

UNIVERSITY COLLEGE

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UNIVERSITY COLLEGE

Phone: (512) 245-2218 Office: Academic Services Building North, Room 100
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In order to acquire the fundamental skills and cultural background that are the marks of an educated person, all students at SWT complete a program of general education core curriculum courses which serves as the common foundation for all majors and accounts for about 35 percent of the approximately 130 semester credit hours required for a bachelor's degree.

Conceptually, the general education core curriculum experience starts with a common integrative University Seminar taken by all students who have not completed an equivalent college-level course elsewhere, branches out to a series of component areas, and then moves on to the student's chosen major.

Thus, at the end of the bachelor's program, the student is prepared not only in a departmental field of study, but also in the general abilities of questioning, explaining, and learning that remain universally useful in a rapidly changing world. SWT graduates have the raw materials to build solutions as they fulfill career and civic responsibilities.

A list of courses and course choices which fulfill the general education core curriculum is given below. In many cases, the academic plans of various SWT colleges, departments, degrees, majors, and certifications modify or exceed these standards, so students are urged to carefully examine all sections of this catalog which apply to the academic program of their choice.

Depending on the catalog year assignment, students transferring from Texas public institutions of higher education will have to fulfill only those portions of the general education core curriculum not completed at their previous institutions. Students from private or out-of-state institutions or those who took coursework before the core curriculum was put into place (Fall 1999), will have their coursework evaluated to determine if it is equivalent to that required at SWT.

For all students, specific major requirements may override those in the core curriculum. Those who have completed the core requirement for college math, for instance, may have to complete Calculus if such is required by their major. In all cases, the major and core requirements applicable are those in the year catalog to which the student is assigned.

General Education Core Curriculum Components

Communication Component (9 hours)

ENG 1310 and 1320-College Writing, Parts I & II
 COMM 1310-Fundamentals of Speech

Mathematics Component (3-4 hours)

Choose one from:
 MATH 1315-College Algebra
 MATH 1316-Survey of Contemporary Mathematics
 MATH 1317-Plane Trigonometry
 MATH 1319-Mathematics for Business & Economics I
 MATH 2321-Mathematics for Life Sciences I
 MATH 2417-PreCalculus Mathematics
 MATH 2471-Calculus I

(See Mathematics Department section of this catalog for minimum test scores and/or prerequisites required to enroll in these courses. Students may have to complete MATH 1300 - Pre-College Algebra or MATH 1311 - Basic Mathematics before enrolling in College Algebra.)

Natural Science Component (7-8 hours)

(If both courses are from the same science, one course may be non-laboratory.)

ANTH 2414-Physical Anthropology
 BIO 1320-Modern Biology I (for non-majors)
 BIO 1421-Modern Biology II (for non-majors)
 BIO 1430-Functional Biology (for majors)
 BIO 1431 Organismal Biology (for majors)
 CHEM 1310-Introductory Chemistry for Non-Science Majors
 CHEM 1430-Chemistry for Non-Science Majors
 CHEM 1341/1141-General Chemistry I
 CHEM 1342/1142-General Chemistry II
 GEOL 1410-Physical Geology
 GEOL 1420-Historical Geology
 PHYS 1110, 1310, 1320-Elementary Physics
 PHYS 1140-Introductory Laboratory in Astronomy
 PHYS 1340-Astronomy: Solar System
 PHYS 1350-Astronomy: Stars and Galaxies
 PHYS 1410-General Physics I
 PHYS 1420-General Physics II
 PHYS 1430-Mechanics & Heat
 PHYS 2425-Electricity & Magnetism (Engineering Sequence)

Humanities & Visual and Performing Arts Component (9 hours)

ART, DAN, MU, TH 2313-Introduction to Fine Arts
 PHIL 1305-General Philosophy

Choose one from:

ENG 2310, 2320-British Literature before 1785, British Literature since 1785
 ENG 2330, 2340-World Literature before 1600, World Literature since 1600
 ENG 2359, 2360-American Literature before 1865, American Literature since 1865

Social and Behavioral Sciences Component (15 hours)

HIST 1310-History of the U.S. to 1877
 HIST 1320-History of the U.S., 1877 to date
 POSI 2310-Principles of American Government
 POSI 2320-Functions of American Government
 Choose one from:
 ANTH 1312-Cultural Anthropology
 ECO 2301-Economics of Contemporary Issues
 GEO 1310-World Geography
 PSY 1300-Introduction to Psychology
 SOCI 1310-Introduction to Sociology

SWT Component (3-4 hours)

US 1100-University Seminar

Choose two courses from:

PFW 1101-1139, 1150-1164, 1166-1225, or
 Take one course from the above and one from:
 PFW 1140, 1149, 1165; MU 1111C, 2111C, 3111C, 4111C (Marching Band)

A complete listing of the course offerings is available in the Health, Physical Education, Recreation and Dance Department section of this catalog and in the Schedule of Classes. Veterans with a DD214 discharge form or those with similar active duty in the National Guard, Reserves or Armed Forces of the United States or of another nation may receive up to 4 hours of PFW credit for that service. Students with documented disabilities should consult with the Health, Physical Education, Recreation and Dance Department for appropriate accommodations.

Writing Intensive

Certain SWT courses are designated as “writing intensive” and are labeled as (WI) in this catalog and the schedule of classes. In order to achieve this status, at least 65% of the course grade must be based on written assignments and a minimum of one extended piece of writing must be required. Academic colleges require a minimum of 9 credit hours of these courses for graduation. In addition to certain major and elective courses, the two History and one Philosophy course included in the general education core curriculum are writing intensive. These courses as well as other courses appropriate for writing intensive credit must be taken at SWT.

Undeclared Students and Advising

Students who have not yet decided on an academic major, or who are in the process of changing majors, may temporarily have undeclared status in University College. The College provides academic advising for these students and others who have questions about their academic plans and careers.

Transfer Students

Students transferring from other institutions of higher education will have their transcripts initially evaluated by the Undergraduate Admissions Office to determine which courses will apply to SWT requirements. Those seeking more specific evaluation of courses for fulfillment of general education core curriculum components may contact University College to initiate the process. Students should be prepared to provide documentation such as catalog descriptions, course syllabi and textbook information to facilitate verification of course content. Under the provisions of the Texas general education core curriculum, SWT must accept courses which fulfill the core curriculum at other Texas public institutions, and may not accept other courses unless they are equivalent to the required SWT course.

National Student Exchange

The National Student Exchange (NSE) is a University College program that offers SWT students a unique opportunity to expand their educational horizons by enrolling at a participating university for one or two semesters. Students can benefit from the NSE program by accessing different courses, internships, career options, and exploring graduate schools at over 174 colleges and universities around the nation while paying in-state tuition.

An exchange consists of a single semester or a full academic year of coursework at any college or university in the NSE consortium. Students can choose member institutions throughout 49 United States, as well as Guam, the U. S. Virgin Islands, and Puerto Rico. Credits earned at these host institutions can be transferred back to SWT, allowing students to maintain progress toward their academic objectives. For the privilege of NSE participation, SWT students enjoy in-state tuition and fees at their host institution on Plan A payment status, or 15 hours of coursework at SWT in-state rates on Plan B payment.

Applications for the NSE program are due in February for fall and spring exchanges. Interested students must have a full-time course load, have completed at least 30 hours, and maintain a 2.5 cumulative GPA. Requirements of the program include a completed application and a \$125 application fee. For more information about the National Student Exchange, contact University College or refer to the SWT-NSE web site at www.swt.edu/ucollege/nse

University Seminar

Phone: (512) 245-7952

Office: Academic Services Building – North, Room 410

Fax: (512) 245-7908

Web: <http://www.swt.edu/ucollege/universityseminar/index.html>

The University Seminar course should be taken during a student's first non-summer semester at SWT. Taught by approximately 100 faculty from every college of the university, the course introduces students to the process of college thinking by encouraging them to examine their present lives. Opening with the questions, "Who am I? What do I value? What do I want in life?", the course turns next to an investigation of the nature and purposes of a university. Finally, students are asked to relate these topics by exploring the connection between their university education and the lifestyle which they will build during and after college. This course presents the nature and structure of university education with special emphasis on the benefits and values of general education. University Seminar tries to help new SWT students think through a most important question: "Why am I here; why is a university education for me?" The one-hour Seminar, required of all students new to SWT who have not taken a similar college-level course elsewhere, is coordinated through University College. Distinct sections of the course serve freshmen and transfer students. These are labeled in the Schedule of Classes.

Course in University Seminar (US)

1100 University Seminar. (1-0) University Seminar is an introduction to the nature and aims of university education, with special emphasis on the value of broad learning.

University Honors Program

Phone: (512) 245-2266

Office: Academic Services Building – South, Room 317

Fax: (512) 245-8959

Web: <http://www.swt.edu/honors/>

The University Honors Program provides challenges and opportunities for talented students through a curriculum designed to enhance traditional courses of studies.

Honors classes are small seminars oriented around interactive discussion among students and their professors. Though specific topics vary, the courses normally cross traditional disciplinary boundaries and offer students an opportunity to pursue knowledge in an exciting and distinctive atmosphere. Recent offerings have included: Baseball and America; The Problem of Evil; Elementary Number Theory; Astronomy in Art, Literature, and History; Art and Artists; Catalysts of Social Change; and Science Fiction and Society.

The University Honors Program is housed on the third floor of the Academic Support Building-South (ASB-S). In addition to the Program offices, facilities include the Honors computer lab, a student lounge, and two classrooms.

Entering freshmen from the top 10 percent of their graduating class, or those with a composite score of 27 on the ACT or 1180 on the SAT are eligible to apply for admission to the program. Transfer or currently enrolled students with a GPA of at least 3.25 are also eligible to apply. To graduate in the University Honors Program, a student must complete at least five Honors Classes (which includes the Honors Thesis course) and maintain a minimum GPA of 3.25. Honors courses substitute for certain general education core curriculum and individual departmental requirements and thus become integral parts of the degree program.

SWT rewards completion of the University Honors Program requirements with recognition at commencement, a special transcript annotation, and an Honors Program graduation certificate as a supplement to the diploma.

All freshman/transfer applicants and currently enrolled students who have completed at least one Honors course may also apply for the Emmie Craddock Scholarships if, as freshmen applicants, they have a minimum ACT score of 27 or SAT score of 1200 or, transfer or continuing students, they have a GPA of 3.5 or above. Information about the Craddock Scholarships is available from the Director of the University Honors Program. Currently enrolled students who have completed 60 hours and at least one Honors course are eligible to apply for the James and Elizabeth Camp Scholarship if they have a GPA of 3.3 or above. Currently enrolled students who are in the University Honors Program and have a GPA of 3.5 or above may also apply for the B.J. and Stan Friedman Scholarship. Applications are available in the Honors Program office.

Recent Honors faculty include: M. Brennan (History), B. Brown (Geography), R. Brown (History), P. Cagniart (History), R. Cohen (English), P. Deduck-Evans (English), F. deLaTeja (History), J. Forrest (Modern Languages), T. Grimes (English), S. Hanson (English), T. Hindson (Political Science), E. Holt (English), P. Hutcheson (Philosophy), G. Joy (Philosophy), P. Leder (English), W. Liddle (History), D. Lochman (English), V. Luizzi (Philosophy), C. Martin (Modern Languages), T. McCabe (Mathematics), A. McKinney (Philosophy), M. Menninger (History), S. Morrison (English), D. Olson (Physics), R. Randolph (English), K. Ward (Political Science), M. Warshauer (Mathematics), and S. Wilson (English).

Courses in Honors (HON)

(WI) **1390 History of Ideas I. (3-0)** A course centering on selected aspects of culture, how these aspects contribute to people's understanding of themselves and their universe, and the relevance of these aspects to contemporary society. Examples: Greek Civilization; The Evolution of American Culture.

2370 Contemporary Issues in Mathematics and Computer Science. (3-0) An honors colloquium which addresses current issues in the natural sciences which have particular significance for today's society. Prerequisite: CS 1318 or MATH 1315/1319.

2380 Contemporary Issues in Natural Science. (3-0) A course which addresses current issues in the natural sciences which have particular significance for today's society. Prerequisite: 7-8 hours of natural science. Example: Astronomy in Art, History, and Literature.

2381 Mathematical Foundations of Science. (3-0) An honors colloquium which introduces liberal arts students to the fundamental ideas in science and provides the mathematical background necessary for an understanding of scientific subjects. Prerequisite: CS 1318 or MATH 1315/1319.

(WI) **2390 History of Ideas II. (3-0)** A course which explores humans' quest for an ideal society and the ideologies that quest has produced. Examples: Old and New World Philosophy; Ideal Societies.

(WI) **2391 History of Ideas III. (3-0)** A course which focuses upon intellectual and cultural developments in western history which have particular significance for contemporary society. Example: America in the Sixties; World Geographic Problems.

(WI) **3390 The Nature of Society. (3-0)** A course which probes some of the antecedents of modern society as reflected in the philosophy, art, science, and religions of the medieval and early modern era of western Europe. Examples: Renaissance Concepts of Humanity; Arts and the Humanities.

(WI) **3391 The Nature of Man. (3-0)** A course which explores some of the philosophical and ethical problems in the realms of modern science, technology, urbanism, and social and cultural change. Examples: Shaping of the Modern Mind; Philosophical Exploration in Film.

(WI) **3392 The Nature of the Human Experience I. (3-0)** A course which explores some of the historical, philosophical, and cultural aspects of our relationship to each other and to our society.

(WI) **3393 The Nature of the Human Experience II. (3-0)** A course which focuses on some of the cultural, historical, technological, philosophical and ideological aspects of the modern world.

(WI) **4390A Thesis Research Methods. (3-0)** A course in which students who intend to prepare an Honors Thesis meet to discuss research techniques and their thesis projects, and to do basic research, in an atmosphere which provides the background and supervision needed to complete the thesis successfully. It is recommended that students enroll in this course the semester before they enroll in the Honors Thesis course (HON 4390B).

(WI) **4390B Honors Thesis. (3-0)** A conference course designed to allow students to pursue an independent project of research, study, or creative achievement, which culminates in a paper, laboratory or field research problem, or creative effort of some size and scope.

Mathworks

Phone: (512) 245-3439 Office: Academic Services Building 110
Fax: (512) 245-1469 Web: <http://www.mathexplorer.math.swt.edu/>

Included in this office are a variety of programs targeted at mathematically gifted public school students and teachers. The Honors Summer Math Camp takes place on campus while other programs are offered both here and at public school sites throughout the state of Texas. Mathworks also publishes a newsletter for math students and teachers.

Student Learning Assistance Center

Phone: (512) 245-2515 Office: Alkek Library 411
Fax: (512) 245-3002 Web: <http://www.swt.edu/slac/>

A growing number of students are finding that in order to be successful in college, they need outside tutoring in study skills and test preparation. Others with satisfactory test-taking and study skills may find they need help in specific courses. To help meet these needs, the Student Learning Assistance Center (SLAC) provides a wide range of free services.

SLAC provides students with a drop-in learning lab, Supplemental Instruction, campus presentations, and online services in writing and mathematics.

Currently enrolled students are eligible for tutoring and schedules are available at the SLAC lab in the Alkek Library. Lab materials such as books, study guides, audio and videotapes, and computer-assisted instructional software offer a wide range of topics and levels, from correcting comma splices to preparing for graduate college.

Among subject areas in which SLAC gives academic assistance are accounting, science, English, statistics, CIS, history, philosophy, languages, and math. In addition, the staff and student paraprofessionals provide help in the development of such skills as reading textbooks, taking tests, taking notes, overcoming procrastination, managing time, and setting goals. (The Online Writing Lab (OWL) and Math Online Lab (MOL) provide tutoring in an electronic format accessible from SLAC's homepage.)

Many students also visit SLAC for assistance in preparing for the Texas Academic Skills Program (TASP) test and admissions tests for graduate (GRE), law (LSAT), and business (GMAT) colleges as well as local tests such as the Mass Communication Department's Grammar, Spelling, and Punctuation (GSP) test. (Students can also get online academic assistance for the GSP, again at SLAC's homepage).

SLAC supervises a Supplemental Instruction (SI) program in cooperation with the Office of Residence Life. Supplemental Instruction sessions are held in various residence halls, as well as other campus locations, for selected history, math, English, and science courses. SI sessions blend course content and ways to study the material and are led by specially trained peer leaders. SLAC staffs and supervises all SI sessions.

On request, the SLAC Presentations staff will design specialized programs on study skills and academic improvement to fit the needs of a campus club, organization, or professor.

Academic Skills Program

Phone: (512) 245-3942 Office: Academic Services Building-North 101
Fax: (512) 245-7648 Web: <http://www.swt.edu/tasp/>

The office which monitors the Texas Academic Skills Program (TASP) testing mandatory for certain college freshmen and transfer students is located within the University College. Further information on this test and its requirements is given in the Academic Policies section of this catalog.

The TASP office also houses an Athletic Certification Officer responsible for monitoring the academic eligibility of SWT's student-athletes.

Testing, Research-Support and Evaluation Center

Phone: (512) 245-2276 Office: Lower Commons Hall
Fax: (512) 245-2903 Web: <http://www.swt.edu/trec/>

The Testing, Research-Support and Evaluation Center (TREC) administers national, state and local academic testing programs, including the Credit by Examination program. The TREC also maintains information and registration materials for several tests not administered at SWT.

Among national tests available at SWT are: the American College Test (ACT), a college entrance examination consisting of subtests in English, Mathematics, Reading and Science reasoning; and the Scholastic Aptitude Test (SAT), a college entrance examination measuring verbal and mathematical skills.

Tests for which the TREC maintains only registration materials include: the Graduate Record Examination (GRE), required for admission to most graduate schools; the Graduate Management Admissions Test (GMAT), required for most business schools; the Law School Admissions Test (LSAT); the Test of English as a Foreign Language (TOEFL) and the PRAXIS Series Professional Assessments for Beginning Teachers.

The TREC is also a testing center for the Texas Academic Skills Program test (TASP) which students must take before enrolling in any college coursework (see Academic Policies section).

Students who do not achieve an SAT math score of at least 480 or an ACT math score of at least 21 should take a math placement exam administered by the Testing, Research-Support and Evaluation Center. The examination determines which students must first enroll in MATH 1300 (Pre-College Algebra) and/or MATH 1311 (Basic Mathematics) before they can enroll in the appropriate required general education core curriculum math course.

Credit by Examination is a program that recognizes many students, independent of the college environment, have attained college-level proficiency in academic subjects. Credit by exam satisfies degree requirements in the same way as does credit earned by passing courses except that it does not count as credit earned in residence. Students who pass the same test as those who have successfully completed the course, can earn credit for certain courses without enrolling in them. The following options are available: 1) the College Board's Advanced Placement Examination Program (APP), 2) College Level Examination Program (CLEP), 3) SAT II Subject Tests, 4) International Baccalaureate (IB) Program, and 5) departmental examinations where available. Credit established in this manner through the TREC will be recorded as "credit only" ("CR") on the transcript and will not affect the GPA. SWT is an institutional testing center and only those students who have attended SWT or are currently enrolled are eligible to participate in the Credit by Examination program. More detailed materials on this and other TREC programs are available at the TREC office.