducting individual therapy. Video and audio feedback as well as extensive direct supervision given. Prerequisite: COUN 5312 and consent of instructor. Course fee required.

#### COUN 5315

**Marriage Therapy**  
 Different approaches to marital therapy. Examines common areas and patterns of marital dysfunction. Includes techniques for intervention. Prerequisite: Consent of instructor. Recommended: COUN 5311. Course fee required.

#### COUN 5316

**Divorce Therapy**  
 Theory and research on decision-making in dealing with the difficult marriage (persevering, separation, divorce, singleness/remarriage). Anticipation of and planning for consequences of each decision. Includes therapeutic techniques for removal of negative or destructive feelings, attitudes and behaviors; planning for personal growth outcomes. Prerequisite: Consent of instructor. Recommended: COUN 5311. Course fee required.

#### COUN 5318

**Sexuality and Sex Therapy**  
 Examines normal functioning and the major problems of sexual dysfunction and psychological treatments from system and behavioral perspectives. Prerequisite: Consent of instructor. Recommended: COUN 5311. Course fee required.

#### COUN 5319

**Rehabilitation of the Substance Abuser**  
 Examines the conceptualizations of both the causes and the treatment of drug abuse. Includes information regarding drug classification, the addictive process and the rationale for various types of rehabilitation programs. Special emphasis on the dynamics of the addict and their family and how these dynamics affect rehabilitation of the drug abuser. Course fee required.

#### COUN 5321

**Dynamics and Treatment of Family Violence**  
 A survey of the symptoms and issues involved in child abuse, sexual abuse, and spouse abuse, including appropriate treatment strategies. Recommended: COUN 5311. Course fee required.



**COUN 5324****Cultural Diversity of Clients**

Examines client diversity with respect to ethnographic, demographic, and status variables, and challenges culturally biased assumptions which influence the provision of mental health services.

**COUN 5334****Planning and Organizing Programs of Guidance**

Purposes and functions of a guidance program; group guidance procedures; components of a guidance service for elementary and secondary students and adults. Course fee required.

**COUN 5335****Career Development Guidance/Counseling and Assessment in the Schools**

Overview of principles and practices of guidance and counseling in the schools as they relate to the curriculum, guidance services and the counseling process. Techniques for assessment of vocational and occupational aptitudes and interests. Attention given to occupational theories and techniques for facilitating career development and occupational choices. Course fee required.

**COUN 5380****Counseling Pro-Seminar**

Courses with a variety of topics areas; each course to address content areas of current issues, and needs important to the dynamic concerns of school counselors. May be repeated for additional credit. Prerequisite: Consent of instructor.

**COUN 5386****Supervised Practicum in School Counseling**

Supervised experiences in a public or private elementary or secondary school. Prerequisite: Consent of advisor.

**COUN 5396 & 5397****Supervised Practicum in Counseling**

A minimum 225-clock hours of supervised experiences in a setting in which counseling services are provided. Prerequisite: Consent of advisor.

**PSYCHOLOGY (PSYC)****PSYC 5308****Advanced Psychopathology**

Examines psychopathologies. Attention given to the causes of abnormal behavioral patterns, the labeling process, psychiatric nomenclature, and treatment procedures. Rationales for viewing deviance will be presented: analytic, behavioral, phenomenological, and biological. Prerequisite: PSYC 4311 or equivalent. Course fee required.

**PSYC 5312****Counseling Theories**

Problems of assessment, therapeutic contracting, and an eclectic presentation of divergent techniques of counseling. Prerequisite: Consent of instructor. Course fee required.

**PSYC 5320****Advanced Study in Human Growth and Development**

An advanced study of the synthesis of knowledge concerning sensory-motor skills, communication skills, social-emotional skills, and cognitive functions of learners. Course fee required.

**PSYC 5322****Psychology of Adolescence**

In depth focus on the adolescent, including developmental changes, problems and concerns unique to this stage of life. Methods and techniques for facilitating normal development and behavior. Remediation of abnormal and counterproductive behaviors. Course fee required.

**PSYC 5325****School Psychology**

Examination of the profession of school psychology; problems of psychological evaluation and remediation, referral and liaison with community mental health agencies and other service centers; psychological reports and ethics of psychologists. Course fee required.

**PSYC 5328****Issues and Professional Ethics**

Survey of issues in the practice of psychology and counseling from an ethical and professional viewpoint. Consideration of such things as the rules of the psychology and counseling boards, ethical case studies and professional practices. Course fee required.

**PSYC 5330****Counseling Children and Adolescents**

Examines the relevant counseling theories and techniques as they apply to children and adolescents. Includes interventions with emotionally disturbed or behaviorally disordered children. Prerequisite: Consent of instructor. Course fee required.

**PSYC 5340****Advanced Psychological Statistics and Design**

Includes aspects of complex experimental designs, statistical hypothesis testing, decision theory, multiple regression analysis, ANOVA, distribution-free techniques, and factor analysis. Prerequisite: PSYC 3331 and PSYC 3354 or equivalents. Course fee required.

**PSYC 5342****Advanced General Psychology**

Survey of sensory processes, perceptual processes, theories of motivation, statistical tests and design, learning theories and personality, and contemporary issues and problems in psychology. Course fee required.

**PSYC 5345****Group Processes**

Studies in interpersonal learning, types of groups, and member/leader behaviors in growth and therapy groups. Emphasis on theory, research and interpersonal growth experiences. Prerequisite: Consent of instructor. Course fee required.

**PSYC 5350****Clinical Neuropsychology**

Introduction to historical background of brain-behavior relationship. Focus upon brain pathologies and underlying brain

structures: aphasia, alexia, agraphia, body schema disturbances, apraxia, agnosia, neglect syndromes, late and early onset dementias, frontal lobe syndrome, seizure disorders, and related brain syndromes.

**PSYC 5352****Neuropharmacological Bases of Behavior**

A survey of the basic anatomy and neurochemistry of the brain as it relates to both normal and abnormal behavior. Includes every major neurotransmitter of the brain and abnormalities of these systems as they relate to human illness. Course fee required.

**PSYC 5354****Psychopharmacology**

A survey of physiological and behavioral effects of the major classes of psychoactive drugs including therapeutic agents and drugs of abuse, side effects, teratogenicity and mechanisms of action. Prerequisite: PSYC 5352 or equivalent. Course fee required.

**PSYC 5356****Neuropsychological Assessment: Luria-Nebraska**

Offers basic skills in neuropsychological assessment and brain functioning. Emphasis on the administration, scoring, and interpretation of the Luria-Nebraska Neuropsychological Battery, including the children's version. Prerequisite: a previous assessment course or testing background and consent of instructor. Recommended: a physiological psychology course. Course fee required.

**PSYC 5358****Neuropsychological Assessment: Halstead - Reitan**

Basic skills in neuropsychological assessment and brain functioning with emphasis on administration, scoring, and interpretation of the Halstead-Reitan Neuropsychological Testing Battery. Prerequisite: a previous assessment course or testing background and consent of instructor. Recommended: a physiological psychology course. Course fee required.



**PSYC 5361****Behavior Modification**

Principles of conditioning and a review of various learning theories: systematic desensitization, flooding, modeling, behavior rehearsal, self-regulation of behavior, and token economies will be studied. Prerequisite: PSYC 3325 or equivalent and consent of instructor. Course fee required.

**PSYC 5366****Assessment of Individual Mental Ability I**

Examines the historical background of selected individual scales of intellectual functioning. Special emphasis will be given to supervised practice in the administration, scoring, interpretation, and psychological report writing of the WISC-R, WAIS-R and WPPSI. Prerequisite: PSYC 4301 or equivalent and consent of instructor. Course fee required.

**PSYC 5367****Assessment of Individual Mental Ability II**

A course emphasizing the Stanford Binet IQ test and other appropriate school testing instruments. Special emphasis on supervised practice in the administration, scoring, interpretation, and psychological report writing. Prerequisite: PSYC 4301 or equivalent and consent of instructor. Course fee required.

**PSYC 5368****Assessment of Personality**

An examination of personality assessment instruments that are employed in a variety of settings; administration, scoring, interpretations and psychological report writing for selected instruments will be covered. Prerequisite: Major in psychology and consent of instructor. Course fee required.

**PSYC 5369****Psychological Assessment of Children and Adolescents**

Administration, scoring, interpretation, and report writing for various personality tests and other instruments used to evaluate children and adolescents. Includes diagnosis,

ethics, and other issues involved in emotional disturbance. Prerequisite: consent of instructor. Course fee required.

**PSYC 5370****Principles and Bioinstrumentation Theory in Biofeedback**

Review of research and origin of biofeedback methods; feedback myography, feedback encephalography and feedback skin temperature; operation and use of equipment and principles of operant conditioning will also be covered. Prerequisite: PSYC 4318 and consent of instructor.

**PSYC 5371****Seminar in Bio-Feedback and Affective Conditioning**

Clinical applications of bio-feedback technology. Training in deep muscle relaxation, EEG shaping, desensitization, skin temperature conditioning. Prerequisite: PSYC 5370 or equivalent. Course fee required.

**PSYC 5373****Diagnosis and Treatment of Child Sexual Abuse**

An intensive study of the appropriate procedures for the diagnosis, assessment and various treatment strategies of sexual abuse in children and adolescents. Course fee required.

**PSYC 5380****Pro-seminars in Psychology**

Seminars of topical interest in specialized areas of psychology. Prerequisite: Consent of instructor.

**PSYC 5390****Psychology of Aging**

Examines various aspects of aging, with a major focus on the psychosocial stresses and adaptive processes associated with changes in cognitive function, sensory processes, personality, social and work roles, and physiology in the aged. Course fee required.

**PSYC 5391****Social and Biological Gerontology**

Examines various social and biological theories of aging, with a major focus on mental health issues. Includes diagnostic evaluation, adjustment efforts, and treatment processes. Recommended: PSYC 5390 or equivalent. Course fee required.

**PSYC 5392****Applied Counseling Practice**

A clinical skills course emphasizing the acquisition of practical therapeutic techniques through role playing and modeling. Video and audio feedback as well as direct supervision given. Tier II. Prerequisite: PSYC 5312 and consent of instructor.

**PSYC 5393****Applied Therapy**

The application of practical therapeutic techniques with clients. Video feedback and direct supervision. Tier II. Prerequisite: PSYC 5312, PSYC 5392, and consent of instructor.

**PSYC 5394 and 5395****Thesis**

Selection of a research topic and development of a thesis plan. Prerequisite: Consent of advisor.

**PSYC 5396, 5397****Supervised Practicum in Psychology**

A minimum of 225-clock hours of supervised experiences in a setting in which psychological services are provided. Tier II. Prerequisite: Consent of advisor.

**PSYC 5099****Independent Study**

Independent study in specific areas of psychology not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of advisor.

The following course may be taken for graduate credit with consent of advisor:

PSYC 4301 Tests and Measurement



## SPECIAL SERVICES

The Department of Special Services offers two graduate degrees: the Master of Arts and the Master of Education. Programs within the department include educational administration, reading, and special education. Course work is also available in gifted education.

### EDUCATIONAL ADMINISTRATION

The Master of Education degree program in educational administration is designed to provide the student with an opportunity to acquire knowledge and practical experience for assuming a variety of roles among public school administrative staff. The program terminates in the degree along with the Texas Professional Midmanagement Administrator's Certification to those trainees who hold a Provisional Certification and who have had a minimum of two years creditable classroom teaching experience. Information regarding application for admission to the graduate program in educational administration can be obtained by contacting the Office of Graduate Studies, School of Education and Psychology.

#### Certification

##### Professional Midmanagement Administrator Certificate

Certification can be earned by completing the specified course sequence producing evidence of a valid Provisional Teaching Certificate, and producing evidence of having had a minimum of two years creditable teaching experience.

### MASTER OF EDUCATION

#### foundation area\*

- MANA 5310 Organizational Management
- COUN 5334 Planning and Organizing Programs of Guidance
- EDAD 5345 Microcomputer Applications for Educational Administration
- EDUC 5301 Research Methods for Behavioral Sciences
- EDUC 5352 Curriculum Development: Early Childhood to Adult

\* 15 hrs.

#### concentration area

- EDAD 5310 Introduction to School Administration
- EDAD 5320 School Law
- EDAD 5330 Principalship
- EDAD 5333 Administration of Special Programs
- EDUC 5328 Instructional Leadership Training
- EDAD 5337 School Building Operations

18 hrs.

#### specialized area\*\*

- EDAD 5311 Clinical Supervision
- EDAD 5335 Texas Teacher Appraisal System Training (K-12)
- EDAD 5340 The Administrator and Community Relations
- EDAD 5350 Personnel Administration

9 hrs.

- EDAD 5353 School Finance
- EDAD 5358 School Facilities
- EDUC 5303 Applied Learning Theories
- EDUC 5320 Telecommunications Applications in Education
- EDUC 5355 Analysis of Instructional Strategies
- EDUC 5357 Affective Personal Growth in Teaching
- EDSP 5350 Overview of Special Education
- READ 5368 Organization and Supervision of Reading Programs
- TECH 5325 Administration and Supervision of Tech-Voc Programs
- PSYC 5345 Group Processes

#### internship

- EDAD 5370 Internship in Educational Administration 3 hrs.

TOTAL 45 hrs.

\*Students not holding a valid Texas teacher certificate are required to have an undergraduate or graduate multicultural course to comply with TEA requirements for midmanagement certification. \*\* (From the Specialized Area, no more than 6 hours of EDAD courses may be credited toward the degree plan.)

### Superintendent Certificate

The Superintendent Certification is a 15 semester credit hour program beyond the 45 hour Professional Midmanagement Certificate.

- EDAD 5350 Personnel Administration
- EDAD 5353 School Finance
- EDAD 5358 School Facilities
- EDAD 5360 The School Superintendent
- EDAD 5370 Internship in Educational Administration

### Professional Supervisor Certificate

Certification as a professional supervisor is available and administered through the Department of Special Services. Certification requires 36 semester credit hours of prescribed curricula and three years of successful public school teaching experience. A Master of Education degree in Curriculum and Instruction along with supervisor certification is available. Students interested in such a program should consult the Coordinator of Graduate Studies, School of Education and Psychology.

#### foundation area

- EDUC 5301 Research Methods for the Behavioral Science
- or
- TECH 5303 \*Research Techniques in Technology
- EDUC 5359 Educational Technology
- EDUC 5328 Instructional Leadership Training

9 hrs.



## concentration area

18 hrs.

- EDAD 5310 Introduction to School Administration  
 EDAD 5311 Clinical Supervision  
 EDAD 5320 School Law  
 EDAD 5330 School Principalship  
 EDAD 5333 Administration of Special Programs  
 EDUC 5352 Curriculum Development  
 or  
 TECH 5326 \*Planning and Development of Technical-Vocational Programs

## specialized area

6 hrs.

- EDAD 5335 Texas Teacher Appraisal System Training (K-12)  
 EDAD 5350 Personnel Administration  
 EDUC 5303 Applied Learning Theories  
 EDUC 5335 Analysis of Instructional Strategies  
 EDUC 5357 Affective Personal Growth in Teaching  
 EDSP 5350 Overview of Special Education  
 READ 5368 Organization and Supervision of Reading Program  
 PSYC 5320 Human Growth and Development  
 PSYC 5345 Group Processes  
 TECH 5301 \*History and Philosophy of Technology  
 or  
 EDVO 5315 \*Planning and Organizing Programs of Vocational Guidance  
 TECH 5325 \*Administration and Supervision of Technical-Vocational Programs

## internship

3 hrs.

- EDAD 5370 Internship Educational Administration

\*Required of students pursuing the Vocational Supervisor Endorsement

TOTAL 36 hrs.

## COURSE DESCRIPTIONS

### EDUCATIONAL ADMINISTRATION (EDAD)

#### EDAD 5100, 5200, 5300 In-service Workshop

This course is designed to provide opportunities for groups of educators to study specific topics and problems in the area of educational administration. Up to six semester hours of credit in Inservice Workshop may be used for degree and certification

requirements with prior approval of the student's advisor. Course fee required for EDAD 5300.

#### EDAD 5310

##### Introduction to School Administration

An overview of school administration, including economic, political, and societal influence. Course fee required.

#### EDAD 5311

##### Fundamentals of Clinical Supervision

Introduction to the theory, knowledge and practices involved in supervision. Prerequisite: EDUC 5328. Course fee required.

#### EDAD 5320

##### School Law

An overview of school law for educators addressing legal issues that impact the operation of public schools. Course fee required.

#### EDAD 5330

##### The Principalship

An examination of the role and responsibilities of the principal as a leader in the elementary, middle, and/or secondary school. Course fee required.

#### EDAD 5333

##### Administration of Special Programs in Schools

An overview of various instructional and support programs examining federal, state and local implications for educational leaders. Course fee required.

#### EDAD 5335

##### Texas Teacher Appraisal System Training (K-12)

This training program is designed to provide administrators and teachers with the opportunity to prepare for certification as appraisers using the Texas Teacher Appraisal System (TTAS) K-12. Prerequisite: EDUC 5328 or completion of TEA-approved training in instructional leadership. Course fee required.

#### EDAD 5337

##### School Building Operations

The skills required of principals and assistant principals to effectively operate a school will be addressed. Skills will include the financial and personnel operations required in the day-to-day functioning of a school. The associated laws and their practical application to these functions will be stressed. Emphasis will be on applied skills and practical applications. Course fee required.

#### EDAD 5340

##### The Administrator and Community Relations

The administrator's role in building successful school-community relationships. Course fee required.

#### EDAD 5345

##### Microcomputer Applications for Educational Administration

A course designed to provide the student with experiences in using word processing, data bases and spreadsheets for educational administrative functions. Experiences will increase the student's personal and organizational productivity and will contribute to future success as an administrator. Prerequisite: COSC 3301 or equivalent. Extended computer access fee required.

#### EDAD 5350

##### Personnel Administration

Study of the administrator's role in recruiting, selecting, assigning, training, and evaluating staff. Such topics as personnel policy, salary schedules, fringe benefits, contractual practices and procedures, and academic freedom are considered. Course fee required.

#### EDAD 5353

##### School Finance

A course designed to address the basic concepts of public school finance from a national and state perspective. Course fee required.

#### EDAD 5358

##### School Facilities

A course designed for school administrators whose responsibilities include school plant planning and management. Topics include: using and maintaining existing school facilities, and the planning, designing, constructing of new school facilities. Course fee required.

#### EDAD 5360

##### The School Superintendent

This course focuses on an examination of the role of the school superintendent in the public schools. Special attention is given to the leadership responsibility of the school superintendent. Course fee required.



**EDAD 5370****Internship-Educational Administration**

Practical experience as a school administrator in a school setting. Goals, assignments, and time commitments to be determined by each internship committee. Experience guided and supervised by university and school representatives. Prerequisite: Recommendation of faculty advisor. May be repeated once for credit. Educational Administration Internship fee required.

**EDAD 5099****Independent Study**

This course provides an opportunity for the graduate student to conduct an in-depth study in a specific area of educational administration not covered by organized graduate courses. A maximum of six hours of independent study courses may be applied toward a graduate degree and certification in educational administration. Prerequisite: Consent of department chair.

## READING

This program is designed to offer an opportunity for the in-service teacher to provide effective reading instruction for learners at all levels. Opportunities for basic preparation for establishing, maintaining, and evaluating reading programs on a building level or system-wide basis are included. Admission to graduate degree programs in reading requires satisfactory scores on the General Test of the Graduate Record Examination. Students must complete program admission requirements during enrollment in the first 12 semester credit hours. Hours completed beyond 12 and prior to program admission will not be applied toward meeting degree requirements. Application for admission forms are available in the Office of the Coordinator of Graduate Studies, School of Education and Psychology.

### Certification

The certificate of Reading Specialist (K-12) is available at the graduate level. This certification program requires three years of classroom teaching experience, a valid Texas teaching certificate, a master's degree, and the completion of an appropriate course sequence. Application for the reading specialist's certificate is made through the office of certification.

## Master's Degrees in Reading

### Master of Arts

foundation area 6 hrs.  
 EDUC 5301 Research Methods for the Behavioral Sciences  
 three hours of graduate course work approved by advisor

reading area 21 hrs.  
 READ 5360 Advanced Developmental Reading  
 READ 5362 Reading Diagnosis  
 READ 5363 Remedial and Corrective Reading, K-Adult  
 READ 5364 Reading Research and Current Issues  
 READ 5365 Remedial Reading Practicum  
 READ 5368 Organization and Supervision of Reading Programs

**READ 5388 Reading in the Secondary School**

support area 3 hrs.  
 three semester credit hours selected with advisor approval

thesis 6 hrs.  
 READ 5395 Thesis  
 READ 5396 Thesis

TOTAL 36 hrs.

### Master of Education

foundation area 6 hrs.  
 three hours of graduate course work approved by advisor  
 EDSP 5350 Overview of Special Education

reading area 18 hrs.  
 READ 5360 Advanced Developmental Reading  
 READ 5362 Reading Diagnosis  
 READ 5363 Remedial and Corrective Reading (K-Adult)  
 READ 5364 Reading Research and Current Issues  
 READ 5365 Remedial Reading Practicum  
 READ 5368 Organization and Supervision of Reading Programs  
 READ 5388 Reading in the Secondary School

- A. Option 1: Electives  
 nine hours of graduate level courses approved by the student's advisor
- B. Option 2: Reading Specialist Certification
1. ENGL 5380 Advanced Grammar and Linguistics
  2. SOCI 5321 Intercultural Studies or SPCH 5340 Seminar in Intercultural Communication or equivalent with advisor approval
  3. ENGL 5381 Children's Literature: Preschool through Adolescence

Although a student is allowed six years to complete a graduate degree program in reading, the degree requirements may change during the six year period as state and local requirements are revised.



## COURSE DESCRIPTIONS

### READING (READ)

#### Read 5100, 5200 & 5300

##### **In-service Workshop**

Designed to provide opportunities for groups of teachers who wish to study specific educational problems in the reading area. Up to three semester hours of credit in inservice workshops may be used for degree requirements with the prior approval of the student's advisor. Course fee required for READ 5300.

#### READ 5350

##### **Language Experience Approach to the Teaching of Reading**

Focus of the course is upon the strategies and resources needed to implement a language experience approach to reading. Emphasis given to children's pre-language development, influence of various environments upon learner readiness for reading, techniques for implementing LEIR (Language Experience in Reading). Course fee required.

#### READ 5360

##### **Advanced Developmental Reading**

A study of the elementary reading program, including emergent literacy and the developmental reading areas, using literature-based and basal reading materials. Focus is on teacher/learner strategies that emphasize the reading/writing connection. Course fee required.

#### READ 5361

##### **Coordination of Reading and the Language Arts: Kindergarten through College**

Presentation and evaluation of the various approaches to the coordination of reading and language arts programs. Course fee required.

#### READ 5362

##### **Reading Diagnosis**

A study of individual and group diagnostic reading procedures for grades one through college. Experience in testing and reporting of results included. Prerequisite: READ 5360. Course fee required.

#### READ 5363

##### **Remedial and Corrective Reading: K-Adult**

A study of reading disabilities, instructional techniques and materials used to correct those disabilities. Prerequisite: READ 5362. Course fee required.

#### READ 5364

##### **Reading Research and Current Issues**

A study of current research and relevant issues. The student will have the opportunity to design and complete a graduate project under the direction of the instructor. Course fee required.

#### READ 5365

##### **Remedial Reading Practicum**

A study of the organization, maintenance, and evaluation of remedial reading programs. Practicum experiences in teaching students who need help with word recognition, fluency, comprehension and study skills within a peer coaching model. Prerequisite: READ 5362. Course fee required.

#### READ 5366

##### **Practicum in Reading**

Designed to provide the student with the opportunity to acquire experience in diagnosing, prescribing, and correcting reading problems within a peer coaching model. Prerequisite: READ 5362 and consent of instructor and advisor. Course fee required.

#### READ 5368

##### **Organization and Supervision of Reading Programs**

Designed to investigate the role of the supervisor and to provide the student with the opportunity to develop, organize, and administer reading programs. Course fee required.

#### READ 5380

##### **Topics in Reading**

Personalized training in special reading programs. Three hours credit may be applied to a degree plan with consent of advisor. This course may be repeated for credit as topics change. Course fee required.

#### READ 5381

##### **Reading Recovery I**

An introduction to Reading Recovery techniques including theoretical foundation, purposes, and procedures. Classroom instruction is coordinated with an integrated field experience. Prerequisite: Consent of advisor. Course fee required.

#### READ 5382

##### **Reading Recovery II**

A continuation of Reading Recovery techniques including theoretical foundations, purposes, and procedures. Classroom instruction is coordinated with an integrated field experience. Prerequisite: Consent of instructor and READ 5381. Course fee required.

#### READ 5386

##### **Workshop on Using the Newspaper: (The Living Textbook) in the Classroom, Kindergarten through College**

A workshop devoted to utilizing the newspaper as a teaching tool for the classroom teacher kindergarten through college. Course fee required.

#### READ 5388

##### **Reading in the Secondary School**

A study of the assessment of textbooks, content area reading-study skills, teacher/learner strategies via a content reading lesson, assessment procedures, and development of secondary reading programs. Course fee required.

#### READ 5395

##### **Thesis**

Selection of a research topic and development of a thesis plan. Prerequisite: Fifteen graduate hours.

#### READ 5396

##### **Thesis**

Completion and approval of thesis. Prerequisite: READ 5395 or concurrent enrollment.

#### READ 5099

##### **Independent Study**

Independent study in specific areas of reading not covered by organized graduate courses. A maximum of six credit hours of independent study course may be applied toward a graduate degree. Prerequisite: Consent of instructor and advisor.



## SPECIAL EDUCATION

The Master's degree programs in special education are designed to provide opportunities for academic and practicum experiences for attaining a variety of professional objectives. The Master of Arts degree program is structured primarily as a research-oriented degree with no teacher certification. The Master of Education degree program is designed to fulfill academic requirements for certification as a generic special educator or an educational diagnostician. Admission to graduate degree programs in special education requires satisfactory scores on the General Test of the Graduate Record Examination, and a grade point average of at least 2.5 for the last two years of undergraduate training. Application for admission forms are available in the office of the Coordinator of Graduate Studies, School of Education and Psychology.

### CERTIFICATION

#### GENERIC SPECIAL EDUCATION

Emphasis in generic special education provides the student with the opportunity to deal with academic and behavioral needs of exceptional learners in self-contained, resource, or regular school settings. Field experiences are selected to be compatible with the student's particular interests and professional objectives. Certification can be earned by a person who holds a valid teaching certificate in certain fields, has completed 24 semester hours of prescribed course work and who receives a passing score on the appropriate ExCET examination. Required courses for completion of the certification at the graduate level include EDSP 5350, 5357, 5360, 5363, 5364, 5368, 5370 and three semester hours approved by the student's advisor. The academic requirements for certification can be completed through a master's program.

#### PROFESSIONAL EDUCATIONAL DIAGNOSTICIAN

Emphasis in educational diagnosis provides the student with the opportunity to assess the competencies of exceptional learners using informal and formal measures, and prescribe individualized education plans based on test results. The ExCET examination for certification may be taken by a person who holds a valid teaching certificate, has completed three years of successful teaching experience and 33 semester credit hours of prescribed course work, 18 hours of which must be at the graduate level. Course content must lead to competence in special education (9 hrs.), assessment (9 hrs.), teaching strategies (6 hrs.), learning theory (6 hrs.), and human growth and development (3 hrs.). The academic requirements for certification can be completed through a master's program.

### ENDORSEMENT

#### EARLY CHILDHOOD - HANDICAPPED

Endorsement to teach handicapped early childhood individuals is available through the Department of Special Services. Endorsement requirements are as follows:

- A. Bachelor's degree
- B. Valid Texas elementary certificate, teacher of young children certificate, special education certificate, or vocational home economics certificate which requires a bachelor's degree
- C. Nine semester hours in early childhood education, including, but not limited to,

EDEC 5325, EDEC 5345, and EDEC 5348

- D. Nine semester hours directly related to teaching students (ages 0 through 8) with handicaps, including EDSP 5350, EDSP 5352, and EDSP 5375
- E. Three semester hours of student teaching with handicapped children (ages 0 through 8) or  
One year of successful teaching experience on a permit in an early childhood for the handicapped classroom in a school accredited or approved by the Texas Education Agency
- F. ExCET requirement: Early Childhood

#### GIFTED AND TALENTED EDUCATION

Endorsement in gifted education is available through the Department of Special Services. Endorsement requirements are as follows:

- A. Bachelor's degree
- B. Valid Texas teacher certification
- C. Twelve semester hours of graduate work including EDGT 5354, 5355, 5360, and 5362
- D. Three semester hours of practicum or two years of successful classroom teaching experience in a program for gifted and talented students

#### SERIOUSLY EMOTIONALLY DISTURBED AND AUTISTIC

Endorsement to teach seriously emotionally disturbed and autistic individuals is available through the Department of Special Services. Endorsement requirements are as follows:

- A. Bachelor's degree
- B. Valid Texas teacher certification
- C. Generic Special Education endorsement
- D. Nine semester hours directly related to teaching the seriously emotionally disturbed and autistic, including EDSP 5357, EDSP 5363, and EDSP 5367.
- E. Three semester hours of student teaching with the seriously emotionally disturbed and autistic -or-  
One year of successful teaching experience on a permit teaching the seriously emotionally disturbed and autistic
- F. ExCET requirement: Severely Emotionally Disturbed and Autistic

### MASTER OF ARTS

foundation area

6 hrs.

EDUC 5301 Research Methods for the Behavioral Sciences  
three semester hours from PSYC 5340, PYED 5303,  
or EDUC 5305 with advisor approval.

special education area

18 hrs.

Courses are selected by the student and advisor to meet student's professional objectives.



thesis 6 hrs.

EDUC 5395 Thesis

EDUC 5396 Thesis

support area 6 hrs.

A minimum of six semester hours may be completed outside the major area, with prior advisor approval.

TOTAL 36 hrs.

## MASTER OF EDUCATION

foundation area 6 hrs.

EDUC 5301 Research Methods for the Behavioral Sciences and  
three semester hours selected with advisor approval.

special education area 18-24 hrs.

EDSP 5350 Overview of Special Education

EDSP 5364 Seminar: Assessment and Evaluation in Special Education

EDSP 5368 Seminar: Educational Strategies in Special Education

EDSP 5370 Learning Theory as Applied to Exceptional Learners

EDSP 5375 Communication Disorders

Three to nine additional hours in Special Education selected with  
advisor approval dependent upon the student's professional objectives.

**Note:** A Master of Education degree in Special Education with endorsement in Serious Emotional Disturbance or a Master of Education degree in Special Education with endorsement in Early Childhood - Handicapped is available to graduate students who hold Generic Special Education Certification. 18 to 24 semester hours of special education courses must be selected with advisor approval dependent upon the student's professional objectives.

support area

Six to 15 semester hours must be completed outside the major area. All courses must be selected with advisor approval dependent upon the student's professional objectives.

TOTAL 36 hrs.

## MASTER OF EDUCATION IN SPECIAL EDUCATION WITH GENERIC SPECIAL EDUCATION CERTIFICATION

\*foundation area: 6 hrs.

EDUC 5301 Research Methods for the Behavioral Sciences

SOCI 5321 Intercultural Studies, or

Three semester hours approved by advisor.

special education area: 24 hrs.

EDSP 5350 Overview of Special Education

EDSP 5360 Seminar-Learning Disabilities

EDSP 5363 Behavioral Disorders

EDSP 5364 Seminar-Assessment and Evaluation in Special Education

EDSP 5368 Seminar-Educational Strategies in Special Education

EDSP 5370 Learning Theory as Applied to Exceptional Learners

EDSP 5357 Practicum in Special Education

Three semester hours selected from EDSP 5352, 5362, 5369, 5375  
with advisor approval.

support area 6 hrs.

Six semester hours outside the area of special education with advisor approval.

TOTAL 36 hrs.

## MASTER OF EDUCATION IN SPECIAL EDUCATION WITH EDUCATIONAL DIAGNOSTICIAN CERTIFICATION

foundation area 6 hrs.

EDUC 5301 Research Methods for the Behavioral Sciences

EDSP 5350 Overview of Special Education (Birth-12),

or Three semester hours selected with advisor approval.

special education area 21 hrs.

EDSP 5357 Practicum in Special Education

EDSP 5364 Seminar-Assessment and Evaluation

EDSP 5366 Seminar-Comprehensive Individual Assessment

EDSP 5368 Seminar-Educational Strategies in Special Education

EDSP 5378 Administration and Supervision of Programs in Special Education

Six semester hours selected with advisor approval.

support area: 9 hrs.

PSYC 5320 Advanced Human Growth and Development

PSYC 5366 Assessment of Individual Mental Ability-I

EDSP 5365 Developmental Testing, or

READ 5362 Reading Diagnosis

TOTAL 36 hrs.

\*SOCI 5321 is required for certification unless the student has completed its equivalent at the undergraduate level.



## COURSE DESCRIPTIONS

### GIFTED EDUCATION (EDGT)

#### EDGT 5354

##### Overview of Gifted Education

A study of education of gifted and talented students that includes historical overview of gifted education, definitions, terminology, theories, models, and characteristics. In addition, identification and assessment procedures, program prototypes, and teacher characteristics are addressed. Course fee required.

#### EDGT 5355

##### Teaching the Gifted: Methods, Materials, and Curriculum

A study of methods, materials, and curriculum for gifted and talented students. Content consists of the scope and sequence in gifted programs, adaptations for individual differences, organization of thematic interdisciplinary content, and teaching higher level cognitive skills, creative thinking, problem solving, critical thinking, logical thinking, and decision making. Course fee required.

#### EDGT 5360

##### Seminar: Counseling and Guidance of Gifted and Talented Students

A study of counseling and guidance of gifted students that includes differential affective characteristics of gifted and talented students, general counseling theories, guidance techniques, communications with parents and teachers of gifted, and school role in psycho-social development. Course fee required.

#### EDGT 5362

##### Creativity: Theories, Models, and Applications

A study of creativity in relation to development of programs for gifted and talented

students. Topics include instruments and techniques for identifying creativity, theories and models of creativity, instructional strategies for enhancing creativity, problems of creatively gifted, and evaluation of creative performance and product. Course fee required.

#### EDGT 5370

##### Practicum in Gifted and Talented

Provides students with opportunities to experience educational programs with exceptional children and youth directly related to potential professional goals. Clinical experience provided. Prerequisite: EDGT 5354, 5355, 5360, 5362, and consent of instructor.

### SPECIAL EDUCATION (EDSP)

#### EDSP 5100, 5200 & 5300

##### In-service Workshop

Designed to provide the opportunity for groups to study specific educational problems related to exceptional learners. Credit in no more than six semester hours of inservice workshops may be used for degree requirements with the prior approval of the student's advisor. Course fee required for EDSP 5300.

#### EDSP 5350

##### Overview of Special Education (Birth -21)

A study of the history, philosophy, and structure of educational programs for exceptional learners from birth through 21; analysis of state and federal regulations affecting special education; consideration of medical, psychological, social, and employment problems of the handicapped. Course fee required.

#### EDSP 5352

##### Infants and Young Children

A study of exceptionalities of infants and young children. Special attention will be given to early identification related to motor behavior, adaptive behavior, communication, and personal-social behavior. Interaction and management techniques will be studied. Course fee required.

#### EDSP 5357

##### Practicum in Special Education

Provides student with opportunities to experience educational programs with exceptional children and youth directly related to potential professional goals. Clinical experience provided. Prerequisite: EDSP 5364 and 5368 (generic), or EDSP 5364, 5366, 5368 and PSYC 5366 (diagnostician), or consent of instructor. Course fee required. EDSP 5360 Seminar-Learning Disabilities A study of the behavioral, motor, and learning characteristics of individuals with learning disabilities. Includes discussions of causal factors. Course fee required.

#### EDSP 5362

##### Adolescents with Special Learning Needs

A study of the learning needs of the handicapped adolescent including career and vocational alternatives, transition, and inter-agency cooperation. Course fee required.

#### EDSP 5363

##### Behavioral Disorders

A study of the psychology of disruptive behavior, including definitions, characteristics, identification, and academic and social interventions for managing behavior. Consideration given to behavior modification and other major approaches for changing behavior. Course fee required.

#### EDSP 5364

##### Seminar: Assessment in Special Education

Detailed study of test construction, including rationale and validity of major assessment and evaluation instruments; discussions of teacher made tests, teacher observation techniques unique to exceptional

learners, birth through 21. Clinical experience included. Course fee required.

#### EDSP 5365

##### Developmental Testing

Examines approaches to assessing the academic readiness and aptitude of preschool, elementary and secondary school aged children in terms of developmental level and intellectual functioning. Special emphasis will be given to supervised practice in the administration, scoring, and interpretation of results from the most frequently used assessment instruments designated by federal and Texas Education Agency guidelines. Prerequisite: experience with or course work on standardized testing. Course fee required.

#### EDSP 5366

##### Seminar: Comprehensive Individual Assessment

A study of major standardized instruments utilized in the comprehensive individual assessment of language, educational achievement, and learning competencies. Includes clinical and field experience in administration, scoring and interpretation. Comparisons with intellectual functioning for determining the existence of a handicapping condition. Report writing and educational prescriptions. Prerequisite: EDSP 5364 and PSYC 5366. Course fee required.

#### EDSP 5367

##### Serious Emotional Disturbance and Autism

A study of the major social, educational, and behavioral interventions for seriously emotionally disturbed and autistic individuals including applied behavioral analysis, behavioral self-control, crisis intervention, management of violent behavior, medical management, parent training, interdisciplinary coordination, systematic instruction, curriculum development, and other aspects unique to this population. Prerequisite: EDSP 5363. Course fee required.



**EDSP 5368****Seminar: Educational Strategies for Special Education**

Presentation and application of major educational strategies for exceptional learners; investigation of methodology, materials, and equipment associated; application of current teacher evaluation system with special educational programs. Clinical experience included. Prerequisite: EDSP 5364 and additional 12 semester hours in special education, or consent of instructor. Course fee required.

**EDSP 5369****Severe/Profound and Multiple Disabilities**

A study of the major characteristics and instructional concerns of students manifesting severe/profound or multiple handicaps. Examines current principles and practices in the development and implementation of educational and vocational curricula and programming for children and youth with these disabilities. Field experience included.

**EDSP 5370****Learning Theory as Applied to Exceptional Learners**

Investigation of major learning theories and how applied to programs for exceptional individuals; study of teaching models and how applied to exceptional learners. Course fee required.

**EDSP 5375****Communication Disorders**

A comprehensive study of communication disorders and major remediation techniques as related to individuals with special learning needs. Course fee required.

**EDSP 5376****Contemporary Issues in Special Education**

Discussion and investigation of current major issues in education of individuals with special learning needs. Prerequisite: Consent of instructor. Course fee required.

**EDSP 5377****International Programs in Special Education**

A detailed study of approaches to assessment and remediation of exceptional learners in selected foreign countries including investigation of current literature and governmental regulations. Includes on campus seminars prior to travel in countries selected for study.

**EDSP 5378****Administration and Supervision of Programs in Special Education**

An in-depth study of the legal responsibilities inherent in special education program planning and development. Content includes alternative program formats, funding sources, consultation, communication techniques, and evaluation. Field experience included. Course fee required.

**EDSP 5099****Independent Study**

Independent study in specific areas of special education not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following course may be taken for graduate credit with consent of advisor:

EDSP 4362 Mental Retardation.

# TECHNOLOGY

The Master of Science degree in technology implements a total program for technology including industry, secondary education and higher education. This degree is designed to provide professional educational development opportunities at the graduate level for technology teachers, technology administrators or training directors in industry, and technical personnel in industry. Admission to the program requires a satisfactory score on the Miller Analogies Test (MAT) or the General Test of the Graduate Record Examination (GRE) and a satisfactory undergraduate grade point average. Admission to candidacy must be recommended by the student's advisory committee and is subject to the completion, with an average grade of "B" or better, of at least nine semester hours of graduate work in technology at The University of Texas at Tyler. Applications for admission to candidacy are available in the Office of Graduate Studies, School of Education and Psychology. The student's advisory committee will be selected by the student with the assistance of the major advisor. During the last semester of the program the candidate must successfully complete a written and/or oral comprehensive examination over the coursework of the degree plan. This examination will be administered and evaluated by the student's advisory committee. The general requirements for the degree may be found in the General Degree Requirements section for the School of Education and Psychology. In addition to the general requirements for admission to the graduate study, the prospective graduate degree students in technology without adequate preparation may be required to take additional undergraduate courses to complete deficiencies.

## Master of Science

Described below are degree requirements which must be satisfied to obtain a Master of Science degree in technology. The curriculum is flexible enough to allow students to complete the requirements in any sequence desired.

### Technology Courses

Professional core-required	6 hrs.
TECH 5301 History and Philosophy of Technology	
TECH 5303 Research Techniques in Technology	
Area of concentration	18 hrs.
Support courses	12 hrs.
TOTAL	36 hrs.

All courses must be approved by the student's advisor.

The Master of Science degree in technology is a multi-option degree in which the student will specialize in one of the following areas:

### INDUSTRY

**Industrial Technology** designed to prepare the individual for employment which involves supervision, administration, and other types of leadership positions in the production ar-



eas of industry.

**Industrial Safety** designed to prepare the individual in the field of loss management and the procedures for controlling the industrial environment through safety principles, practices, and laws.

**Industrial Distribution** designed to prepare the individual in the basic skills of purchasing, selling, installing, and servicing industrial products.

## EDUCATION

**Technology Systems** focuses on the requirements of industrial technology education in secondary schools. This option provides insight into our industrial society through laboratory experiences and professional development courses.

**Trades and Industries** stresses technical knowledge and related industrial information for the purpose of teaching.

**Technical Professions** encompasses a wide variety of post-secondary technical programs which require a high degree of technical knowledge.

The University of Texas at Tyler is a designated vocational supervisor, vocational office education, and vocational industrial teacher institution. The required certification courses are offered.

## Cooperative Doctoral Degree

The University of Texas at Tyler has entered into a cooperative degree program under which qualified students may complete a stipulated amount of course work at The University of Texas at Tyler applicable toward the Doctor of Philosophy degree in industrial/technology education at Texas A&M University. A student wishing to pursue this cooperative doctoral program should contact the Chair, Department of Technology at The University of Texas at Tyler.

## COURSE DESCRIPTIONS

### TECHNOLOGY (TECH)

#### TECH 5300

##### Inservice Workshop for Technology

This course is designed to provide opportunities for groups who wish to study specific problems in technology. Up to six semester hours of credit in inservice workshops may be used for degree requirements with the prior approval of the student's advisor. Course fee required.

#### TECH 5301

##### History and Philosophy of Technology

A study of the social, political, industrial, and educational factors which have influenced technology. Emphasis is placed on readings and discussion for the purpose of developing a sound philosophy of technology. Course fee required.

#### TECH 5303

##### Research Techniques in Technology

An orientation in types of research, literature, and proposal development. An advisor-approved project is required. Course fee required.

#### TECH 5305

##### Seminar in Technology

A discussion and analysis of current trends and problems in technology. Up to six semester hours may be applied to a degree. No topics may be repeated. Course fee required.

#### TECH 5307

##### Measurement and Evaluation in Technology Education

A study of evaluation principles as they relate to curricula, students, programs, community relations, and required reporting procedures in technology education.

#### TECH 5309

##### Industrial Technology

Involves updating skills, knowledge, and experience in industrial processes and materials. Course fee required.

#### TECH 5310

##### Quality Control Techniques

A discussion, analysis and application of quality control concepts to include both attribute and variable quality control techniques. Total quality control (TQC) and variable analysis will be emphasized as they apply to Just-In-Time manufacturing techniques. Attribute analysis will be emphasized as it applies to MIL-STD-105D and variable analysis as it applies to MIL-STD-414. Effective utilization of microcomputers will be used to develop spreadsheets, graphs, charts, and run statistical quality control microcomputer programs. This course is reflective of current trends and problems in technology. Course fee required. Extended computer access fee required.

#### TECH 5311

##### Trends and Techniques

##### in Visual Communication Technology

An emphasis on current trends and technical applications in the visual communication industry. Prerequisite: Consent of instructor and advisor. Extended computer access fee required.

#### TECH 5313

##### Energy, Power, and Transportation Systems

Study of energy and transportation concerned with delivery systems and methods. Course fee required.

#### TECH 5318

##### Computer Applications in Industrial Technology

Study of methods and materials for integrating the computer into the various areas of the technology curriculum. Course fee required.

#### TECH 5325

##### Administration and Supervision of Technical-Vocational Programs

Study of the fundamentals, principles, and techniques of supervision and administration of technical-vocational programs. Course fee required.

#### TECH 5326

##### Planning and Development of Technical-Vocational Programs

Planning, organizing, and developing programs in technical-vocational education as required by the Texas State Plan for Vocational Education. Course fee required.

#### TECH 5327

##### Instructional Improvement in Technical-Vocational Programs

Emphasis on updating instructional abilities in technical-vocational programs including diagnosis, alternative teaching strategies, and evaluation. Prerequisite: Teaching experience in technical programs. Course fee required.

#### TECH 5328

##### Topics in Technical Programs

Studies in technical programs. Up to nine semester hours may be applied to a degree. Topics may be repeated if content changes. Course fee required.



**TECH 5329****Trends in Industry**

Study of new and developing industrial techniques. Course fee required.

**TECH 5330****Safety and Health Developments**

An analysis of concerns in the work environment such as changes in laws, new research findings, and attitudes of management and labor toward safety and health. Course fee required.

**TECH 5331****Industrial Systems Management**

Planning and scheduling to interface human resources with modern industry. Course fee required.

**TECH 5341****Planning, Developing and Implementing Safety Programs**

Explores the expertise needed to plan, develop and implement safety programs. Course fee required.

**TECH 5342****Trends in Industrial Training**

Designed to help people in industry best utilize resources for increasing productivity. Course fee required.

**TECH 5345****Professional Development**

Provides an opportunity to investigate and discuss ways to upgrade knowledge and skills relating to professional responsibilities. Course fee required.

**TECH 5346****Controlling the Industrial Environment**

Examines the principles and techniques used for effectively controlling the industrial environment. Course fee required.

**TECH 5099****Independent Study**

Independent study in specific areas of technology not covered by organized graduate courses. A maximum of six hours for independent study courses may be applied to-

ward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor:

TECH 4307 Driver Education I

TECH 4308 Driver Education II

TECH 4317 Computer Integrated Manufacturing

## **TRAINING AND DEVELOPMENT (TNDV)**

**TNDV 5310****Sponsoring Student Activities Programs**

Introduction to student activity programs, including the purpose, organization, role of student leadership techniques, financing and program evaluation. Course fee required.

**TNDV 5313****Organization and Management of Instructional Environment**

Designed to provide vocational, industrial, and health occupations education laboratory teachers opportunities in properly organizing and managing learning situations in the classroom and laboratory. Prerequisite: Consent of instructor and advisor. Course fee required.

**TNDV 5315****Planning and Organizing Programs of Vocational Guidance**

Purposes and functions of a guidance program; group guidance procedures; components of a vocational guidance program; techniques of providing vocational guidance service for elementary and secondary students and adults. Course fee required.

**TNDV 5333****Human Relations for Technical Teachers**

A study of relationships among teachers, administrators, students and parents according to heredity, environment and attitudes. Prerequisite: Consent of instructor and advisor. Course fee required.

**TNDV 5334****Organization and Coordination of the Vocational Industrial Cooperative Education Programs**

A study of organization and operation of cooperative education in relation to student instructor and advisor. Course fee required.

**TNDV 5335****Problems in Industrial Cooperative Education**

Emphasis on identifying, analyzing, and solving real problems encountered in the operation of a cooperative education program. Prerequisite: Consent of instructor and advisor. Course fee required.

**TNDV 5336****Instructional Processes for Adult Education**

Theory and methods of instruction in adult and continuing education to include learning principles, curriculum organization, evaluation techniques and effective classroom interaction. Course fee required.

**TNDV 5337****Concepts of Career Education**

Organized to provide the opportunity to acquire a broad overview of career information and to compare many of the approaches that currently exist. Course fee required.

**TNDV 5338****Implementing Career Concepts into Course Content**

An introduction to career education to include basic concepts, career counseling techniques, career education, responsibilities and methods of implementation. Course fee required.

**TNDV 5340****Instructional Strategies of Office Education Courses**

A competency based instructional system approach for developing office education courses in secondary public schools.

**TNDV 5341****Management of Office Education Programs/Courses**

Management techniques appropriate for teaching office education courses in secondary public schools.

The following courses may be taken for graduate credit with consent of advisor:

TNDV 4310 Sponsoring Student Activity Programs

TNDV 4325 Accident Prevention for Technical Programs

TNDV 4331 Goals and Objectives of Technical-Vocational Programs

TNDV 4332 Course Construction in Technical-Vocational Programs



## SCHOOL OF LIBERAL ARTS

Stephen R. Lefevre, dean

The School of Liberal Arts participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies and offers the Master of Arts degree in English, the Master of Arts degree in history, and the Master of Public Administration degree. The school also offers courses leading to an endorsement in English as a second language.

### MASTER OF ARTS AND MASTER OF SCIENCE DEGREES IN INTERDISCIPLINARY STUDIES

The Master of Arts and the Master of Science degrees in interdisciplinary studies emphasize study in a wider range of fields than is normally possible in a program with a traditional major. The student's background and goals are considered in the design of the individual degree plan.

Disciplines within the School of Liberal Arts which may be chosen as one of the three required disciplines are art, criminal justice, economics, English, English as a second language, history, journalism, music, political science, sociology, speech communication and theatre. The Interdisciplinary Studies degree program is in the graduate section of this catalog.

## DEPARTMENT OF ART

The Department of Art participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies and offers elective courses for students seeking other graduate degrees. Students seeking a Master's degree in interdisciplinary studies with a primary concentration in art must submit a portfolio of original art work to the Art Department Portfolio Review Committee for approval before acceptance into the program. The interdisciplinary studies degree program is in the graduate section of this catalog. In order to establish greater understanding of specific studio media or areas of art history, courses may be repeated for credit when content varies subject to advisor's approval. Those using art as their first field in interdisciplinary studies should have a minimum of three hours in ART 5330 Advanced Studies In Art History and Criticism.

## COURSE DESCRIPTIONS

### ART (ART)

#### ART 5310 Graduate Studio Problems in Drawing and Painting

The study of the technical, formal and conceptual aspects of drawing and painting. May be repeated for credit when content varies subject to advisor's approval. Course fee required.

**ART 5311**  
**Graduate Studio Problems in Ceramics**  
A study of a variety of pottery and sculptural techniques, and the development of individual expression through the use of volume, form, space and mass. May be repeated for credit when content varies subject to advisor's approval. Course fee required.

**ART 5312**  
**Graduate Studio Problems in Printmaking**  
The study of studio printing techniques in intaglio, lithography, relief, monoprints, collograph, and multiple plate printing. May be repeated once for credit as content varies and with advisor's approval. Laboratory fee required.

**ART 5313**  
**Graduate Studio Problems in Crafts**  
A course designed to familiarize the student with arts and crafts activities for the school classroom, emphasizing the development of a working knowledge of arts and crafts materials and techniques. May be repeated for credit when content varies subject to advisor's approval. Course fee required.

**ART 5314**  
**Graduate Studio Problems in Sculpture**  
A study of a variety of sculptural techniques,

including casting, fabrication, multi-media. Development of individual expression. May be repeated once for credit when content varies and with advisor's approval. Course fee required.

#### ART 5330 Advanced Studies in Art History and Criticism

Analysis of selected areas of art history and criticism from established periods and styles of art. May be repeated for credit when content varies subject to advisor's approval. Course fee required.

**ART 5340**  
**Art in Childhood Education**  
Study of materials and approaches in creative art for teachers to aid them in developing character and personality of children through artistic activity. Course fee required.

**ART 5390**  
**Selected Topics in Art**  
Graduate studies in studio art or art history to include areas such as photography, papermaking, installation, and seminar based topics. May be repeated once when content varies, and with advisor's approval. Course fee required.

**ART 5099**  
**Independent Study**  
Independent study in specific areas of art not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.



**ART 5368, 5668****Field Experience in Art**

On-site examination of monuments of art and architecture, field investigation, archival research or studio practice involving travel away from campus. Classroom lectures, seminars or faculty supervision will complement the travel and field experiences. No more than six semester hours of travel/study courses may be applied to the major or teaching field requirements in art.

## DEPARTMENT OF HUMANITIES

The Department of Humanities offers the Master of Arts degrees in English and history, participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies, provides courses leading to an endorsement in English as a second language, and offers elective courses for students seeking other graduate degrees. The interdisciplinary studies degree program is in the graduate section of this catalog.

## ENGLISH

### MASTER OF ARTS DEGREE IN ENGLISH

The Master of Arts degree in English emphasizes instruction in grammar and history of the language, composition, English literature, American literature, and continental literature. The program is designed for teachers and others who anticipate the need for extensive knowledge of language and literature.

### ADMISSION REQUIREMENTS

- A baccalaureate degree from an accredited college or university
- A satisfactory score on the General Test of the Graduate Record Examination (GRE minimum score - 1000)  
The GRE should be completed prior to the first long semester of enrollment. Courses taken after the first long semester of enrollment will not apply toward the degree unless the student has successfully completed the GRE.
- A satisfactory grade point average on all prior advanced-level (junior, senior, and graduate) work. (Minimum GPA - 3.0)
- A minimum of 21 hours of undergraduate English courses

### COURSE REQUIREMENTS

A total of 36 semester hours of graduate work is required. No more than six semester hours of undergraduate courses approved for graduate credit may be applied to this degree. A student may transfer a maximum of 12 semester hours of graduate work in which a grade of "B" or better has been earned from approved institutions. All transfer work is subject to approval by the student's advisor. No more than six semester hours in independent study courses and six semester hours in travel/study courses may be applied to this degree.

#### OPTION I: Master of Arts in English with Thesis

A. ENGL 5300 Bibliography and Methods of Research *	3 hrs.
B. ENGL 5305 Chaucer and Middle English Literature	3 hrs.
C. One of the following	3 hrs.
ENGL 5379, History of the English Language	
ENGL 5380, Advanced Grammar and Linguistics	
ENGL 5390, Studies in Composition	
D. One of the following	3 hrs.
ENGL 5370, Studies in World Literature	
THTR 5310, Dramatic Literature: The Greeks to Ibsen	
THTR 5311, Dramatic Literature: Ibsen to Beckett	
E. American Literature	6 hrs.
F. English Literature (at least six hours in addition to ENGL 5305)	6 hrs.
G. Two additional courses, which may be in related disciplines	6 hrs.
H. ENGL 5395 Thesis	3 hrs.
I. ENGL 5396 Thesis	3 hrs.
<b>TOTAL</b>	<b>36 hrs.</b>

\*Should be taken as soon as possible upon entering the program.

#### OPTION II: Master of Arts in English Without Thesis

A. ENGL 5300 Bibliography and Methods of Research *	3 hrs.
B. ENGL 5305 Chaucer and Middle English Literature	3 hrs.
C. ENGL 5390 Studies in Composition	3 hrs.
D. One of the following	3 hrs.
ENGL 5379, History of the English Language	
ENGL 5380, Advanced Grammar and Linguistics	
E. One of the following	3 hrs.
ENGL 5370, Studies in World Literature	
THTR 5310, Dramatic Literature: The Greeks to Ibsen	
THTR 5311, Dramatic Literature: Ibsen to Beckett	
F. American Literature	6 hrs.
G. English literature (at least six hours, in addition to ENGL 5305)	6 hrs.
H. Three additional courses, two of which may be in related disciplines	9 hrs.
<b>TOTAL</b>	<b>36 hrs.</b>

\*Should be taken as soon as possible upon entering program.



**GRADUATION REQUIREMENTS**

- A. A grade point average of 3.0 in all graduate work attempted
- B. Successful completion of a written comprehensive examination
- C. Four semesters, or demonstrated reading knowledge, of a foreign language

**TIME LIMITATION**

Degree requirements for graduate programs at UT Tyler must be completed within a six-year period. This includes graduate credit transferred from another institution.

**ENDORSEMENT IN ENGLISH AS A SECOND LANGUAGE**

Courses leading to an endorsement in English as a second language are available and administered through the Department of Humanities. Endorsement requirements conform to standards proposed by the Texas Education Agency Division of Certification and are as follows:

- A. A baccalaureate degree from an accredited institution
- B. A valid Texas teaching certificate
- C. Twelve semester credit-hours of graduate course work including ENGL 5380, ENGL 5382, ENGL 5383, and ENGL 5384, and
- D. At least one year of successful classroom teaching experience in an approved program in bilingual education or English as a second language

This endorsement may be applied to the completion of degree requirements for the Master of Arts in Interdisciplinary Studies, the Master of Arts degree in English, and the Master of Education degrees in early childhood education, curriculum and instruction, reading, and special education. Students interested in the endorsement should consult the coordinator of English as a second language.

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## COURSE DESCRIPTIONS

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**ENGLISH (ENGL)****ENGL 5300**

**Bibliography and Methods of Research**  
Study of bibliographical sources and techniques of literary scholarship.

**ENGL 5305**

**Chaucer and Middle English Literature**  
A linguistic and literary study of Chaucer's major works and the works of his principal contemporaries.

**ENGL 5310**

**Masters of English Literature**  
Intensive study of one or more major En-

glish writers from Chaucer to the present. May be repeated once for credit when content changes.

**ENGL 5315**

**Studies in the English Renaissance**  
Selected writers from Chaucer to Milton.

**ENGL 5320**

**Shakespeare**  
An advanced study of Shakespeare's poems and plays.

**ENGL 5321**

**Studies in English Neoclassical Literature**

Selected writers from 1660 to 1800. Figures to be studied may include Dryden, Pope, Johnson, Swift, Goldsmith, and Fielding.

**ENGL 5323**

**Studies in Romanticism**

Selected writers from 1750 to 1850. Primary attention given to the works of the English romantics, but related works in continental and American romanticism will also be considered. May be repeated once for credit when content changes.

**ENGL 5325**

**Studies in Victorian Literature**

Selected writers from 1832 to 1900. Figures to be studied may include Dickens, Tennyson, Carlyle, Browning, Arnold, Hardy, and Yeats.

**ENGL 5330**

**English Literature: Twentieth Century**

Important works and writers of poetry, drama and prose of this period: Yeats, Eliot, Shaw, Stoppard, Pinter, Conrad, Joyce, Beckett, and Greene.

**ENGL 5340**

**Masters of American Literature**

Intensive study of one or more major American writers from the Puritans to the present. May be repeated once for credit when content changes.

**ENGL 5346**

**Studies in American Literature through the Romantic Period**

Detailed study of selected writers and literary movements from 1607 to 1865. Figures to be studied may include Edward Taylor, Franklin, Emerson, Thoreau, Hawthorne, Poe, and Melville.

**ENGL 5350**

**Studies in American Literary Realism**

Development of the realistic tradition in nineteenth-century American literature. Chief figures to be studied may include Twain, Howells and James.

**ENGL 5355**

**Studies in Twentieth-Century American Literature**

The development of American literature from 1900 to the present: Dreiser, Hemingway, Fitzgerald, Wolfe, Eliot, O'Neill, and others. May be repeated once for credit when content changes.

**ENGL 5368, 5668**

**Literary Settings and Influences**

Studies particular sites associated with works of literature, regions that influenced an author's literary development, and collections of manuscripts and other relevant artifacts. The course combines classroom experience with travel.

**ENGL 5370**

**Studies in World Literature**

Selected writers from Homer to the present, with special attention to classical and continental literature. May be repeated for credit when content changes.

**ENGL 5379**

**History of the English Language**

A study of the growth and development of English from its earliest period to the present, with emphasis on the changes in sounds, forms, sentence structure and vocabulary.

**ENGL 5380**

**Advanced Grammar and Linguistics**

English sounds and syntax in their historical setting, with special attention to modern American dialectology, and to the development of linguistic skills.

**ENGL 5381**

**Children's Literature**

Advanced study in the history and analysis of children's literature. Designed primarily for preschool, elementary and secondary teachers.

**ENGL 5382**

**Contrastive Linguistics**

Advanced comparative study of phonemic, morphological and syntactical differences between English and a sampling of other



languages represented in the public schools. It seeks to provide the prospective teacher with the opportunity to identify sources of difficulty experienced by students for whom English is a second language. Students are required to tutor a limited English-proficient student for a minimum of 15 hours. Course fee required.

**ENGL 5383****Acquisition and Development of English as a Second Language**

Advanced study of theories of language acquisition and the resulting effects on the teaching process. First and second language developmental sequences and the growing body of literature in the field will be stressed.

**ENGL 5384****Methodology of English as a Second Language**

Advanced study of the theoretical foundations of second-language instruction. Techniques for possible approaches to teaching pronunciation, grammar, reading, and writing to ESL students also will be studied. Construction and use of appropriate tests for ESL situations will be emphasized. Students are required to tutor a limited English-proficient student for a minimum of 15 hours. Course fee required.

**ENGL 5385****Literary Criticism**

Study of methods of literary analysis and of standards of literary appreciation.

**ENGL 5386****The Modern Novel**

Study of parallels in themes and techniques among modern novelists. Figures to be studied may include Proust, James, Gide, Faulkner, Conrad and Joyce.

**ENGL 5390****Studies in Composition**

A study of forms of expository prose, with particular emphasis on style and organization. Regular writing assignments.

**ENGL 5395****Thesis**

Selection of a research topic, development of a thesis plan, and initiation of directed research. Prerequisite: Consent of advisor.

**ENGL 5396****Thesis**

Completion and approval of thesis. Prerequisite: ENGL 5395 or concurrent enrollment and consent of advisor.

**ENGL 5099****Independent Study**

Independent study in specific areas of English not covered by organized graduate courses. A maximum of six credit hours for independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

# HISTORY

## MASTER OF ARTS DEGREE IN HISTORY

The Master of Arts degree in history emphasizes instruction in the following areas: (1) Europe to 1789 (2) Europe since 1789 (3) America to 1877 and (4) America since 1877. The program is designed for students wishing to pursue graduate study in history. It may also serve those who wish to pursue elementary, secondary, or junior-college teaching careers.

## ADMISSION REQUIREMENTS

- A. A baccalaureate degree from an accredited college or university
- B. A satisfactory score on the General Test of the Graduate Record Examination (GRE minimum score -1000)  
The GRE should be completed prior to the first long semester of enrollment. Courses taken after the first long semester of enrollment will not apply toward the degree unless the student has successfully completed the GRE.
- C. A satisfactory grade point average on all prior advanced-level (junior, senior, and graduate) work (Minimum GPA - 3.0)
- D. A minimum of 12 hours of advanced undergraduate history courses
- E. Completion of the appropriate application prepared by the Department of Humanities

## COURSE REQUIREMENTS

A total of 36 semester hours of graduate work is required. No more than six semester hours of undergraduate courses approved for graduate credit may be applied to this degree. A student may transfer a maximum of six semester hours of graduate work in which a grade of "B" or better has been earned from approved institutions. All transfer work is subject to approval by the student's advisor. No more than six semester hours in independent study courses and six semester hours in travel/study courses may be applied to this degree.

### OPTION I: Master of Arts Degree in History (with foreign language and thesis)

- |                                     |         |
|-------------------------------------|---------|
| A. Reading seminars                 | 12 hrs. |
| one in each of the following areas: |         |
| 1. Europe to 1789                   |         |
| From HIST 5352, 5353, 5356          |         |
| 2. Europe since 1789                |         |
| From HIST 5357, 5358, 5359          |         |
| 3. America to 1877                  |         |
| From HIST 5384, 5385, 5386          |         |
| 4. America since 1877               |         |
| From HIST 5387, 5388, 5389          |         |



- B. Research seminars 6 hrs.  
 one of the following:  
 HIST 5310 Seminar in History (European topic only)  
 HIST 5330 Seminar in European History  
 one of the following:  
 HIST 5310 Seminar in History (American topic only)  
 HIST 5320 Seminar in State and Local History  
 HIST 5340 Seminar in American History
- C. Historiography 3 hrs.  
 HIST 5394
- D. History Electives 9 hrs.
- E. Thesis 6 hrs.  
 HIST 5395  
 HIST 5396

TOTAL 36 hrs.

**OPTION II: Master of Arts Degree in History (Without Foreign Language or Thesis)**

- A. Reading seminars 12 hrs.  
 one in each of the following areas:  
 1. Europe to 1789  
 From HIST 5352, 5353, 5356  
 2. Europe since 1789  
 From HIST 5357, 5358, 5359  
 3. America to 1877  
 From HIST 5384, 5385, 5386  
 4. America since 1877  
 from HIST 5387, 5388, 5389
- B. Research seminars 12 hrs.  
 at least one of the following:  
 HIST 5310 Seminar in History (European topic only)  
 HIST 5330 Seminar in European History  
 at least one of the following:  
 HIST 5310 Seminar in History (American topic only)  
 HIST 5320 Seminar in State and Local History  
 HIST 5340 Seminar in American History
- C. Historiography 3 hrs.  
 HIST 5394
- D. History electives 9 hrs.

TOTAL 36 hrs.

**GRADUATION REQUIREMENTS**

- A. A grade point average of 3.0 in all graduate history work attempted  
 B. Successful completion of a written comprehensive examination  
 C. Four semesters, or demonstrated reading knowledge, of a foreign language (Option 1 only)

**TIME LIMITATION**

Degree requirements for graduate programs at UT Tyler must be completed within a six-year period. This includes graduate credit transferred from another institution.

**COURSE DESCRIPTIONS****HISTORY (HIST)****HIST 5310****Seminar in History**

Research and writing in selected areas of history. May be repeated for credit when content changes. Course fee required.

**HIST 5320****Seminar in State and Local History**

Seeks to provide opportunities to build an appreciation for significant state and local history and to utilize the wealth of raw material and research data available close at hand. Publication of materials produced through scholarly journals is a primary goal. Course fee required.

**HIST 5330****Seminar in European History**

Research and writing in selected areas of European history. May be repeated for credit when content changes. Course fee required.

**HIST 5340****Seminar in American History**

Research and writing in selected areas of American history. May be repeated for credit when content changes. Course fee required.

**HIST 5352****Renaissance Europe**

In-depth study of literature in Renaissance European history. Course fee required.

**HIST 5353****Reformation Europe**

In-depth study of literature in Reformation European history. Course fee required.

**HIST 5356****Early Modern Europe**

In-depth study of literature in seventeenth- and eighteenth-century Europe. Course fee required.

**HIST 5357****Revolutionary Europe**

In-depth study of literature in European history of the late eighteenth century to 1815. Course fee required.

**HIST 5358****Nineteenth-Century Europe**

In-depth study of literature in European history of the nineteenth century, 1815-1914. Course fee required.

**HIST 5359****Twentieth-Century Europe**

In-depth study of literature in European history of the twentieth century, 1914-present. Course fee required.

**HIST 5368, 5668****Field Experience in History**

Provides the graduate student with opportunities to study historical sites and museums, use archival records, and conduct field research on a given topic which includes some travel. Classroom experiences employing the lecture and seminar methods complement the field experience.



**HIST 5371****Public History**

Examines various aspects of the "non-teaching" historian's trade and alternate career paths. Offers an opportunity to become acquainted with editorial work, museology, archival work, historical preservation, and government services. Course fee required.

**HIST 5372****Public History Internship**

Internship with public and private agencies in the East Texas region. Prerequisite: Consent of instructor.

**HIST 5384****Colonial America**

In-depth study of literature in American history from 1607 to 1763. Course fee required.

**HIST 5385****The American Formative Period**

In-depth study of literature in American history from 1763 to 1844. Course fee required.

**HIST 5386****The American Middle Period**

In-depth study of literature in American history from 1845 to 1877. Course fee required.

**HIST 5387****Industrial and Progressive America**

In-depth study of literature in American history from 1877 to 1917. Course fee required.

**HIST 5388****America During the World Wars**

In-depth study of literature in American history from 1917 to 1945. Course fee required.

**HIST 5389****America Since 1945**

In-depth study of literature in American history since 1945. Course fee required.

**HIST 5394****Historiography**

Analyzes historical writing and the philosophy of history. Considers the works of important historians and schools of thought since Herodotus. Course fee required.

**HIST 5395****Thesis**

Selection of a research topic and development of a thesis plan. Prerequisite: Consent of advisor.

**HIST 5396****Thesis**

Completion and approval of thesis. Prerequisite: HIST 5395 or concurrent enrollment and consent of advisor.

**HIST 5397****Topics in History**

In-depth study of literature in selected areas of history. May be repeated for credit when content changes. Course fee required.

**HIST 5099****Independent Study**

Independent study in specific areas of history not covered by organized graduate classes. A maximum of six credit hours may be applied toward a graduate degree. Prerequisite: Consent of instructor.

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## OTHER COURSE DESCRIPTIONS

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Although UT Tyler does not offer graduate degrees in philosophy or Spanish, the following courses are offered as electives for students seeking graduate degrees in other disciplines.

## PHILOSOPHY (PHIL)

**PHIL 5320****Studies In Ancient and Medieval Philosophy**

A study of selected philosophers from the Greeks to the Renaissance philosophers: Plato, Aristotle, St. Augustine, St. Thomas Aquinas, and others. May be repeated once for credit when content changes. Course fee required.

**PHIL 5325****Studies In Modern Philosophy**

A study of selected philosophers from the Renaissance to the present: Descartes, Hume, Kant, Hegel, Nietzsche, Dewey, and Wittgenstein. May be repeated once for credit when content changes. Course fee required.

**PHIL 5327****Contemporary Ethical Issues**

A study of some of the most critical ethical issues of the twentieth century such as abortion, euthanasia, and racism and the theoretical foundations on which they rest. Course fee required.

**PHIL 5099****Independent Study**

Independent study in specific areas of philosophy not covered by organized graduate courses. A maximum of six credit hours for independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

## SPANISH (SPAN)

**SPAN 5368, 5668****Field Study in Spanish**

Provides the students with the opportunity for total immersion in the language and the culture by studying in a Spanish speaking country. Students will have the opportunity to study historical sites and museums, conduct field research on a given topic which includes some travel and to live with a Hispanic family. Course fee required.

The following courses may be taken for graduate credit with consent of advisor:

- SPAN 3345 Introduction to Hispanic Literature
- SPAN 3350 Spanish Literature Before 1700
- SPAN 3355 Spanish Literature Since 1700
- SPAN 4310 Advanced Grammar
- SPAN 4312 Phonetics and Phonemics
- SPAN 4331 Hispanic Culture and Civilization
- SPAN 4360 Special Studies in Spanish Literature and Language
- SPAN 4364 Colonial Latin-American Literature
- SPAN 4365 Modern Latin-American Literature
- SPAN 4375 Methods of Teaching Modern Languages in Secondary Schools
- SPAN 4380 Topics in Spanish
- SPAN 4385 Spanish for Oral Proficiency
- SPAN 4099 Independent Study



## DEPARTMENT OF MUSIC

The Department of Music participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies and offers elective courses for students seeking other graduate degrees. The Interdisciplinary Studies degree program is in the graduate section of this catalog. Students seeking a Master's degree in interdisciplinary studies with music as a primary concentration should have a minimum of 12 hours upper-division or graduate courses in music. For unqualified admission to the program, all students must meet all requirements for admission to graduate school, perform an entrance audition on their principal performing medium before a faculty committee or submit a portfolio of compositions, and demonstrate proficiency through departmental entrance/advisory exams.

### COURSE DESCRIPTIONS

#### MUSIC (MUSI)

##### MUSI 5140 Band

Open to students who have had prior instrumental experience. Audition with director required. Instrumental literature from the Renaissance to the present. May be repeated once for credit. Course fee required

##### MUSI 5145 Choir

Open to any student who is interested in singing, although a conference with the director is necessary prior to enrollment. Includes a general survey of choral literature from the Renaissance to the present. May be repeated once for credit. Course fee required

##### MUSI 5325 History of Choral Music

An analysis of the evolution of choral music through a study of the major choral literature from Ockeghem to the present.

##### MUSI 5330 Studies in Music History, Literature, and Theory

Selected topics from one or more areas of

music history, literature and theory. May be repeated three times for credit when content changes. Prerequisite: Consent of department chair.

##### MUSI 5335 Studies in Keyboard Pedagogy

Study of one or more topics in pedagogy as applied to instruments of the keyboard family. May be repeated three times for credit when content changes. Prerequisite: Consent of department chair.

##### MUSI 5099 Independent Study

Independent study in specific areas of music not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor:

- |           |                                       |
|-----------|---------------------------------------|
| MUSI 4320 | Piano Literature                      |
| MUSI 3314 | Advanced Conducting and Score Reading |
| MUSI 3340 | Marching Band Procedures.             |

#### MUSIC APPLIED (MUSA)

See undergraduate section, School of Liberal Arts, Department of Music for MUSA (applied music) course numbers, course fees and requirements.

#### MUSIC EDUCATION (MUED)

##### MUED 5311 Problems in Music Education

Study of one or more problems in music. Problems chosen may not duplicate the scope of another course offered for credit. Prerequisite: Consent of instructor.

##### MUED 5312 Concepts of Music Education

Concepts of philosophy, psychology and administration of music instruction to aid in developing school music programs.

##### MUED 5313 Seminar in Music: Elementary Education

Problems in public school music, materials, curriculum, supervision, and administration of music instruction to aid in developing school music programs. May be repeated twice for credit when content changes. Prerequisite: Consent of department chair.

##### MUED 5314 Seminar in Music: Secondary Education

Investigation of specific topics as determined by the professor and the class. Topics chosen will pertain to current trends in Music Education and/or specific interests of the class. May be repeated twice when content changes. Prerequisite: Consent of department chair.

##### MUED 5315 Curriculum Construction and Studies in Music Education

Investigation of music curricula and content

in secondary schools and institutions of higher learning. Historical perspective and accreditation procedures.

##### MUED 5321 Music in Early Childhood Education

New approaches and materials in music instruction for teachers in early childhood education.

##### MUED 5350 Guitar For the Classroom Teacher

This course is primarily intended to provide classroom teachers with methods and materials in integrating the guitar into the various areas of the academic curriculum. An example of this is the use of the guitar in performing folk songs when studying people of a given area.

##### MUED 5099 Independent Study

Independent study in specific areas of music education not covered by organized graduate courses. A maximum of six credit hours for independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.



## DEPARTMENT OF SOCIAL SCIENCES

The Department of Social Sciences offers the Master of Public Administration degree, participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies, and offers elective courses for students seeking other graduate degrees. The Interdisciplinary Studies degree program is in the graduate section of this catalog.

### MASTER OF PUBLIC ADMINISTRATION

The Master of Public Administration degree is a professional course of study for persons in, or preparing for, mid-level or upper-level management positions in public and nonprofit organizations. The program emphasizes the theoretical, practical, and analytical abilities required of persons holding responsible public positions. Centered in the Department of Social Sciences, it also permits the incorporation of specialized fields of interest such as general administration, criminal justice, urban and regional planning, research and evaluation, and environmental management.

#### Admission Requirements

In addition to the general requirements for admission to graduate study, the requirements for admission to the public administration program include: \* a satisfactory score on the verbal and quantitative sections of the Graduate Record Examination (GRE), and a satisfactory grade point average on the last 60 credit hours of coursework taken. The entry threshold is an aggregate score of 1200 calculated as follows:

GRE verbal + GRE quantitative + (GPA x 100) = satisfactory performance (GPA = 3.0 minimum) in at least 12 hours of advanced undergraduate and/or graduate courses in the social sciences.

#### Transfer of Credit

A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Such credit will be accepted for the degree program only if approved by the admissions committee, and the graduate coordinator.

#### Degree Requirements

Each candidate for the degree must satisfactorily complete 36 hours of course work as indicated:

- A. core curriculum (21 hours required):
  - PADM 5330 Survey of Public Administration
  - PADM 5331 Information Systems in Public Administration
  - PADM 5332 Public Budgeting and Finance
  - PADM 5336 Administrative Ethics
  - PADM 5337 Administrative Law
  - PADM 5350 Seminar in Human Resources Management

#### PADM 5396 Research Methods

- B. area of concentration (at least 9 hours)

The MPA program offers 5 areas of concentration: general administration, criminal justice, urban and regional planning, research and evaluation, and environmental management. Depending on the area of concentration, up to 12 hours of restricted electives may be required.

- C. Electives (3 to 6 hours) are to be chosen with the consent of Graduate Coordinator to strengthen students' programs and might emphasize either substantive content or skill development. Students without previous agency experience may elect to take an additional 6 hours of internship. Internship credit must be in addition to the 36 hour degree requirement.

### Graduation Requirements

All candidates for the master of public administration degree must also meet the following requirements:

- A. A cumulative grade point average of 3.0 (4.0 basis) on all work taken for graduate credit. No course with a grade below "C" may be applied toward this degree.
- B. Satisfactory performance on a comprehensive written or oral examination, to be taken during the student's last semester of enrollment, over the work covered in his degree program. Any student who fails the comprehensive examination may, upon recommendation of the Graduate Coordinator, be granted permission to take a second examination. Upon failing the second examination, the student will be dropped from the program.

## COURSE DESCRIPTIONS

### ANTHROPOLOGY (ANTH)

#### ANTH 5310

##### Anthropology of Politics

Studies politics historically and comparatively within the wider context of culture. Examines how power and authority are distributed in various societies, and what cultural factors determine differences among them. Universal forms of political behavior across cultures will also be considered. Prerequisite: Twelve hours of advanced social science courses. Course fee required.

### CRIMINAL JUSTICE (CRIJ)

#### CRIJ 5301

##### Concepts of Law and Justice

A critical analysis of the concepts of law and justice in democratic societies and their implications for policy formulation and system evaluations. Some comparative analysis of systems foreign to the United States. Course fee required



**CRIJ 5302****Judicial Policy and Social Process**

Explores the important role of the judiciary in making public policy and resolving competing societal and individual concerns. Examines the manner in which courts have adjudicated some of today's most controversial issues, including capital punishment, abortion, and pornography. Demonstrates how criminal law affects the rights and aspirations of minorities, the poor, and juveniles. Course fee required

**CRIJ 5303****Contemporary Criminological Theory**

Examines the role of theory in criminology and reviews major theories of crime causation. Emphasis will be on applying these theories to contemporary criminal justice practices. Course fee required

**CRIJ 5307****Criminal Justice Policy**

Examines policy within the criminal justice system from the standpoint of process, decision-making, and goal-setting. Emphasis is on policy origin issues concerning rationalism, incrementalism, elitism, game theory, and power group competitions. Course fee required

**CRIJ 5310****Topics in Criminal Justice**

Study of current significant and controversial issues which affect the criminal justice system. Course fee required

**CRIJ 5099****Independent Study**

Independent study in specific areas of criminal justice not covered by organized graduate courses. Prerequisite: Consent of department chair.

**ECONOMICS (ECON)****ECON 5300****Economic Concepts and Processes**

Elements of production costs, demand and market structures as well as income determination and monetary and fiscal policy. Will satisfy prerequisites calling for six hours of Principles of Economics. An introduction to economics for those without credit for Principles of Economics or who need a stronger background in Principles. Course fee required.

**ECON 5310****International Economics**

Review of trade statements, systems for regulating balance of payments and currency exchange rate mechanisms. The nature and implication of foreign investment, trade barriers, and productivity are also considered. Prerequisite: Six hours of principles of economics. Course fee required.

**ECON 5320****Advanced Economic Analysis**

Application of economic decision models to problems encountered by business firms. Prerequisite: Six hours of Principles of Economics. Course fee required.

**ECON 5330****Central Banking and Monetary Policy**

Considers the nature of and the role played by central banks around the world. History and development of the Federal Reserve and its effectiveness are reviewed. Case studies in crisis management by central banks are examined. Prerequisite: Six hours of principles of economics. Course fee required.

**ECON 5340****Economics of Public Policy**

An analysis of current economic policy and its influence on output, employment, prices, and economic growth. Prerequisite: Six hours of Principles of Economics. Course fee required.

**ECON 5660****Fundamentals of the Free Enterprise System**

A study of the American free enterprise system. Includes an analysis of the role of free markets in the determination of prices and the allocation of resources, the profit motive, competition, and the interdependence of business, labor and government in the American economy. May not be taken for credit by candidates for the MBA degree or the master's degree in interdisciplinary studies. (Summer only) Course fee required.

**ECON 5661****Current Topics in Free Enterprise**

A study of current events which pertain to the national economy and the relationship of those events to the fundamental principles underlying the philosophy of free enterprise. May not be taken for credit by candidates for the MBA degree or the master's degree in interdisciplinary studies. (Summer only) Course fee required.

**ECON 5099****Independent Study**

Independent study in specific areas of economics not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied to a graduate degree. Prerequisite: Consent of the economics advisor. Course fee required.

**GEOGRAPHY (GEOG)**

The following course may be taken for graduate credit with consent of advisor:

GEOG 4330 Geographic Information Systems

**POLITICAL SCIENCE (POLS)****POLS 5310****Seminar in Political Science**

Literature review of major theoretical approaches and findings in political science. Course fee required

**POLS 5320****Topics in American Government**

Research in selected aspects of American government and politics. May be repeated once for credit when content changes. Course fee required

**POLS 5325****Topics in Texas Government**

Research in selected aspects of Texas government and politics. May be repeated once for credit when content changes. Course fee required

**POLS 5330****Topics in Comparative Politics**

Research in selected areas of comparative politics, including area studies and comparative political theories. May be repeated once for credit when content changes.

**POLS 5340****Topics in International Politics**

Research in selected aspects of international politics, law, and organization. May be repeated once for credit when content changes. Course fee required

**POLS 5350****Topics in Political Theory**

Research in selected aspects of political theory. May be repeated once for credit when content changes. Course fee required

**POLS 5099****Independent Study**

Independent study in specific areas of political science not covered by organized graduate courses. A maximum of six credit hours may be applied toward a graduate degree. Prerequisite: Consent of instructor.



The following courses may be taken for graduate credit with the consent of the department chair:

POLS 4370  
& 4371 Internship Program

## PUBLIC ADMINISTRATION (PADM)

### PADM 5330

#### Survey of Public Administration

Focuses on the special challenges facing public agencies and administrators. This course emphasizes issues surrounding agency relations with outside constituencies, responsibility and accountability in public management and administrative ethics. Intended to be taken early in the student's degree program. Course fee required.

### PADM 5331

#### Information Systems in Public Administration

Studies concepts, structures, and applications relevant to information technology and public administration. The focus of the course is on integrating material from the technical and managerial fields to improve the processing of information for decision-making in public administration. Prerequisite: Social sciences research methods course. Course fee required.

### PADM 5332

#### Public Budgeting and Finance

The processes and policies used to allocate limited public resources; special attention given to contemporary budgetary approaches and to methods of evaluation. The managerial role in providing fiscal accountability and control is emphasized. Course fee required.

### PADM 5335

#### Topics in Policy Analysis

Research in selected aspects of policy analysis including policy formulation, implementation, and evaluation. May be repeated

once for credit when content changes with consent of the graduate coordinator.

### PADM 5336

#### Administrative Ethics

A study of ethical issues facing public administrators. Issues include the development of value systems, the nature of public duty, the formulation of value-based decision making strategies, the importance of professional ethical standards, the dangers of public corruption, and the unique problems facing criminal justice managers. Course fee required.

### PADM 5337

#### Administrative Law

Examines the exercise and control of administrative action. The focus of the course is on how administrative power is exercised through rule making and adjudication and controlled by the legislative, executive and judicial branches of government. Course fee required.

### PADM 5338

#### Program Evaluation

Study of the role and methods of program evaluation. Topics include identification of program goals, research design, measurement, data collection, data analysis, and the consequences of program evaluation. Prerequisite: PADM 5396. Course fee required.

### PADM 5339

#### Urban and Regional Planning

Analysis of planning theories and techniques used in shaping the urban environment. Topics include long-range, comprehensive planning; neighborhood adaptations and the environment; planning for rural development and economically depressed regions; and planning for housing, transportation and community facility programs. Course fee required.

### PADM 5341

#### Mineral and Energy Resources Management

Origin, distribution, and supply of mineral and energy resources, rates of consumption and projected lifetimes of resources, conservation, environmental impact, and alternative sources of materials and energy.

### PADM 5342

#### Water Management

Analysis of rainfall data, surface and groundwater storage, runoff processes, calculation and control of flood hazards. The legal, economic, and environmental aspects of floodplain management, water supply, demand and quality.

### PADM 5350

#### Seminar in Human Resources Management

(Same as MANA 5350)

Advanced study of public and private personnel management with special emphasis on current topics in the field. Focuses on the technical and legal issues confronting human resource management: employee selection, training, appraisal, compensation, and labor-management relations.

### PADM 5380

#### Topics in Public Administration

Studies in selected aspects of public administration. May be repeated once for credit when content changes with consent of graduate coordinator.

### PADM 5396

#### Research Methods

Focuses on research design and methods as they are employed in administrative settings. Included among the topic areas are sampling, hypothesis testing and estimation, quantitative data analysis and measures of association. Prerequisite: 3 hours of upper-level research methods and consent of the graduate coordinator. Course fee required.

### PADM 5397

#### Advanced Social Science Analysis

Examines common methods of data analysis and presentation with attention to computerized applications. Emphasis on the application of statistics in social science research. Prerequisite: PADM 5396.

## SOCIOLOGY (SOCI)

### SOCI 5302

#### Seminar in Deviance

Presents and evaluates functional, conflict, labeling, and other social theories of deviance. Course fee required

### SOCI 5307

#### Seminar in Metropolitan Problems

In-depth study of the conditions underlying major social problems in big cities. Also an examination of many current metropolitan problems such as transportation and housing. Course fee required

### SOCI 5321

#### Intercultural Studies

A cross-cultural analysis of dominant-minority relations. Ethnic relations in both the United States and other countries will be examined. Course fee required

### SOCI 5325

#### Topics in Social Problems

Studies in social problems. Up to six semester hours may be applied to a degree. No topics may be repeated. Course fee required.

### SOCI 5341

#### Seminar in Marriage and the Family

Mate selection, marriage, family types and alternate life styles are related to sex ratios, ethnicity and social class. Living arrangements and child bearing patterns are related to child well-being. Various mate selection methods are described. Course fee required



**SOCI 5380****Seminar In Sociological Theory**

In-depth analysis of selected nineteenth and twentieth century sociological theories. Course fee required

**SOCI 5385****Studies In Demography**

Examines demographic theory and methods in the context of historical and current population problems. The major focus is on the United States, especially local and regional population issues. Students are guided in a practical study using the census and other demographic sources. Course fee required

**SOCI 5390****Energy and Society**

Studies energy as a necessary factor in determining where we work, where we live and what we do. The use of energy to maximize human resources is presented with regional and interdisciplinary emphases. Course fee required

**SOCI 5397****Studies In Applied Sociology**

Focuses on the practical application of sociological theories, methods, and research relevant to social planning, community organization/development, and patterns of adjustment to social change. Course fee required

**SOCI 5099****Independent Study**

Independent study in specific areas of sociology not covered by organized graduate courses. A maximum of six credit hours may be applied toward a graduate degree. Pre requisite: Consent of instructor.

The following courses may be taken for graduate credit with consent of the department chair:

SOCI 4370, 4371 Internship Program

## DEPARTMENT OF THEATRE AND COMMUNICATION

The Department of Theatre and Communication participates in the Master of Arts and Master of Science degree programs in interdisciplinary studies and offers elective courses for students seeking other graduate degrees. Within the Department of Theatre and Communication, journalism, speech communication and theatre may be chosen as one of the three required disciplines. The Interdisciplinary Studies degree program is described in the graduate section of this catalog.

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### COURSE DESCRIPTIONS

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#### JOURNALISM (JOUR)

**JOUR 5301****The Literature of Journalism**

A survey of the literature. Students will read general and specialized literature as a basis for group discussion. Course fee required.

**JOUR 5303****Public Opinion and Propaganda**

Study of propaganda theory and methods. Emphasis on opinion-making processes in governments, political parties, pressure groups, and the mass media. Critical examination and synthesis of past and ongoing research on propaganda. Course fee required

**JOUR 5305****Theories of Mass Communication**

A study of the theories of mass communication. Emphasis will be placed on understanding the process and effects of the mass media. Course fee required.

**JOUR 5307****Research Methods**

Study of tools, techniques and designs of research used to investigate the control, content, audience, and effects of mass media. Course fee required.

**JOUR 5310****Problems In Photographic Communication**

Study of the theory and literature of photography; application of photographic techniques to a variety of communication problems. May be repeated once for credit with consent of instructor. Course fee required.

**JOUR 5315****Mass Media and Popular Culture**

An examination of popular culture with emphasis on the role of television, film, and magazines in transmitting symbols and images. Course fee required.

**JOUR 5329****Topics in Mass Communication**

An analysis of selected mass communication problems with emphasis on current ideas and literature. May be repeated once for credit when content changes. Course fee required.

**JOUR 5099****Independent Study**

Independent study in specific areas of journalism not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of advisor.



The following courses may be taken for graduate credit with consent of advisor:

- JOUR 4335 Business and Industrial Publications  
JOUR 4350 World Communication Systems.

## SPEECH COMMUNICATION (SPCM)

### SPCM 5325

#### Public Communication

An analysis of the complexities of public communication, the essential nature of human speech, its resources and problems. This course is intended for students who are interested in public address and persuasion. Course fee required.

### SPCM 5328

#### Leadership and the Group Process

Involves the student in a definition of leadership and its role within the processes of small groups. It is a theoretical study of communication networks, human motivation, conflict reduction, and the introduction of social change. Course fee required.

### SPCM 5329

#### Topics in Communication Theory

An analysis of major communication theories with an emphasis on current ideas and literature. May be repeated once for credit when content changes. Course fee required.

### SPCM 5330

#### Gender and Communication

A study of female and male communicative behaviors and their impact on various communication contexts including male/female intimacy, the family, group and the business world. Course fee required.

### SPCM 5335

#### Seminar in Organizational Communication

A critical look at the role of communication in formal organizations, both public and pri-

vate. Emphasis on a review of literature and field research in selected communication problems. Course fee required.

### SPCM 5340

#### Seminar in Intercultural Communication

Designed to provide the student with the opportunity to acquire theoretical guidelines and experiential applications in the study of human communication across cultures including intercommunity, international, and world communications. Course fee required.

### SPCM 5350

#### Non-verbal Communication

A study of the effects on the total communication process of space and territory, physical appearance, bodily movement, touching, the face and eyes, and paralanguage. Course fee required.

### SPCM 5351

#### Freedom and Responsibility of Speech Communication

An examination of issues and cases in freedom of speech with particular application to ethics in speech communication. The nature and function of public communication, the challenges to freedom of speech, and the ethics of communication are explored. Course fee required.

### SPCM 5099

#### Independent Study

Independent study in specific areas of speech communication not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

## THEATRE (THTR)

### THTR 5110

#### Studio Practicum

Examination and analysis of a specific dramatic genre, style or historic period as it relates to the art of the actor, and director. Participation in practical performance and production projects. Course subject matter coordinated with the repertory of the University Theatre. Prerequisite: Open only to members of the Production Company or by consent of the director of theatre. May be repeated three times for credit.

### THTR 5142

#### Modern Acting Styles and Theories

Advanced lecture and performance course to develop the process of analysis, creation and performance of dramatic characters as required by theatre, film, and television. Prerequisite: Two undergraduate courses in acting or equivalent experience and consent of instructor.

### THTR 5310

#### Theatre History: The Greeks to Ibsen

A study of the development of dramatic literature from the classical foundations to the beginning of realism. Course fee required.

### THTR 5311

#### Theatre History: Ibsen to Beckett

A study of the development of dramatic literature in the European theatre from the beginning of realism to the present. Course fee required.

### THTR 5320

#### Theories of Drama: Comedy and Tragedy

An examination of the major dramatic theories concerning comedy and tragedy with examples taken from selected plays and playwrights. Course fee required.

### THTR 5321

#### Creative Dramatics: An Art for Children

Theory and practice in creative dramatics techniques for parents, teachers and leaders of children in any capacity to aid them

in developing character and personality of children through the dramatic experience in creative group activity. Course fee required.

### THTR 5329

#### Topics in Drama

A study of selected drama topics with emphasis on current ideas and literature. May be repeated once for credit when content changes. Course fee required.

### THTR 5099

#### Independent Study

Independent study in specific areas of drama not covered by organized graduate courses. A maximum of six credit hours for independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor.

- THTR 3351 Theatre Activities  
THTR 4360 Directing the Theatre I  
THTR 4361 Directing the Theatre II  
THTR 4365 Theory and Practice of Playwriting



## SCHOOL OF SCIENCES AND MATHEMATICS

Lynn Sherrod, dean

The School of Sciences and Mathematics offers the Master of Science in Biology, the Master of Science in Computer Science, the Master of Science in Mathematics, and participates in the Master of Arts and Master of Science programs in Interdisciplinary Studies.

### MASTER OF ARTS AND MASTER OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES

The Master of Arts and the Master of Science degrees in interdisciplinary studies emphasize study in a wider range of fields than is normally possible in a program with a traditional major. The student's background and goals are considered in the design of the individual degree plan.

A student may choose mathematics as one of the three required disciplines for the Master of Arts. Biology, chemistry, computer science or mathematics may be chosen as one of the three required disciplines for the Master of Science. See the Interdisciplinary Studies degree program section of this catalog for the degree requirements for the interdisciplinary studies degree.

### MASTER OF SCIENCE IN BIOLOGY

The Department of Biology offers graduate studies leading to the degree of master of science in biology and master of science in interdisciplinary studies with an emphasis in biology. These programs are designed to provide graduate education for students who intend to pursue vocations in industry, government, teaching, and further graduate education leading to the doctorate. The master of science program provides course work with an emphasis in the following areas: 1) genetics, 2) biochemistry, 3) ecology, 4) cell biology, 5) microbiology, and 6) formal research with thesis. This program is designed for students preparing for careers requiring analytical, research, and problem solving skills. The master of science program in interdisciplinary studies with an emphasis in biology is a non-thesis program. For the interdisciplinary studies degree program, consult that section in this catalog.

#### Admission Requirements

In addition to the general requirements for admission to graduate study, the requirements for admission to the master of science program in biology are as follows:

- A. A satisfactory score on the General Test (verbal, quantitative, and analytical) of the Graduate Record Examination (GRE)

- B. A satisfactory score on the Biology Subject Test of the GRE
- C. A satisfactory grade point average on all prior advanced (junior, senior, and graduate) work taken
- D. The equivalent of bachelor's degree in science with a major in biology from The University of Texas at Tyler
- E. A proficiency in the use of the English language  
If a student's verbal score on the General Test of the GRE is below an acceptable minimum, the student must pass an English proficiency test.
- F. Approval by departmental chair

#### Transfer of Credit

A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Transfer credit is subject to the approval of the student's graduate advisory committee and departmental chair.

#### Degree Requirements

Each candidate for the degree must complete:

- A. a minimum of 36 semester hours of graduate credit including six hours thesis (BIOL 5395, BIOL 5396) or independent study (5099).
- B. a core curriculum of BIOL 5192, BIOL 5193, BIOL 5362, BIOL 5384 and BIOL 5185, BIOL 5390 and BIOL 5191.

#### Graduation Requirements

Candidates for the master's degree in biology must also meet the following requirements:

- A. a minimum grade point average of 3.0 on all course work. Only grades of "B" or better can be applied towards the degree.
- B. satisfactory performance on a final comprehensive oral and/or written examination covering the core courses, thesis, and other academic or laboratory components of the student's program selected by the student in conjunction with the graduate advisory committee.

### MASTER OF SCIENCE DEGREE IN COMPUTER SCIENCE

The Master of Science in computer science offers individuals an opportunity to become more competent and productive in a variety of computing environments as computer science professionals and to prepare for further graduate study. The program is oriented toward the design, implementation and application of computer software. The program includes study in the various types of software such as compilers, operating systems, data-base systems and real-time systems. The department gives special emphasis to topics related to fine-tuning computing software.

The program is designed for graduates of computer science programs as well as baccalaureate graduates in other disciplines. Preparation in computer science will determine the point at which the student will enter this program.



## Admission Requirements

In addition to the general requirements for admission to graduate study, the requirements for admission to the computer science program are as follows:

- A satisfactory score on the General Test of the Graduate Record Examination (GRE),
- A satisfactory grade point average on all prior advanced-level (junior, senior, and graduate) work taken,
- A proficiency in the use of the English language. If a student's verbal score on the General Test of the GRE is below an acceptable minimum, the student must pass an English proficiency test,
- An undergraduate major in computer science or course work in computer science including the content of COSC 4321 and COSC 4430, or equivalent.
- Approval by the departmental chair

## Transfer of Credit

A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Transfer credit is subject to the approval of the student's advisor and departmental chair.

## Degree Requirements

The 12 semester hour core course requirement for the Master of Science in Computer Science is as follows:

- COSC 5330 Operating Systems
- COSC 5340 Programming Languages
- COSC 5350 Data Communication and Networks
- COSC 5360 Database Design

Candidates for the Master of Science in computer science must satisfactorily complete one of the following options:

- M.S. with thesis: 36 hours of graduate level course work in computer science including core courses and thesis (6 hours),
- M.S. without thesis: 36 hours of graduate-level course work in computer science including core courses and COSC 5380, Research Methods

All candidates for the computer science degree must also meet the following requirements:

- A minimum grade point average of 3.0 on all graduate level work taken at UT Tyler. No course with a grade below "C" may be applied toward this degree.
- Satisfactory performance on a comprehensive written examination is required. If the student is not passed on the first testing, then he or she will have a second opportunity to take the examination after completing any remedial preparatory work required by the exam committee. Failure to pass the comprehensive examination a second time will result in termination of the student from the master's program.
- Students must complete each core course (COSC 5330, 5340, 5350, and 5360) with a grade of "B" or better.
- To be Admitted to Candidacy, a student must meet conditions in "C" above and have satisfactorily completed the following courses or their equivalents: COSC 3302, 3340, 3365, 4321, 4430, MATH 3330, 3353, and 6 hours of calculus.
- Admission to Candidacy is a requirement for any student to register for COSC 5380 or COSC 5395/5396.

- Admission to Candidacy is a requirement for any student to be permitted to take the comprehensive examination.
- All COSC 5380 and COSC 5395/5396 students will have a committee composed of their advisor plus two additional COSC faculty members.

## Extended Computer Access Fee

An extended computer access fee will be required of all students enrolling for computer science courses at UT Tyler. The fee is \$40.00 per computer science course in addition to the basic computer access fee which is required of all students at UT Tyler each semester.

## MASTER OF SCIENCE IN MATHEMATICS

The Master of Science in mathematics program is designed to provide a graduate level education for students who intend to teach at various levels, students who will continue or seek employment within the industrial sector, and students who intend to continue their education beyond the master's level at other institutions.

## Admission Requirements

In addition to the general requirements for admission to graduate study, the requirements for admission to the mathematics programs are as follows:

- A satisfactory score on the General Test of the Graduate Record Examination (GRE)
- A satisfactory grade point average on all prior advanced level (junior, senior, and graduate) work taken
- A proficiency in the use of the English language  
If a student's verbal score on the General Test of the GRE is below an acceptable minimum, the student must pass an English proficiency test.
- The equivalent of an undergraduate degree in Mathematics at this institution. Must meet deficiencies before final admission is granted.
- Approval by departmental chair

## Transfer of Credit

A student may transfer a maximum of 12 semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Transfer credit is subject to the approval of the student's advisor and departmental chair.

## Degree Requirements

Each candidate for the degree must complete:

- A minimum of 36 semester hours of graduate credit which may include a research project or thesis
- A core curriculum of MATH 5331, MATH 5341, MATH 5351, and MATH 5381
- Two graduate level sequences chosen from MATH 5331-32, MATH 5341-42, MATH 5351-52, or MATH 5381-82



## Graduation Requirements

Candidates for the master's degree in mathematics must also meet the following requirements:

- A 3.0 grade point average on all course work. Only grades of "B" or better can be applied towards the degree.
- Satisfactory performance on a final comprehensive examination covering those core courses and either the thesis, project or an additional area within the students program selected by the student in conjunction with the graduate advisor.

## COURSE DESCRIPTIONS

### BIOLOGY (BIOL)

#### BIOL 5340

##### Ornithology

The origin, taxonomy, distribution and a natural history of birds. Prerequisite: BIOL 4335-4136 or consent of instructor. Course fee required.

#### BIOL 5141

##### Ornithology Laboratory

Anatomy, field identification, and methods of study of birds. Prerequisite: BIOL 4335-4136 or consent of instructor. Laboratory fee required.

#### BIOL 5350

##### Conservation Biology

Ecological and biogeographical bases for the conservation and management of species and habitat diversity. Prerequisites: BIOL 3336 and BIOL 3137.

#### BIOL 5362

##### Biological Ultrastructure

Study of electron microscope techniques and electron micrographs. Comparative study of prokaryotic and eukaryotic cells, including component organelles, structures, and inclusions. Course fee required.

#### BIOL 5465

##### Transmission Electron Microscopy

Instruction and supervised training in use and care of the electron microscope, tissue preparation, microtoming, and printing elec-

tron micrographs. Prerequisite: Consent of instructor. Laboratory fee required.

#### BIOL 5380

##### Topics in Advanced Biology

Topics to be selected include microbial physiology, microbial anatomy, general virology, terrestrial ecology, evolution, invertebrate zoology, vertebrate zoology, botany, and immunology. Topics differ according to interest and needs of the student. May be repeated once for credit when content changes. Course fee required.

#### BIOL 5181

##### Topics in Advanced Biology Laboratory

Laboratory work selected to correlate with the subjects covered in BIOL 5380. May be repeated once for credit when content changes. Laboratory fee required.

#### BIOL 5384

##### Genetics

A synthesis and development of the fundamental concepts related to biochemical and population genetics including such topics as mechanism of gene action, genetic control of cellular activities, gene-enzyme relations, inborn errors in metabolism, genetic equilibrium in populations, mutations, allelic variation, selection, and evolution. Prerequisite: One course in genetics. Course fee required.

#### BIOL 5185

##### Genetics Laboratory

Classic and fundamental genetic experiments to demonstrate such genetic concepts as inheritance of single recessive traits, phenotypic and genotypic frequencies, spontaneous mutation, selection, recombination, and in breeding. Laboratory fee required.

#### BIOL 5390

##### Ethology

The biological basis of animal behavior. Topics to be studied include fixed action patterns, dominance, conflict behavior, and phylogeny and ontogeny of behavior, genetics and ecology of behavior. Course fee required.

#### BIOL 5191

##### Ethology Laboratory

Experiments designed to illustrate principles of dominance, territorial defense, and genetic patterns of behavior. Laboratory fee required.

#### BIOL 5192

##### Experimental Methods in Biology

Theory and criticism of commonly used research designs in the biochemical sciences, including analysis and interpretation of biological observations. Various strengths and weaknesses of certain experimental designs are examined.

#### BIOL 5193

##### Graduate Seminar in Biology

Discussion and presentations by faculty and students on various up-to-date topics in biology. May be repeated once for credit.

#### BIOL 5395

##### Thesis

Selection of a research topic and development of a thesis plan.

#### BIOL 5396

##### Thesis

Completion and approval of thesis. Prerequisite: BIOL 5395 or concurrent enrollment.

#### BIOL 5099

##### Independent Study

Independent study in specific areas of biology not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor:

- BIOL 4304 Biogeography
- BIOL 4331 Entomology
- BIOL 4132 Entomology Laboratory
- BIOL 4350 Immunology
- BIOL 4151 Immunology Laboratory
- BIOL 4661 Field Biology

## CHEMISTRY (CHEM)

#### CHEM 5310

##### Advanced Topics in Analytical Chemistry

Topics are chosen from areas such as clinical chemistry analysis, industrial quality control analysis, advances in instrumental analysis, or environmental analysis. May be repeated once for credit when content changes. Course fee required.

#### CHEM 5320

##### Advanced Biochemistry

Study of the synthesis of intermediary metabolites, the chemistry of enzyme systems, and the metabolic functions of vitamins. Prerequisite: One semester of biochemistry. Course fee required.

#### CHEM 5121

##### Advanced Biochemistry Laboratory

Laboratory experiments in enzyme extraction, purification, and characterization. Laboratory fee required.



**CHEM 5380****Topics in Physical Science for Teachers**

An in-depth study of selected topics in physical science of interest to elementary and junior high teachers. May be repeated once for credit when content changes. Course fee required.

**CHEM 5099****Independent Study**

Independent study in specific areas of chemistry not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor.

CHEM 3352 Physical Chemistry I

CHEM 3153 Physical Chemistry I Laboratory

CHEM 3354 Physical Chemistry II

CHEM 3155 Physical Chemistry II Laboratory

CHEM 4330 Inorganic Chemistry

CHEM 4131 Inorganic Chemistry Laboratory

CHEM 4334 Biochemistry

CHEM 4135 Biochemistry Laboratory

CHEM 4440 Advanced Chemical Laboratory Techniques

## COMPUTER SCIENCE (COSC)

Both COSC 4321- Data Structures and the Analysis of Algorithms, and COSC 4430- Computer Organization II, or equivalent, are prerequisites for all courses numbered COSC 5326 or above.

**COSC 5306****Personal Computing**

A study of the programming languages used on microcomputers. Special emphasis will be given to the BASIC programming language. CANNOT BE USED FOR THE MS IN COSC DEGREE. Extended computer access fee required.

**COSC 5314****Computer Assisted Instruction**

Design and implementation of computer-based instructional systems. Topics include: principles and procedures for designing CAI, theoretical foundations of learning as applicable to automated instruction, current trends in CAI technology, and CAI lesson development via high-level languages, authoring languages, and authoring systems. Extended computer access fee required. Prerequisite: COSC 5306 or equivalent.

**COSC 5315****Microcomputer System Applications**

A study of microcomputers, microcomputer operating systems, and application software for microcomputers. Special emphasis will be given to spreadsheet and database packages. CANNOT BE USED FOR THE MS IN COSC DEGREE. Extended computer access fee required.

**COSC 5318****Computing Software**

Studies of newly developed programming languages, operating systems, and distributed processing. Extended computer access fee required.

**COSC 5325****Workshop in Computer Science**

Designed to provide instruction for groups who wish to study current specific areas in computer science. This course may be repeated once for credit when content changes. Extended computer access fee required. CANNOT BE USED FOR THE MS IN COSC DEGREE.

**COSC 5326****UNIX Programming Environment**

This course will cover shell programming, filters, I/O programming, program development, and document preparation. Special attention will be given to UNIX systems programming. Extended computer access fee required.

**COSC 5330****Operating Systems**

Analysis of operating systems software for computing systems, and resource management procedures and techniques used in all types of computing environments. Extended computer access fee required.

**COSC 5335****Computer Architecture**

A complete introduction to computer architecture from the systems point of view. Topics covered will include CPU design, memory management, microprogramming, and I/O. Extended computer access fee required.

**COSC 5336****Local Area Networks**

LAN architectures and media. In addition, course will cover internetworking, performance, and design issues. Special attention will be paid to IEEE 802 and all current systems. Computer user fee required. Extended computer access fee required.

**COSC 5340****Programming Languages**

Theoretical aspects of programming languages, design and implementation criteria, analysis and classification of programming languages used in computing software. Extended computer access fee required.

**COSC 5345****Computer Graphics**

An introduction to computer graphics stressing interactive graphics. Basic theory and applications will be covered. GKS graphics and an introduction to 3-D graphics will be given. Extended computer access fee required.

**COSC 5346****Expert Systems**

Basic concepts for building expert systems, architecture of expert systems, the knowledge acquisition process, languages and tools for building expert systems, evaluation of expert systems, issues and case

studies, and practices in the design and evaluation of expert systems. Extended computer access fee required.

**COSC 5350****Data Communication and Networks**

Teleprocessing, data transmission, and computer networks. Extended computer access fee required.

**COSC 5351****Computer-Human Communications**

Study of computer interfaces with a special emphasis on highly interactive interfaces. A complete study of the X Windows Architecture including hardware, communications protocols, and programming. Extended computer access fee required.

**COSC 5352****Client/Server Architectures**

Designing and implementation of client/server systems. Topics include: network protocols, OLE DGE, CORBA, server design and implementation and tightly integrated message systems. Extended computer access fee required.

**COSC 5354****Parallel and Supercomputing**

Methods for creating and implementing parallel algorithms. Parallel programming, programming models, and architectures of vectorized supercomputers, shared-memory, and distributed architectures. Extended computer access fee required.

**COSC 5360****Database Design**

Database systems theory and design, relational, hierarchical, and logical models, networks, and integrated data bases. Extended computer access fee required.



**COSC 5361****Digital Image Processing**

Basic concepts in Digital Image Processing. Topics considered will include two-dimensional transforms, filtering, enhancement, restoration, edge detection, segmentation, texture, matching, image representation, feature detection and their application will be discussed in the course. Extended computer access fee required.

**COSC 5362****Pattern Recognition**

Various stages in a recognition system and their design will be discussed. These stages include: preprocessing, feature extraction, recognition, knowledge base, and associative storage. Algorithms and implementation of these stages will be discussed. Practical applications such as character recognition, satellite image analysis, MRI data analysis, and other biomedical applications will be discussed. Extended computer access fee required.

**COSC 5365****Artificial Intelligence**

Introduction to the basic concepts of artificial intelligence. Topics covered will include knowledge representation, A.I. programming, learning, and neural nets. Extended computer access fee required.

**COSC 5370****Software Engineering**

Program development techniques with structured methodologies. Topdown development, modeling tools, structured programming, programming style, program testing and debugging. Extended computer access fee required.

**COSC 5373****Distributed Databases**

Selected topics in distributed systems, computer networks, and distributed databases. Design of local area networks and multiple network systems, database programming languages, and operating systems for distributed systems. Prerequisite: COSC 5350. Extended computer access fee required.

**COSC 5375****Advanced Database Design**

Database design issues including: query processing, interpretation, optimization, and methods for implementing and optimizing logic queries. Knowledge databases, distributed databases, and object-oriented databases. Extended computer access fee required.

**COSC 5380****Research Methods**

The study of library skills, computerized literature searches, types of research, proposal and report writing techniques. A proposal and the research report will be prepared. Extended computer access fee required.

**COSC 5390****Topics In Computer Science**

Special topics of interest to computer science professionals. May be repeated once for credit when content changes. Computer user fee required. Extended computer access fee required.

**COSC 5395****Thesis**

Selection of a research topic and development of a thesis plan. Computer user fee required. Extended computer access fee required.

**COSC 5396****Thesis**

Completion and approval of thesis. Prerequisite: COSC 5395 or concurrent enrollment. Extended computer access fee required.

**COSC 5099****Independent Study**

Independent study in specific areas of computer science not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair. Extended computer access fee required.

The following courses may be taken for graduate credit and applied toward the Master of Science in computer science with consent of advisor:

COSC 4355 Analysis of Algorithms

COSC 4377 Compiler Techniques.

## MATHEMATICS (MATH)

**MATH 5301****Theory of Numbers**

Divisibility of rational integers, solution of congruences, mathematical induction, diophantine equations, quadratic residues, and number theoretic functions. Prerequisite: Nine advanced hours of undergraduate mathematics.

**MATH 5305****Logic and Foundations**

Mathematical logic, detailed and rigorous study of set theory, introduction to axiomatic systems, examination of real number systems. Prerequisite: Departmental approval. Course fee required.

**MATH 5310****History of Mathematics**

A survey of the historical origin of mathematical concepts, the lives and achievements of great men and women of mathematics from ancient to modern times. Prerequisite: 12 hours of mathematics. Course fee required.

**MATH 5315****Geometry for Teachers**

Selected topics from Euclidean and non-Euclidean geometries designed to increase the geometric maturity of the students. Prerequisite: Departmental approval. Course fee required.

**MATH 5331****Algebraic Structures I**

Semigroups, groups, rings, integral domains, fields, and vector spaces. Prerequisite: MATH 4335 or equivalent.

**MATH 5332****Algebraic Structures II**

Continuation of Mathematics 5331. Prerequisite: MATH 5331.

**MATH 5341****Real Analysis I**

Development of real and complex number systems, set theory, numerical sequences and series, continuity of real functions, and derivative of real functions. Prerequisite: MATH 4341 or equivalent.

**MATH 5342****Real Analysis II**

Continuation of MATH 5341. Topics include Riemann-Stieltjes integral, sequences of functions, uniform convergence, Lebesgue measure and integration. Prerequisite: MATH 5341.

**MATH 5351****Mathematical Probability**

Axiomatic development of probability, distributions, mathematical expectation, moments, and generating functions. Prerequisite: MATH 3345 or equivalent.

**MATH 5352****Mathematical Statistics**

Study of the mathematical basis of statistical analysis with emphasis given to sampling, distributions, testing hypotheses, interval estimation, and multivariate analysis. Prerequisite: MATH 5351.

**MATH 5381****Applied Mathematics I**

Theory and application of linear spaces, spectral theory, and complex analysis. Prerequisite: MATH 4341 or concurrent enrollment and a knowledge of BASIC programming.

**MATH 5382****Applied Mathematics II**

Theory and application of differential equations, partial differential equations, and approximation theory. Prerequisite: MATH 4341 or concurrent enrollment and a knowledge of BASIC programming.



**MATH 5390 & 5391****Selected**

Topics in Mathematics Topics are selected to meet the needs of students and vary from semester to semester. Courses may be repeated when the content changes. Prerequisite: Consent of department chair.

**MATH 5395****Research**

Research methodology in mathematics, requires individual research, and culminates in a written report. Prerequisite: Completion of 15 graduate credit hours of mathematics and consent of instructor.

**MATH 5396****Thesis**

Student research that culminates in the completion of a formal thesis. Prerequisite: MATH 5395 and appointment of a thesis advisor.

**MATH 5099****Independent Study**

Independent study in specific areas of mathematics not covered by organized courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of department chair.

The following courses may be taken for graduate credit with consent of advisor:

- MATH 4335 Introduction to Abstract Algebra
- MATH 4341 Introduction to Real Variables
- MATH 4342 Introduction to Complex Variables
- MATH 4350 Theory of Probability
- MATH 4380 Modeling and Numerical Analysis

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## DIVISION OF NURSING

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Linda K. Klotz, interim director

The Division of Nursing offers graduate course work leading to completion of the Master of Science in Nursing Degree. The program description and curriculum schema are as follows:

### MASTER OF SCIENCE IN NURSING

The Master of Science in Nursing program is designed to prepare individuals for careers in service, education, and research. Emphasis is given to developing the leadership/management skills necessary to provide expert nursing care to clients, either directly through clinical practice, or indirectly through the avenues of administration, research, or education. Leadership, in this context, focuses on transformation, on influencing and guiding others toward a mutual goal. Management is defined as judicious use of means to accomplish an end. The essential leadership and management skills may be acquired through integration of the nursing process with current theory and research in these areas. This program provides an opportunity to practice these skills in a setting appropriate to the individual's interests.

### OBJECTIVES

At the completion of the Master's program, the graduate will be able to: extrapolate and evaluate the influence of social, political, educational and economic trends on health care delivery and health policy; analyze the ethical and legal obligations of professional service to humans, and synthesize these concepts into a professional role; critique principles of leadership/management for application within professional nursing practice; appraise and extend the body of nursing knowledge through scientific inquiry; initiate and evaluate responsive and responsible actions to influence the impact of nursing on health care delivery; synthesize strategies for the provision of compassionate and comprehensive health care through a variety of modalities and in multiple settings; pursue doctoral studies or other advanced educational opportunities.

### Admission Requirements

In addition to the general graduate admission requirements of the university, students applying for admission to the MSN program are expected to submit a portfolio for evaluation consisting of the following:

- A. Application with references (2 professional, 2 academic)
- B. Minimum grade-point average of 3.0 for the last 60 semester credit hours of undergraduate work
- C. A Bachelor of Science in Nursing degree from an NLN accredited school
- D. Current licensure as a Registered Nurse in the state(s) where clinical practicum will occur.



- E. Completion of prerequisite courses with a grade of "C" or better (introductory accounting, computer science, and statistics), or demonstrate proficiency in the required knowledge and skills according to Division policy; and
- F. A score of 1000 on a combination of the verbal/analytical or the verbal/quantitative portions of the GRE or a normative score at or above the 50th percentile for nursing on the MAT

### Transfer of Credit

A student may transfer a maximum of six semester hours of graduate credit in which a grade of "B" or better has been earned from approved institutions. Transfer credit is subject to the approval of the division director.

### DEGREE REQUIREMENTS

COURSE		SEMESTER CREDIT HOURS
<b>Semester I</b>		
NURS 5310	Research Methods in Nursing	3
NURS 5312	Nursing Theory	3
NURS 5308	Contemporary Nursing Ethics	3
MANA 5320	Human and Organizational Behavior	3
or		
MANA 5390	Organizational Theory and Decision-Making	3
		12 hrs
<b>Semester II</b>		
NURS 5414	Assessment of Nursing Management	4
NURS 5324	Application of Computer Technology in Nursing	3
	Elective (3 hours)	3
		10 hrs
<b>Semester III</b>		
NURS 5426	Implementation of Nursing Management	4
NURS 5320	Research Design	3
or		
NURS 5322	Management Practicum in Professional Roles	3
	Elective (3 hours)	3
		10 hrs
<b>Semester IV</b>		
NURS 5330	Evaluation of Nursing Management	3
NURS 5395	Thesis	3
or		
NURS 5334	Professional Paper	3
		6 hrs
		TOTAL 38 hrs

## THE COORDINATED MASTER OF SCIENCE IN NURSING AND MASTER OF BUSINESS ADMINISTRATION

This coordinated MSN-MBA degree option will prepare the nurse executive to ensure excellence in client care services, and also to impact the business environment in which nurses practice. This degree option incorporates content in management, economics, finance, and marketing into a framework for nursing service and health care administration. The coordinated degree can be completed in 74 semester credit hours, including prerequisite courses for both Business and Nursing.

Students enrolling for this coordinated degree option must meet the admission requirements listed elsewhere in this catalog for both Business and Nursing. The degree requirements for the coordinated degree option are as follows:

### DEGREE REQUIREMENTS (MSN-MBA)

(Recommended sequence, including summer sessions)

COURSE		SEMESTER CREDIT HOURS
<b>SEMESTER I</b>		
NURS 5312	Nursing Theory	3
MATH 5390	Special Topics in Mathematics (or equivalent)	3
GENB 3353	Statistics	3
or		
MATH 3350	Statistical Methods in Research	3
		9 hrs
<b>SEMESTER II</b>		
NURS 5310	Research Methods in Nursing	3
ECON 5300	Economic Concepts and Processes	3
ACCT 5300	Accounting Concepts and Procedures	3
		9 hrs
<b>SEMESTER III</b>		
MARK 3311	Principles of Marketing	3
MANA 3330	Management Information Systems	3
		6 hrs
<b>SEMESTER IV</b>		
MANA 4305	Production and Operations Management	3
FINA 3311	Financial Management	3
MARK 5370	Health Care Marketing in Contemporary Society	3
		9 hrs
<b>SEMESTER V</b>		
NURS 5414	Assessment of Nursing Management	4
NURS 5324	Application of Computer Technology in Nursing	3
ACCT 5320	Accounting for Management Control	3
		10 hrs



**SEMESTER VI**

GENB 5340	Business and Professional Ethics	3
	or	
NURS 5308	Contemporary Nursing Ethics	3
NURS 5426	Implementation of Nursing Management	4
		7 hrs

**SEMESTER VII**

FINA 5320	Advanced Financial Management	3
MANA 5320	Human and Organization Behavior	3
NURS 5330	Evaluation of Nursing Management	3
		9 hrs

**SEMESTER VIII**

NURS 5320	Research Design	3
	or	
NURS 5322	Management Practicum in Professional Roles	3
ECON 5340	Economics of Public Policy	3
MANA 5350	Seminar in Human Resources Management	3
		9 hrs

**SEMESTER IX**

MANA 5395	Strategy and Policy Formulation	3
NURS 5395	Thesis	3
	or	
NURS 5334	Professional Paper	3
		6 hrs

TOTAL 74 hrs

NOTE: SEE SCHOOL OF BUSINESS ADMINISTRATION

**GRADUATION REQUIREMENTS**

All candidates for the Master of Science in Nursing degree at The University of Texas at Tyler must meet the following requirements:

- A minimum grade-point of 3.0 on all graduate level work taken at UT Tyler  
No course with a grade below "B" may be applied toward this degree.
- Nursing courses within the MSN curriculum may be repeated only once
- Satisfactory performance on a comprehensive written and/or oral examination

**The Coordinated Master of Science in Nursing -  
Family Nurse Practitioner Option**

The health care industry is rapidly moving from a predominately inpatient service arena to a community based outpatient focus. This shift to the community has increased the demand for advanced practice nurses. Nurse practitioners provide basic front line care for infants, children, and adults in a wide range of settings such as HMO's, hospitals, primary care clinics, schools, community health centers, workplaces, and homes. Increasing research indicates that the quality of NP care is equal to, and at times better than, comparable care by physicians, often at lower cost.

**DESCRIPTION**

The MSN-FNP Option is a collaborative program between The University of Texas at Tyler, The University of Texas Health Center at Tyler and Texas Tech University Health Sciences Center. Foundation courses will be taken at the Tyler site. Clinical courses for the degree will be offered at both the Tyler and Lubbock sites, with practicum assignments and preceptors throughout the East Texas area. The degree is awarded through the School of Nursing at Texas Tech University Health Sciences Center in Lubbock, Texas.

The purpose of this option is to produce a nursing leader who is prepared with specific functional abilities to practice with a specified patient/client population. In synthesizing this clinical and functional focus, the graduate assumes a re-integrated nursing role.

**ADMISSION REQUIREMENTS**

In addition to the general graduate admission requirements of The University of Texas at Tyler, students applying to this degree option must meet the admission requirements for the MSN degree of the Division of Nursing. Prior to enrolling for clinical courses, the student must complete a separate admission request to Texas Tech University Health Sciences Center, and meet the following requirements as well:

- Application to TTUHSC School of Nursing.
- GPA of 3.0 or better in upper division work (on 4.0 scale) and any graduate level work, if such applies.
- Acceptable references (4):
  - Faculty member in the baccalaureate or graduate program.
  - Immediate supervisor in most recent employment setting
  - Peer in the work setting (R.N. only)
  - One other reference.
- Cultural diversity.
- Career goals.
- A sample of the applicant's writing skill (e.g. term papers, manuscripts, or reports).
- Interview with TTUHSC School of Nursing Admission Committee Member (optional).
- Current certification in BCLS/ACLS.

**DEGREE REQUIREMENTS**

Cognates and Foundation Courses (UT Tyler):

COURSE	TITLE	SEMESTER CREDIT HOURS
HECC 5317	Biometric Measures	3
NURS 5310	Research Methods in Nursing	3
NURS 5312	Nursing Theory	3
NURS 5308	Contemporary Nursing Ethics	3
NURS 5324	Application of Computer Technology in Nursing	3
NURS 5350	Advanced Pathophysiology	3
NURS 5352	Advanced Health Assessment	3
NURS 5354	Advanced Nursing Pharmacotherapeutics	3



At this point, the student must be accepted by the School of Nursing at Texas Tech University Health Sciences Center prior to enrolling in the following courses:

**CLINICAL COURSES (TTUHSC):**

NURS 5300	Community Health I: Foundations of Community Health Nursing	3 (3:1:6)+
NURS 5301	Community Health II: Role Design and Implementation	3 (3:1:6)+
NURS 5340*	Primary Health Care I: Advanced Assessment, Pathology, and Management	3 (3:1:6)+
NURS 5341	Primary Health Care II: Advanced Role Application	3 (3:1:6)+
NURS 6000	Thesis	6 ---
NURS 6060	Nursing Practicum	6 (3:0:18 or 6:0:36)+

(A majority of clinical must be completed in medically underserved settings.)

TOTAL 48 hrs.

\*All Nurse Practitioner students are required to hold Advanced Life Support Certification appropriate to their clinical specialty as a pre- or co-requisite to NURS 5340. NURS 5344 is offered for those who wish to become certified through the TTUHSC School of Nursing.

+Course credits: clock hours in didactic portion of course: clock hours in clinical portion of the course

**NOTE:** In addition to the above, post-masters family nurse practitioner applicants are required to submit documented preceptor arrangements to be used in completing the clinical coursework.

### Minimum Requirements for the Post-Masters Nurse Practitioner Option

COURSE	TITLE	SEMESTER CREDIT HOURS
NURS 5352 (UTT)	Advanced Health Assessment	3
NURS 5354 (UTT)	Advanced Nursing Pharmacotherapeutics	3
NURS 5340 (TTUHSC)	Primary Health Care I: Advanced Assessment, Pathology, and Management	3
NURS 5341 (TTUHSC)	Primary Health Care II: Advanced Role Application	3
NURS 6060 (TTUHSC)	Nursing Practicum	6
		TOTAL 18 hrs

The Director of the Graduate Program at TTUHSC will review the applicant's academic preparation and/or competency in epidemiology, pathophysiology and community health. Any deficiencies are remedied with additional course work listed below as prerequisite/co-

requisite to NURS 5340.

NURS 5350 (UTT)	Advanced Pathophysiology
NURS 5140 (TTUHSC)	Laboratory Methods for Primary Health Care
NURS 5300 (TTUHSC)	Community Health I: Foundations of Community Health Nursing
NURS 5301 (TTUHSC)	Community Health II: Role Design and Implementation

\*All Nurse Practitioner students are required to hold Advanced Life Support Certification appropriate to their clinical specialty as a pre- or co-requisite to NURS 5340. NURS 5344 is offered for those who wish to become certified through the School of Nursing.

## COURSE DESCRIPTIONS

### NURSING (NURS)

#### NURS 5308

##### Contemporary Nursing Ethics

Provides a thorough grounding in ethical theories and principles. Students are introduced to a variety of frameworks for ethical decision making. Current trends in the political, economic, and legal spheres in the contemporary health care arena are analyzed through the use of case studies. Course fee required.

#### NURS 5310

##### Research Methods in Nursing

Introduces the student to the research process and selected quantitative and qualitative methodologies, the writing of research proposals, and the process of critiquing reports of nursing research. The conduct and utilization of nursing research in caring for individuals, families, groups and communities is discussed and analyzed. Students complete projects which expand their knowledge of the research process as applied to specific clinical populations in a variety of practice settings. Research is evaluated for its usefulness in contributing to nursing's knowledge base. Prerequisite: Admission to the MSN program. Course fee required.

#### NURS 5312

##### Nursing Theory

Provides an introduction to the nature of scientific explanation and inquiry. Origins of and strategies for theory development in nursing are examined for their importance in guiding the development of the profession. Nursing theory is analyzed as a foundation for nursing practice and research. Prerequisite: Admission to the MSN program. Course fee required.

#### NURS 5313

##### Emergency Nursing

Designed as an exploration of advanced theories and practice of emergency nursing specifically dealing with patients experiencing medical, trauma, pediatric, obstetric, or psychiatric emergency situations. Course projects include practicum experience. Prerequisite: Baccalaureate degree in nursing. Course fee required.

#### NURS 5314

##### Nursing Care of the Perioperative Client

Explores the advanced theories and practice of perioperative nursing. Course projects include a nursing research proposal related to the perioperative area. Prerequisite: Baccalaureate degree in nursing. Course fee required. (Credit: 2-1)



**NURS 5318****Women's Health Issues**

Covers a wide variety of issues relating to women's health and is available to all majors. A holistic approach is used to investigate issues impacting the health of women. The course projects include a research proposal for an issue relating to women's health. Course fee required.

**NURS 5320****Research Design**

Builds on content presented in NURS 5310, as students continue their in-depth exploration and discussion of research designs, data collection and analysis methods, issues of reliability and validity of measurement, the ethics of human inquiry, and the dissemination of findings. Students are introduced to the role of the nurse-researcher. The course culminates in the development and defense of a research proposal. It is an alternative to NURS 5322. Prerequisite: NURS 5330 or consent of instructor. Course fee, extended computer access fee required.

**NURS 5322****Management Practicum  
In Professional Roles**

Applies theories of role socialization and resocialization as they apply to advanced professional practice in service and educational settings. Seminar content focuses on major perspectives from which roles and role performance are integrated into education and service. Concepts central to role-making and role-taking, excellence, professionalism, and the roles common to the work of all leaders/managers are examined in relation to the specific knowledge base required. It is an alternative to NURS 5320, Research Design. Prerequisite: NURS 5426, concurrent enrollment in NURS 5330, or consent of instructor. May be repeated once for credit when content changes. Course fee required. (Credit: 1-2)

**NURS 5323****Holistic Health: The Art and Science of  
Caring and Healing**

Explores the application of holistic philosophy and theory into practice. Included will be seminar discussion, demonstration, and experiential sessions on holistic health assessment and alternative treatment modes to promote health and healing in practice and daily living. Course projects include analysis of current and projected trends in the provision of health care, the role of the informed consumer of health care, comparative studies of traditional versus alternative medicine, and research based holistic health care. Open to all majors; graduate status required. Course fee required.

**NURS 5324****Application of Computer Technology  
In Nursing**

Prepares the student to apply computer technology to the management of individuals, groups or organizations in the nursing roles of practitioner, administrator, educator and researcher. Emphasis is on becoming knowledgeable and competent with available resources useful in managerial nursing functions. The student also develops additional skills in using a variety of hardware and software through hands-on lab experiences and field visits to operational medical/health related computerized facilities. Prerequisite: Proficiency in computer skills, admission to the MSN program, or consent of instructor. Extended computer access fee required.

**NURS 5330****Evaluation of Nursing Management**

Focuses on the utilization of evaluation strategies to determine the achievement of stated goals. The purpose of this course is to facilitate the analysis of multiple methods of measurement, appraise the outcomes of change (including the application of human caring theory into practice), and apply and predict the consequences of change to current and future trends in health care. Prerequisite: NURS 5426. Course fee required. (Credit: 1-2).

**NURS 5334****Professional Paper**

Designed to develop skills necessary for the preparation of a professional paper suitable for publication or presentation. For students who do not choose the thesis option. Prerequisite: NURS 5322, NURS 5330, or concurrent enrollment. Course fee required.

**NURS 5345****The Older Adult: Dimensions of Care**

Provides an opportunity for synthesis of selected issues related to health care of the older adult in a societal context. The focus is on health status and quality of life. Participants will review issues of aging and health care in both local and national society through the professional literature, recent research, and interaction with guest faculty of older adults. Course projects lead to synthesis and application of research and leadership information related to health care of the older adult in a societal context. Course fee required.

**NURS 5350****Advanced Pathophysiology**

Focus is on pathological conditions encountered in clinical practice across the life span of clients. Emphasis is placed on regulatory and compensatory mechanisms as they relate to commonly occurring diseases. Course fee and extended computer access fee required.

**NURS 5352****Advanced Health Assessment**

Application of advanced health assessment principles and skills for comprehensive examination of clients. Focus will be on common deviations from normal. Populations across the life span will be included. Prerequisite: Basic health assessment course. Course fee required. (Credit: 1-2)

**NURS 5354****Advanced Nursing  
Pharmacotherapeutics**

Knowledge and application of advanced pharmacotherapeutic principles related to

the health needs of clients. Focus will be on pharmacotherapeutic modalities utilized by advanced practice nurses. Course fee required.

**NURS 5380****Professional Seminar**

Courses with a variety of topic areas: each course will address content areas of current issues important to professional nurses. May be repeated once for credit when content changes.

**NURS 5395****Thesis**

The research project designed in NURS 5320 will be carried out and presented for defense. Prerequisite: NURS 5330, NURS 5320, or concurrent enrollment. Course fee required. Extended computer access fee required.

**NURS 5414****Assessment of Nursing Management**

Utilizes assessment and planning strategies to effect change. The purpose of the course is to enable the professional nurse to make sound clinical and administrative decisions based on a theoretical framework. Theories of management, leadership, change, and behavior modification are utilized to facilitate the identification of needed change. The student will apply didactic content in a variety of practice settings and with a selected clinical population. Prerequisite: NURS 5310, NURS 5312, NURS 5308, NURS 5324, or consent of instructor. Course fee required. (Credit: 2-2)



**NURS 5426**

**Implementation of Nursing Management**

Focuses on implementation of strategies for change while analyzing the probable consequences of alternative plans and actions. Building on the content in NURS 5414, the purpose of this course is to facilitate the integration of specific goals and activity plans with effective strategies and resources to effect desired outcomes within the specified settings and with identified clinical populations. Content emphasizes leadership/management theories, functions, skills and strategies necessary to the change process, the nursing process, and the human caring process. Content includes: preparing the environment for change, professional and organizational communications, policy development, information systems, obtaining and utilizing human/fiscal resources, participating in job re-engineering, contingency contracting, negotiating and delegating. Prerequisite: NURS 5414, or consent of instructor. Course fee required. (Credit: 2-2).

**NURS 5435**

**Cross-cultural Perspectives In Health Care**

Facilitates personal experience in the effect of culture on health and health care delivery. The course focuses on transcultural stress and the adaptation of the individual and family in the illness prevention, health promotion and maintenance process. Field experience is a major part of this course. Course fee required.

**NURS 5099**

**Independent Study**

Independent study in specific areas of nursing not covered by organized graduate courses. A maximum of six credit hours of independent study courses may be applied toward a graduate degree. Prerequisite: Consent of advisor.

# THE FACULTY

## SCHOOL OF BUSINESS ADMINISTRATION

GARY W. CLENDENEN, Assistant Professor of Management  
B.S., New Mexico State University; M.A., University of New Mexico; M.S., University of Washington, Ph.D., Louisiana State University

DONALD E. FISCHER, Professor of Finance  
B.A., Washington University; M.B.A., University of Detroit; D.B.A., Washington University; C.F.A., Institute of Chartered Financial Analysts

MARY L. FISCHER, Associate Professor of Accounting  
B.A., M.A., Ph.D., University of Connecticut

C. RAY GULLETT, Professor of Management  
B.B.A., M.B.A., North Texas State University; Ph.D., Louisiana State University

RICHARD A. HEIENS III, Assistant Professor of Marketing  
B.S., Ph.D., Florida State University

WENDELL C. HEWETT, Professor of Marketing  
B.B.A., M.B.A., Ph.D., Texas Tech University

DEBORAH B. HULSE, Lecturer in Management and Marketing  
B.B.A., M.B.A., The University of Texas at Tyler

MARK KROLL, Chair, Department of Management, Marketing, and General Business and Professor of Management  
B.B.A., M.B.A., Sam Houston State University; D.B.A., Mississippi State University

ELIZABETH V. MULIG, Lecturer, Department of Accounting  
B.S., Louisiana State University, Shreveport; M.B.A., M.P.A., Louisiana Tech;

ORIS L. ODOM II, Professor of Finance  
B.B.A., M.B.A., The University of Texas at Austin; D.B.A., The University of Oklahoma

JAMES H. SELLERS, Professor of Accounting  
B.B.A., The University of Texas at Austin; M.B.A., University of Houston; Ph.D., University of Arkansas  
C.P.A., Texas

JIM L. TARTER, Dean, School of Business Administration  
B.S., M.B.A., Oklahoma State University



## THE FACULTY

LESLIE ANN TOOMBS, Associate Professor of Management  
B.S.B.A., Henderson State University; M.B.A., Ph.D., Louisiana Tech University

JENNIFER L. VIDETTO, Lecturer in Management  
B.S.I.E., West Virginia University; M.B.A., University of Louisville

LEONARD G. WELD, Chair, Department of Accounting and Finance  
B.A., University of Oklahoma; M.B.A., Southwest Texas State University; Ph.D., Michigan State University

GERI B. WINK, Lecturer in Accounting  
B.B.A., M.B.A., Sam Houston State University; C.P.A., Texas

MARILYN YOUNG, Professor of Management and Director of the Small Business Institute  
B.S.B.A., M.B.A., Ph.D., University of Arkansas

## ADJUNCT FACULTY

THOMAS MICHAEL ALLEMAN, Lecturer in Business Law  
B.B.A., Texas A&M University; J.D., Southern Methodist University School of Law

RALPH ALLEN, Lecturer in Business Law  
B.S., University of Maryland; J.D. St. Mary's University

JOE BEAM, Lecturer in Business Law B.B. A., North Texas University; J.D., South Texas College of Law

DONALD LEE BLAINE, Lecturer in Management  
B.B.A., Stephen F. Austin University; M.B.A., University of Texas at Tyler

HERBERT B. EPSTEIN, Adjunct Associate Professor of Management and Technology  
B.S., New York University; M.B.A., University of Dallas; Ed.D., Texas A&M University

MARILYN GREEN HARDY, Lecturer in Information and Communication Techniques  
B.A., Baylor University; M.A., The University of Texas at Tyler

J. ASHTON ORAVETZ III, Lecturer in Accounting  
B.B.A., M.B.A., University of Wisconsin

GODWIN U. OSUAGWU, Lecturer in Marketing  
B.S., Texas College; M.B.A., The University of Texas at Tyler

LESLIE C. PEACOCK, Lecturer in Economics and Finance  
B.B.A., M.B.A., Ph.D., The University of Texas at Austin

HELEN T. PRATHER, Lecturer in Business Administration  
B.B.A., M.B.A., The University of Texas at Austin; Ed.D., University of Houston

JERRY D. WOOLVERTON, Lecturer in Finance  
B.B.A., The University of Texas at Austin; M.B.A., The University of Texas at Tyler

## THE FACULTY

PERRY MARK WORTHEN, Lecturer in Business Administration  
B.A., Ambassador College; M.B.A., The University of Texas at Tyler

## SCHOOL OF EDUCATION AND PSYCHOLOGY

W. CLAYTON ALLEN, Chair, Department of Technology and Professor of Technology  
B.S., M.S., Ed.D., East Texas State University

JOYCE E. BALLARD, Professor of Health and Kinesiology  
B.S., Greenville College; M.A., Kent State University; Ph.D., University of Illinois at Champaign-Urbana

VIRGINIA R. BEIDELMAN, Assistant Professor of Reading  
B.S.E., University of Arkansas; M.E., Ph.D., Texas Woman's University

SUZANNE G. BRIANS, Senior Lecturer in Reading  
B.A., M.Ed., Ed.S., University of Southwestern Louisiana, M.S., The University of Texas at Tyler

WILLIAM C. BRUCE, Chair, Department of Curriculum and Instruction, and Professor of Education  
B.S., Troy State University; M.Ed., Ed.D., Auburn University

KIMBERLY M. CHILDS, Assistant Professor of Education  
B.S., Dallas Baptist University; M.S., Stephen F. Austin State University; Ph.D., Texas A&M University

J. MILFORD CLARK, Dean, School of Education and Psychology and Professor of Educational Administration  
A.B., M.A.T., Ed.D., University of North Carolina

STEPHEN E. DANIELS, Professor of Education and History  
B.S.Ed., M.A., Northeast Missouri State University; Ph.D., University of Missouri

G. SHELDON DUNHAM, Associate Professor of Technology  
B.S., M.S., Pittsburg State University; Ed.D., East Texas State University

JOHN N. FABAC, Associate Professor of Technology  
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# INDEX

## GENERAL INFORMATION

Academic Council .....	6
Academic Organization .....	5
Administrative Services .....	7
Accreditation .....	7
Alumni Association .....	44
Auditing .....	31
Bachelor's Degrees .....	5
Calculation of Grade Point Average .....	28
Career Planning and Placement .....	45
Class Attendance Policy .....	30
Counseling and Testing .....	44
Course Enrollments .....	31
Course Numbering System .....	27
Credit/No-Credit Option .....	28
Disability Accommodation .....	44
Extension Credit .....	31
Faculty,	
School of Business Administration .....	351
School of Education and Psychology .....	353
School of Liberal Arts .....	356
School of Sciences and Mathematics .....	360
Division of Nursing .....	362
Staff .....	
Filing for Graduation .....	30
Final Examination .....	30
Financial Assistance .....	56
General Academic Policies .....	27
Grading System .....	27
Health Services .....	45
History .....	4
Housing .....	46
Immunizations .....	37
Incompletes .....	29
Joint Baccalaureate Studies .....	40
Learning Assistance Laboratory .....	45
Learning Resources .....	63
Location .....	4
Master's Degrees .....	6
Memberships .....	7
Off-Campus, Interactive Video Instruction .....	31
Partnership Program .....	41
Purpose .....	4
Registration Procedures .....	27
Repeating Courses .....	29

Schedule of Refunds .....	24
Scholarships .....	58
Student Activities .....	46
Student Association .....	46
Student Insurance .....	25
Student Newspaper .....	47
Student Organizations .....	48
Student Records .....	32
Student Responsibilities .....	47
Student Scholastic Load .....	27
Student Affairs .....	44
Transcript Charge .....	26
Tuition and Fees .....	8
University, The .....	4
Veterans Affairs .....	55
Visitation Policy .....	32
Withdrawal from University .....	29,30

## UNDERGRADUATE POLICIES

Academic Fresh Start .....	37
Academic Honors .....	41
Academic Probation .....	43
Academic Suspension .....	43
Admission Requirements .....	35
College Credit by Examination .....	38
Correspondence Credit .....	39
General Baccalaureate Degree Requirements .....	39
General Education Requirements .....	40
Graduation Guidelines .....	40
Honors Program .....	41, 46, 125
International Student Seeking a Degree .....	37
Pre-Professional Programs .....	42
Second Baccalaureate Degree .....	41
Texas Academic Skills Program (TASP) .....	36
Transfer Credit .....	38
Transfer Disputes for Lower-Division Courses from Texas Institutions .....	38

## UNDERGRADUATE PROGRAMS

Accounting, Course Descriptions .....	70
Department of Accounting and Finance .....	65
Allied Health Science, Course Descriptions .....	102
Anthropology, Course Descriptions .....	180
Applied Arts and Sciences Degree,	
Bachelor of .....	123
Department of Technology .....	116
Art	
Bachelor of Arts Degree .....	129
Bachelor of Fine Arts Degree .....	131
Admission .....	130
Course Descriptions .....	132
Department of .....	129
Minor .....	131
Teacher Certification .....	131
Teacher Specialization All-Level .....	131
Teacher Specialization Elementary .....	132
Biology	
Accelerated Curriculum .....	199
Bachelor of Science Degree .....	197
Course Descriptions .....	200
Department of .....	196
Minor .....	196
Teacher Certification .....	197
Teacher Specialization Elementary .....	198
Teacher Specialization Secondary .....	197
Special Requirements for Lecture-Laboratory Courses .....	199
Business Administration	
Admission Requirements .....	66
Bachelor of Business Administration .....	66
Department of Accounting and Finance .....	65
Department of Management, Marketing, and General Business .....	65
Minor .....	69
School .....	65
Teacher Certification Secondary .....	68
General Studies Emphasis .....	69
Chemistry	
Accelerated Curriculum .....	208
Bachelor of Science Degree .....	208
Course Descriptions .....	211
Department of .....	207
Minor .....	210
Teacher Certification .....	209
Teacher Specialization Secondary .....	209
Special Requirements for Lecture-Laboratory Courses .....	210
Comparative Education Systems, Course Descriptions .....	87
Computer Science	
Bachelor of Science Degree .....	215

Bachelor of Science Degree in Computer Informations Systems .....	215
Cooperative Computer Science Education Program .....	216
Course Descriptions .....	204
Department of Computer Science .....	214
Minor .....	217
Teacher Certification .....	217
Teacher Specialization Secondary .....	217
Criminal Justice	
Bachelor of Science Degree .....	165
Course Descriptions .....	166
Department of Social Sciences .....	164
Minor .....	166
Early Childhood Education .....	82
Course Descriptions .....	87
Endorsement .....	86
Economics	
Bachelor of Arts Degree .....	168
Bachelor of Science Degree .....	168
Course Descriptions .....	169
Department of Social Sciences .....	164
Minor .....	169
Education	
Academic Foundations .....	78
Admission to Student Teaching .....	80
Admission to Educator Preparation Program .....	79
Bachelor of Science in Interdisciplinary Studies .....	81
Certificates	
Elementary .....	85
Secondary .....	86
All-Level .....	86
Teacher Certification .....	85
Course Descriptions	
Education .....	88
Elementary .....	89
Secondary .....	92
Student Teaching .....	92
Department of Curriculum and Instruction .....	78
Endorsements	
Early Childhood .....	86
Information Processing Technologies .....	87
Field Experiences .....	80
Options and Specializations	
Elementary .....	81
Campus-Based Alternative .....	83
Field-Based Alternative .....	83
Secondary .....	83
Education and Psychology, School of .....	77



English	
Bachelor of Arts Degree	137
Course Descriptions	139
Department of Humanities	136
Endorsement in English	
as a Second Language	139
Minor	137
Teacher Certification	137
Teacher Specialization, Elementary	138
Teacher Specialization, Secondary	138
Finance	
Course Descriptions	71
Department of Accounting and Finance	65
Foreign Language, Course Descriptions	152
French, Course Descriptions	152
General Business	
Course Descriptions	72
Department of Accounting and Finance	65
General Studies, Bachelor Degree	126
Geography, Course Descriptions	180
Geology, Course Descriptions	214
German, Course Descriptions	153
Health	
Bachelor of Science Degree in Health	
Professions	94
Course Descriptions	103
Minor	101
Teacher Specialization, Elementary	97
Teacher Specialization, Secondary	96
Health and Kinesiology	
Bachelor of Arts Degree	100
Health and Exercise Core Courses	
Course Descriptions	103
Department of	94
History	
Bachelor of Arts	142
Bachelor of Science	142
Course Descriptions	145
Department of Humanities	136
Minor	143
Teacher Certification	143
Teacher Specialization, Elementary	143
Teacher Specialization, Secondary	144
Honors Program	125
Humanities, Department	136
Interdisciplinary Studies	
Bachelor of Science Degree in	
Interdisciplinary Studies	81
Department of Curriculum	
and Instruction	78
International Studies Minor	126
Journalism	
Bachelor of Arts Degree	182
Bachelor of Science Degree	183
Course Descriptions	183
Department of Theatre	
and Communication	181
Minor	183
Kinesiology	
Bachelor of Science Degree	97
Course Descriptions	104
Department of Health and Kinesiology	94
Minor	101
Teacher Certification,	
School Kinesiology	98
Liberal Arts, School of	125
Life Earth Science, Teacher Certification	198
Latin, Course Descriptions	153
Management	
Course Descriptions	73
Department of Management, Marketing	
and General Business	65
Marketing	
Course Descriptions	75
Department of Management, Marketing	
and General Business	65
Mathematics	
Bachelor of Science Degree	222
Course Descriptions	224
Department of Mathematics	
and Computer Science	221
Minor	223
Teacher Certification	222
Teacher Specialization, Elementary	223
Teacher Specialization, Secondary	223
Medical Technology	
Admission Policy	204
Bachelor of Science Degree	203
Course Descriptions	205
Department of Biology	196
Music	
Applied Courses	164
Bachelor of Arts Degree	159
Bachelor of Fine Arts Degree	156
Course Descriptions	161
Department of	155
Departmental Policies	155
Emphasis	
Instrumental	157
Keyboard	158
Vocal	158
Minor	160
Specializations, Elementary	160
Specializations, All-Level	157
Nursing	
Admission Policy	227
Bachelor of Science	
in Nursing Degree	228

Course Descriptions	230
Division of	226
MINE Option	229
Philosophy, Course Descriptions	154
Physical Education, Course Descriptions	105
Physical Science, Teacher Certification	210
Political Science	
Bachelor of Arts	171
Bachelor of Science	171
Course Descriptions	173
Department of Social Sciences	164
Minor	171
Teacher Certification	171
Teacher Specialization, Elementary	172
Teacher Specialization, Secondary	172
Pre-Dentistry Program	42
Pre-Medicine Program	42
Pre-Law Program	42
Pre-Theology Program	42
Psychology	106
Bachelor of Arts Degree	106
Bachelor of Science Degree	107
Course Descriptions	108
Department of	106
Minor	108
Teacher Certification, Secondary	108
Reading	
Teacher Certification	112
Course Descriptions	113
Department of Special Services	111
Elementary Specialization	112
Secondary Specialization	112
Sciences and Mathematics, School of	195
Social Sciences, Department of	164
Sociology	
Bachelor of Arts Degree	176
Bachelor of Science Degree	176
Course Descriptions	178
Department of Social Sciences	164
Minor	177
Teacher Certification	177
Teacher Specialization, Elementary	177
Teacher Specialization, Secondary	177
Spanish	
Bachelor of Arts Degree	149
Course Descriptions	150
Department of Humanities	136
Minor	149
Teacher Certification	149
Teacher Specialization, Elementary	149
Teacher Specialization, Secondary	150
Special Education	
Course Descriptions	114
Department of Special Services	111
Elementary Specialization	114
Secondary Specialization	114
Special Services, Department of	111
Speech Communication	
Bachelor of Arts Degree	187
Bachelor of Science Degree	187
Course Descriptions	189
Department of Theatre	
and Communication	181
Minor	187
Teacher Certification	188
Teacher Specialization, Elementary	188
Teacher Specialization, Secondary	188
Teacher Education - See Education	
Teaching Specialization and Certification	84
Technology	
Bachelor of Science Degree	116
Certification and Endorsement	116
Course Descriptions	117
Department of	116
Options	116
Theatre	
Bachelor of Arts Degree	192
Course Descriptions	193
Department of Theatre and	
Communication	181
Minor	192
Teacher Certification	192
Production Participation	
and Attendance	193
Teacher Specialization, Secondary	192
Training and Development	
Bachelor of Science Degree	121
Course Descriptions	121
Department of Technology	116
<b>GRADUATE POLICIES</b>	
Academic Fresh Start	237
Academic Probation	238
Academic Suspension	238
Comprehensive Examination Guidelines	240
General Graduate Admission	236
Graduate Courses Taken by	
Undergraduates	239
Graduate Student Not Seeking a Degree	238
International Student	
Seeking a Graduate Degree	237
Student Seeking a Graduate Degree	236
Student Seeking a Second	
Graduate Degree	238
Thesis	240
Time Limitation	239
Transfer of Graduate Credit	239



Undergraduate Courses for Graduate Credit .....	239
--	-----

**GRADUATE PROGRAMS**

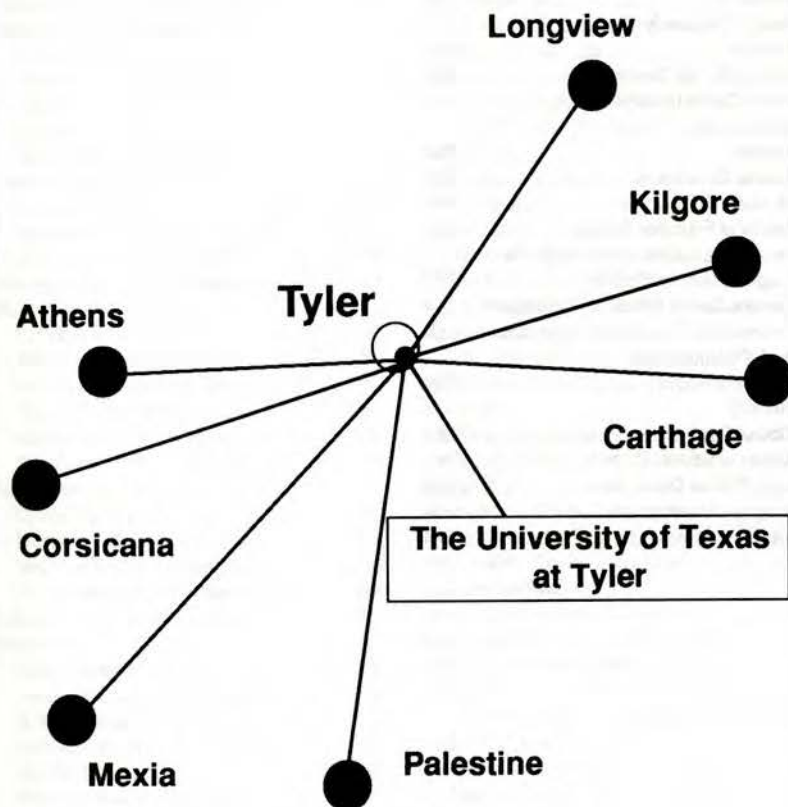
Accounting, Course Descriptions .....	247
Allied Health Science, Course Descriptions .....	269
Art, Course Descriptions .....	307
Biology, Course Descriptions .....	334
Biology Master of Science .....	330
Business Administration	
Graduate Degree Student .....	243
Master Business Administration Degree .....	243
Master Business Administration Degree and Master of Science in Nursing .....	245
School of .....	243
Transfer of Credit .....	244
Chemistry, Course Descriptions .....	335
Clinical Exercise Physiology	
Course Descriptions .....	270
Master of Science Degree .....	267
Computer Science	
Course Descriptions .....	336
Master of Science Degree .....	331
Counseling	
Course Descriptions .....	281
Master of Arts Degree .....	279, 280
Professional Counselor Certificate .....	278
Criminal Justice, Course Descriptions .....	321
Curriculum and Instruction	
Certificates .....	256
Elementary Professional Certificate .....	256
Information Processing Technologies .....	257
Master of Arts Degree .....	257
Master of Education Degree .....	258
Secondary Professional Certificate .....	256
Early Childhood Education	
Course Descriptions .....	260
Master of Arts Degree .....	259
Master of Education Degree .....	259
E.C.E. Handicapped Endorsement .....	294
Economics, Course Descriptions .....	322
Education	
Course Descriptions .....	262
Certification and Endorsement .....	254
Graduate Degree Student .....	253
General Degree Requirements .....	253
Internships .....	265
Master of Arts and Master of Science Degrees in Interdisciplinary Studies .....	252
Education and Psychology, School of .....	252

Educational Administration	
Certification .....	286
Course Descriptions .....	288
Master of Education Degree .....	286
Professional Midmanagement, Administrator .....	286
Certificate .....	287
Professional Supervisor Certificate .....	287
Superintendent Certificate .....	287
English, Course Descriptions .....	310
English as a Second Language, Endorsement .....	310
Master of Arts Degree .....	308
Finance, Course Descriptions .....	248
General Business, Course Descriptions .....	249
Gifted and Talented Education	
Endorsement .....	295
Course Descriptions .....	298
Endorsement .....	295
Health and Exercise, Course Descriptions .....	271
Health and Kinesiology .....	266
Master of Arts and Master of Science Degrees in Interdisciplinary Studies .....	269
Master of Education Degree .....	266
History	
Course Descriptions .....	315
Master of Arts Degree .....	313
Interdisciplinary Studies	
Master of Arts Degree .....	306
Master of Science Degree .....	306
Journalism, Course Descriptions .....	327
Kinesiology	
Course Descriptions .....	271
Master of Science Degree .....	268
Liberal Arts	
Master of Arts Degree and Master of Science Degree in Interdisciplinary Studies .....	306
School of .....	306
Management, Course Descriptions .....	249
Marketing, Course Descriptions .....	251
Mathematics, Course Descriptions .....	339
Mathematics Master of Arts .....	333
Music Applied, Course Descriptions .....	319
Music Education, Course Descriptions .....	319
Music, Course Descriptions .....	318
Nursing	
Coordinated Master of Science in Nursing — Family Nurse Practitioner .....	344
Course Descriptions .....	347
Master of Science in Nursing Degree .....	341
Master of Science in Nursing Degree /MBA, .....	343
Philosophy, Course Descriptions .....	317
Physical Education, Course Descriptions .....	273

Political Science, Course Descriptions .....	323
Psychology	
Course Descriptions .....	282
Master of Arts Degree .....	274, 275
Master of Arts and Master of Science Degrees in Interdisciplinary Studies .....	280
Master of Science Degree .....	274
Public Administration	
Course Descriptions .....	324
Master of Public Administration .....	320
Reading	
Certification .....	290
Course Descriptions .....	292
Master of Arts Degree .....	290
Master of Education Degree .....	291
Sciences and Mathematics	
Master of Arts and Master of Science Degrees in Interdisciplinary Studies .....	330
School of .....	330
Seriously, Emotionally, Disturbed and Autistic .....	295
Sociology, Course Descriptions .....	325
Spanish, Course Descriptions .....	217
Special Education	
Generic .....	296
Course Descriptions .....	298
Master of Arts Degree .....	295
Master of Education Degree .....	296
Master of Education with Educational Diagnostician Certification .....	297
Generic Special Education Certification .....	294
Professional Educational Diagnostician .....	294
Speech Communication, Course Descriptions .....	328
Technology	
Course Descriptions .....	302
Master of Science Degree .....	301
Theatre, Course Descriptions .....	329
Training and Development, Course Descriptions .....	304



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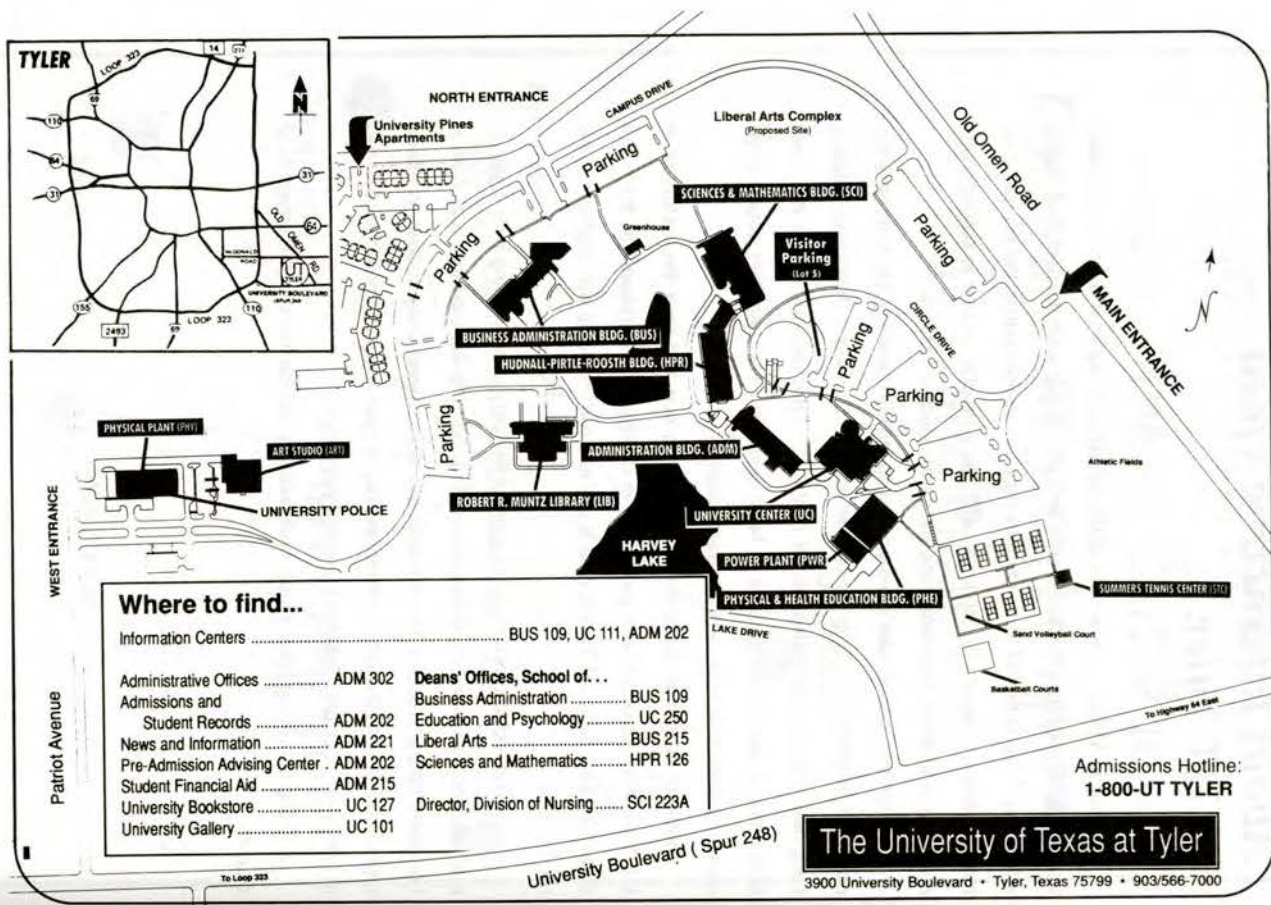
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