



1-1-2003

Sayre: Undergraduate Catalog 2003-2005

Southwestern Oklahoma State University

Description

This catalog describes courses offered at Southwestern Oklahoma State University at Sayre, Oklahoma during the 2003-2005 academic year.

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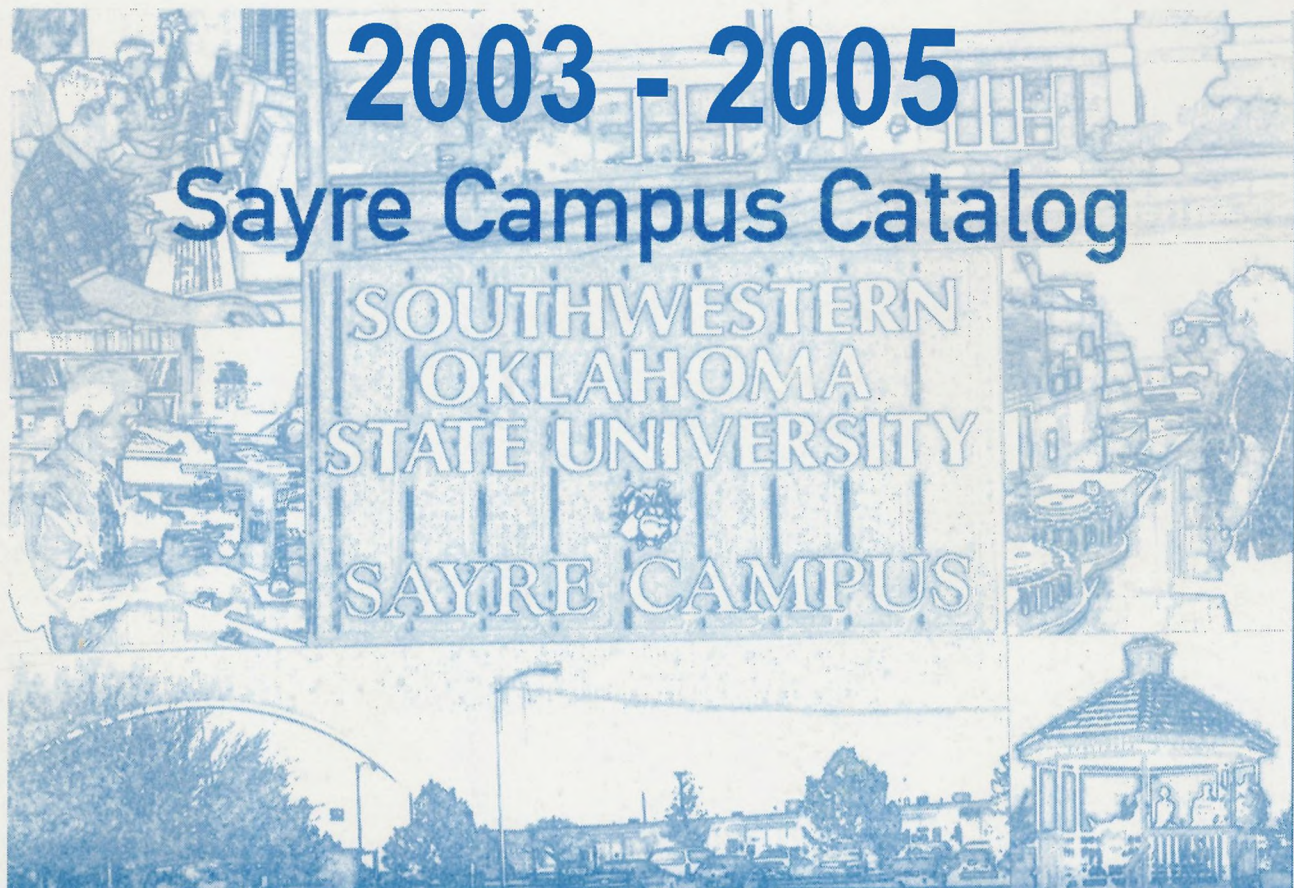
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Southwestern Oklahoma State University



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SWOSU

Southwestern Oklahoma State University

at
Sayre, Oklahoma



Visit our website <http://www.swosu.edu/sayre>

2003-2005

Dedicated to the memory of
C. Michael McKinney.

Without his labors, completion of this
volume would have been much more difficult.



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Curricula Changes

The University reserves the right to recommend changes in curricula, degree requirements, course offerings, and all academic regulations at any time when such changes are for the best interest of the students and the University. All changes must be approved by the Board of Regents for Oklahoma Colleges and the Oklahoma State Regents for Higher Education. Certain program modifications reflected in this publication are pending approval.

Fee Statement

Fees stated in this catalog are those in effect during the 2003-2005 school years. Current schedule of fees is available upon request.

Affirmative Action Compliance Statement

Southwestern Oklahoma State University, in compliance with Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 503 of the Rehabilitation Act of 1973, Section 402 of the Readjustment Assistance Act of 1974, Americans With Disabilities Act of 1990 and other Federal laws and regulations, does not discriminate on the basis of race, color, national origin, gender, age, religion, disability, or status as a veteran in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, financial aid, and educational services.

Accreditation Statement

Southwestern Oklahoma State University-Sayre and its academic programs are accredited by the following agencies:

North Central Association of Colleges and Secondary Schools
30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504 312-263-0456

Oklahoma State Board of Education
2500 North Lincoln Boulevard, Oklahoma City, OK 73105-4599 405-521-3308

Accrediting Bureau of Health Education Schools
803 West Broad Street, Suite 730, Falls Church, VA 22046 703-533-2082

Joint Review Committee for Education in Radiologic Technology (JRCERT) of the United States
Department of Education
20 North Wacker Drive, Suite 900, Chicago, IL 60606-2901 312-704-5300

Commission on Accreditation in Physical Therapy Education, American Physical Therapy Association
1111 North Fairfax Street, Alexandria, VA 22314

Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA)
4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220 301-652-2682

Cost Statement

This publication, printed by the University Press, is issued by Southwestern Oklahoma State University as authorized by Dr. John M. Hays, President. A total of 1000 copies has been prepared for distribution at a cost to the taxpayers of the State of Oklahoma of \$3,500.

SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

ACADEMIC CALENDAR 2003-2004

***FALL SEMESTER 2003**

August 15	Friday	Freshman Orientation Clinic
August 18	Monday (8:30 a.m.)	Faculty Workshop
August 19	Tuesday	Enrollment for students who did not pre-enroll
August 20	Wednesday (8:00 a.m.)	Classwork begins
August 25	Monday (4:30-6:00 p.m.)	Enrollment for Mon. night students who did not pre-enroll
August 25	Monday (as scheduled)	Monday night classes meet
August 29	Friday (4:30 p.m.)	Last day to add classes
September 1	Monday	Labor Day Holiday
September 3	Wednesday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
October 15	Wednesday (10:00 p.m.)	Fall break begins
October 20	Monday (8:00 a.m.)	Classwork resumes
November 25	Tuesday (10:00 p.m.)	Thanksgiving vacation begins
December 1	Monday (8:00 a.m.)	Classwork resumes
December 15	Monday (as scheduled)	Final exams for Monday night classes
December 11, 12	Thursday, Friday	Final exams
December 15-17	Monday-Wednesday	Final Exams
December 17	Wednesday (10:00 p.m.)	Semester break begins
December 18	Thursday (12 noon)	Final grades due
December 19	Friday	Semester ends

***SPRING SEMESTER 2004**

January 7	Wednesday	Enrollment for students who did not pre-enroll
January 8	Thursday (8:00 a.m.)	Classwork begins
January 12	Monday (4:30-6:00 p.m.)	Enrollment for Mon. night students who did not pre-enroll
January 12	Monday (as scheduled)	Monday night classes meet
January 16	Friday (4:30 p.m.)	Last day to add classes
January 21	Wednesday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
TBA	Friday (5:00 p.m.)	Spring break begins
TBA	Monday (8:00 a.m.)	Classwork resumes
April 29-30, May 3-5	Thurs., Fri., Mon.-Wed.	Final examinations
May 3	Monday (as scheduled)	Final exams for Monday night classes
May 6	Thursday (5:00 p.m.)	Final grades due
May 7	Friday (7:00 p.m.)	Convocation
May 8	Saturday	Semester ends

***SUMMER SEMESTER 2004**

May 31	Monday	Enrollment for students who did not pre-enroll
June 1	Tuesday (8:00 a.m.)	Classwork begins
June 3	Thursday (4:30 p.m.)	Last day to add classes
June 7	Monday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
June 25	Friday	Final exams for the 1st 4 week classes
July 5	Monday	Independence Day Holiday
July 27, 28	Tuesday, Wednesday	Final exams and final exams for the 2nd 4 week classes
July 28	Wednesday (5:00 p.m.)	Final grades due
July 29	Thursday	Semester ends

***See early enrollment dates listed in class schedules.**

SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

ACADEMIC CALENDAR 2004-2005

***FALL SEMESTER 2004**

August 13	Friday	Freshman Orientation Clinic
August 16	Monday (8:30 a.m.)	Faculty Workshop
August 17	Tuesday	Enrollment for students who did not pre-enroll
August 18	Wednesday (8:00 a.m.)	Classwork begins
August 23	Monday (4:30-6:00 p.m.)	Enrollment for Mon. night students who did not pre-enroll
August 23	Monday (as scheduled)	Monday night classes meet
August 27	Friday (4:30 p.m.)	Last day to add classes
September 6	Monday	Labor Day Holiday
September 8	Wednesday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
October 13	Wednesday (10:00 p.m.)	Fall break begins
October 18	Monday (8:00 a.m.)	Classwork resumes
November 23	Tuesday (10:00 p.m.)	Thanksgiving vacation begins
November 29	Monday (8:00 a.m.)	Classwork resumes
December 13	Monday (as scheduled)	Final exams for Monday night classes
December 9, 10	Thursday, Friday	Finalexams
December 13-15	Monday-Wednesday	Final Exams
December 16	Thursday (12 noon)	Final grades due
December 17	Friday	Semester ends

***SPRING SEMESTER 2005**

January 5	Wednesday	Enrollment for students who did not pre-enroll
January 6	Thursday (8:00 a.m.)	Classwork begins
January 10	Monday (4:30-6:00 p.m.)	Enrollment for Mon. night students who did not pre-enroll
January 10	Monday (as scheduled)	Monday night classes meet
January 14	Friday (4:30 p.m.)	Last day to add classes
January 19	Wednesday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
TBA	Friday (5:00 p.m.)	Spring break begins
TBA	Monday (8:00 a.m.)	Classwork resumes
May 9	Monday (as scheduled)	Final examinations for Monday night classes
April 28, 29 & May 2-4	Thurs., Fri., Mon.-Wed.	Final examinations
May 5	Thursday (5:00 p.m.)	Final grades due
May 6	Friday (7:00 p.m.)	Convocation
May 7	Saturday	Semester ends

***SUMMER SEMESTER 2005**

June 6	Monday	Enrollment for students who did not pre-enroll
June 7	Tuesday (8:00 a.m.)	Classwork begins
June 9	Thursday (4:30 p.m.)	Last day to add classes
June 13	Monday (4:30 p.m.)	Last day to drop a class or totally withdraw for a refund
July 1	Friday	Final exams for the 1st 4 week classes
July 4	Monday	Independence Day Holiday
August 2, 3	Monday, Tuesday	Final exams and final exams for the 2nd 4 week classes
August 3	Wednesday (5:00 p.m.)	Final grades due
August 4	Thursday	Semester ends

***See early enrollment dates listed in class schedules.**

Administration

State Officials and Governing Boards

Governor

The Honorable Brad Henry Oklahoma City

Oklahoma State Regents for Higher Education

Dr. Paul G. Risser, Chancellor Oklahoma City
Carl Renfro, Chairman Ponca City
Bill W. Burgess, Jr. Lawton
Joseph E. Cappy Tulsa
Marlin "Ike" Glass Newkirk
James D. Harrell Leedey
Cheryl Hunter Edmond
John Massey Durant
Joe L. Mayer Guymon
Leonard J. Eaton Tulsa

The higher education system in Oklahoma is governed by the State Regents for Higher Education who oversee the individual governing boards for each university and college in the system. Regents are appointed by the governor.

Board of Regents of Oklahoma Colleges

Bette Leone, Executive Director Oklahoma City
Janice Gordon, Chairman.....Broken Arrow
Belva P. Howard Tulsa
Mark Stansberry Edmond
Sandy Garrett (*ex officio*)..... Oklahoma City
Marseda Garrison Elk City
Ann Holloway Ardmore
Steve Poag Chickasha
Richard Ryerson Alva
Michael Thompson Oklahoma City

Southwestern Oklahoma State University is governed by an eight-member board which oversees curricula, budget and accreditation matters. The board members are appointed by the governor.

Department of Public Instruction

Sandy Garrett, State Superintendent Oklahoma City
Andy Young, Deputy State Superintendent Oklahoma City
A. Lealon Taylor, Chief of Staff Oklahoma City
Tom White, Assistant State Superintendent
for Federal Fiscal Services Oklahoma City
Ramona Paul, Assistant State Superintendent
for Professional Services Oklahoma City
Delana Smiley, Division Coordinator
for School Improvement Services Oklahoma City
Misty Kimbrough, Interim Assistant State Superintendent
for Special Education Services Oklahoma City
Bill Butler, Assistant State Superintendent for
Accreditation/Standards Oklahoma City
Harriot LaGrone, Assistant State Superintendent
for Financial Services Oklahoma City

The University works closely with the State Board of Education since the University is involved with training educators at all levels of public and private instruction.

State Board of Education

Sandy Garrett, Chairperson	Oklahoma City
Casey Kilblane.....	Davis
Dr. Debra C. Blue	Shawnee
Luke Corbett	Edmond
Linda K. Gragg	Muskogee
Mary Nichols	Tulsa
Michelle Stephens	Weatherford

State Board of Pharmacy

Janis K. McAllister, President	Woodward
Jerry Allen	Weatherford
James O. Spoon	Sand Springs
Tom Dudley	Oklahoma City
William "Bill" Osborn.....	Miami
Robert Summers	Tulsa

Oklahoma Board of Nursing

Kim Blazier, R.N., M.Ed., Executive Director.....	Kingfisher
Sandra Bazemore, R.N., M.S., President	Dibble
Sue Mitchell, RN., Vice President.....	Woodward
Cynthia Foust, R.N., Ph.D., Secretary-Treasurer	Thomas
Deborah Booton-Hiser, R.N., Ph.D., ARNP	Harrah
Audrey Baugh, L.P.N.....	Davis
Brenda Scarborough, L.P.N.....	Lawton
Teresa Frazier, R.N., M.S.	Fairland
Bobbie Treadwell, Public Member	Lindsay
Lee Kirk, Public Member.....	Vian
Karen Fletcher, R.N.	Tulsa
Heather Sharp, L.P.N.	Oklahoma City

SWOSU at Sayre is a branch campus of one of six regional universities in Oklahoma and falls under the same curricula guidelines which are approved by the Regents of Oklahoma Colleges, the governing board of those regional universities.

State Regional Universities

Governed by the Board of Regents of Oklahoma Colleges

University of Central Oklahoma, Edmond	Dr. Roger Webb, President
East Central University, Ada	Dr. Bill S. Cole, President
Northeastern State University, Tahlequah	Dr. Larry Williams, President
Northwestern Oklahoma State University, Alva	Dr. Paul B. Beran, President
Southeastern Oklahoma State University, Durant..	Dr. Glen D. Johnson, President
Southwestern Oklahoma State University, Weatherford	Dr. John M. Hays, President

Administrative Officers of the University

JOHN M. HAYS (1972) President
B.S., C.P.A., Southwestern Oklahoma State University
M.Ed., Southwestern Oklahoma State University
Ed.D., University of Oklahoma

BETTIE BECKER (1988) Provost
B.A., M.Ed., Southwestern Oklahoma State University
Ph.D., Kansas State University

TOM FAGAN (1996) Vice President for Administration and Finance
B.S., M.B.A., Southwestern Oklahoma State University
B.S., Panhandle State University

VILAS PRABHU (1980) Associate Provost for Academic and Student Affairs
B.S., University of Bombay
M.S., Idaho State University
M.B.A., Southwestern Oklahoma State University
Ph.D., University of Texas

JIM R. JAMES (2002) Dean of Associate and Applied Programs and Sayre Campus
A.S., Northern Oklahoma College
B.A., Southwestern Oklahoma State University
M.Ed., University of Central Oklahoma
Ed.S., Fort Hays State University
Ed.D., Nova Southeastern University

Administrative and Professional Staff

EARL BALES (2001) Network Administrator/
Computer Science Instructor
B.S., M.Ed., Southwestern Oklahoma State University

TERRY BILLEY (1995) Administrative Assistant
A.S., Sayre Junior College

SHIRLEY BOUND (2003) Interactive Video Room Coordinator

LANDRY BREWER (1999) Registrar Secretary
A.S., B.S., Southwestern Oklahoma State University

SUSIE CAMPBELL (1997) Business Office Secretary
A.S., Southwestern Oklahoma State University

JANICE HODGE (1985) Librarian
A.S., Southwestern Oklahoma State University

DIANNA MOSBURG (1981) Assistant Librarian
A.S., Southwestern Oklahoma State University

University Officials

University Faculty

MELINDA OLSON(1995) Director of Counseling and Assessment
B.S., Oklahoma State University
M.Ed., Southwestern Oklahoma State University

KARRON RHODES(1998) Financial Service Secretary and Receptionist

KIM SEYMOUR(1988) Registrar
B.B.A., Texas Tech University

TERI WILLIAMS(2003) Director of Student Financial Services with Recruitment Duties
B.B.A., Southwestern Oklahoma State University

LINDA WOODRUFF(1981) Business Officer
A.S., Sayre Junior College
B.S., Southwestern Oklahoma State University

University Faculty

KATHY BROOKS (1977) Director of Medical Technology/Science
M.M.T. (ASCP), M.T. (AMT); B.S., Central State University
M.Ed., Southwestern Oklahoma State University

E. ROXANN CLIFTON (1988) Allied Health Science
A.S., Sayre Junior College
M.T. (AMT); B.S., M.Ed., Southwestern Oklahoma State University

DAYNA COKER.....Math/Computer Science
A.S., Sayre Junior College
B.S., M.Ed., Southwestern Oklahoma State University

TOMMYE DAVIS (1990) Science
B.S., M.Ed., Southwestern Oklahoma State University

SCOTT FRONEBERGER (1989) Psychology/Social Science
B.A., M.Ed., Southwestern Oklahoma State University

JUDY HAUGHT (1988) Language Arts/Library Science
B.A., M.Ed., Southwestern Oklahoma State University

JESS PARKER (1999) Radiologic Technology
A.A.S., M.Ed., Southwestern Oklahoma State University
B.S., Oklahoma State University

CHRIS STUFFLEBEAN(1998) Director, Radiologic Technology
A.A.S., B.S., M.B.A., Southwestern Oklahoma State University

BILL SWARTWOOD (1998).....Math/Science
A.S., Sayre Junior College
B.S., M.Ed., Southwestern Oklahoma State University

KAREN SWEENEY (2001)..... Computer Science/Business
B.S., Southwestern Oklahoma State University

JEANENE WILLIAMS (1981) Language Arts/Humanities
B.A., M.Ed., Southwestern Oklahoma State University

PATSY WOOTTON (1999) Business/Computer Science
B.S., M.Ed., Southwestern Oklahoma State University

THOMAS WORLEY (1987) Political Science
B.S., Southwestern Oklahoma State University
M.S., Oklahoma State University

University Faculty

University Adjunct Faculty

DAVID ATTERBERRY Physical Education
B.S., Oklahoma State University

JY BASS Physical Therapy
A.A.S., B.S., M.Ed., Southwestern Oklahoma State University

RONALD DUFFIELD Social Science
B.A., M.Ed., Southwestern Oklahoma State University

LAMAE GREEN Physical Therapy
B.S., Langston University

BRETT A. GREEN Physical Therapy
A.A.S., Southwestern Oklahoma State University
B.S., University of Science and Arts of Oklahoma

DANIEL MOORE Technology Coordinator
B.S., Cameron University

STACEY PARSONS Occupational Therapy
A.A.S., Southwestern Oklahoma State University

SHERRI ROBERTSON..... Occupational Therapy
B.S., Texas Woman's University

TERRY WRIGHT Electronics Technology
B.S., Oklahoma State University

General Information

Southwestern Oklahoma State University offers four advanced degrees. The Master of Education degree was inaugurated in 1969. (The Master of Teaching Degree was offered during the period 1953- 1969.) Graduate programs leading to the following degrees have been added since 1969: Master of Business Administration, 1977; Master of Music, 1981; and a professional doctorate, the Doctor of Pharmacy (PharmD), 1998.

MISSION AND PURPOSES

Southwestern Oklahoma State University is one of twenty-five institutions in the Oklahoma State System of Higher Education (Oklahoma Constitution, Article XIII-A, Section 1). The Oklahoma State Regents for Higher Education is the legal structure for public education at the collegiate level and is the coordinating board of all state institutions for higher education. Southwestern is one of six state supported regional universities governed by the Board of Regents of Oklahoma Colleges. Southwestern Oklahoma State University provides access to higher education for all individuals without discrimination on the basis of race, national origin, gender, or disability status.

The mission of Southwestern Oklahoma State University is to provide educational opportunities in higher education that meet the needs of the state and region; contribute to the educational, economic, and cultural environment; and support scholarly activity. Major areas of study on the Weatherford campus, associate degree programs on the Sayre campus, the general education curriculum, and participation in student activities/organizations provide opportunities for students to obtain skills, knowledge, and cultural appreciation that lead to productive lives and effective citizenship.

The mission is manifest and the purposes of the University are accomplished through the following:

Insuring quality education, the University recruits qualified faculty without regard to national origin, race, gender, disability, age or religion. Faculty growth opportunities are provided through an organized faculty development program. Excellence in teaching, scholarship, and service are encouraged and recognized. An organizational and intellectual environment is provided that insures freedom of individual expression and inquiry, provides representative governance for all members of the University community, and promotes student/faculty interaction. An assessment program provides the basis for continuous evaluation and program improvement.

Meeting its commitment to student development, the University recruits qualified students without regard to national origin, race, gender, disability, age, or religion and provides a community that encourages participation in intellectual and physical activities and leadership development. A curriculum is provided that develops communication and analytical skills; a comprehension of the arts, humanities, and cultural diversity; and knowledge of the scientific/technological world and of our historical heritage. Student orientation, advisement, enrichment, and participation in organizations and activities contribute to student growth and development.

The University Mission

The University Mission

Fulfilling its role as a cultural and educational resource for western Oklahoma, the University provides distance learning opportunities, continuing education associated with career enhancement, personal development, and cultural growth. Performances, exhibitions, and research that enhance knowledge and enrich society are supported and services to communities are provided through academic departments and other university agencies.

Southwestern Oklahoma State University at Sayre enables the university to focus its mission on that campus to provide lower division programs and educational opportunities in higher education that meet the needs of the Sayre campus student body.

The following institutional functions have been approved by the Oklahoma State Regents for Higher Education, and are considered essential components of the mission on the Sayre campus:

- To provide a lower division program of higher education for traditional and nontraditional students in Western Oklahoma and the Texas Panhandle.
- To provide a general education that enables students to become informed responsible citizens.
- To provide programs of education in the liberal arts and sciences leading to the Associate in Science degree through campus-based and distance learning.
- To provide career and technical programs to enable students to seek employment in various job fields, with completion of such programs culminating in the awarding of the Associate in Applied Science degree or an appropriate certificate.
- To provide transfer programs which include liberal arts, sciences, and pre-professional subjects, thus enabling students to pursue completion of baccalaureate or professional degrees at four-year colleges and universities.
- To provide courses, services, and programs in remedial education for individuals who require such assistance in order to function effectively at the collegiate level.
- To provide guidance services and a program of students activities for the promotion of personal development and effective citizenship.

The University's academic organization includes schools of Arts and Sciences, Business, Education, Health Sciences, Graduate Studies, and a two-year branch campus at Sayre. Each of these entities and their subdivisions establish specific objectives that contribute to the achievement of University objectives.

Campus Location

Southwestern Oklahoma State University at Sayre is approximately 125 miles west of Oklahoma City and 60 miles west of the SWOSU main campus in Weatherford. Located along historic Highway 66, Sayre has about 4,100 residents according to the U.S. census and is the county seat of Beckham County. The community has a municipal park with a public swimming pool, tennis courts, playgrounds, picnic areas, overnight camping facilities, an exercise track, and a nine-hole golf course; a hospital; an airport; the Shortgrass Museum; churches of various denominations; a Chamber of Commerce, Kiwanis, Lions, Rotary, and other civic clubs. Nearby are museums, historic sites, and the recreational facilities of the Sandy Sanders Wildlife Management Area, Quartz Mountain State Park, and Foss Reservoir State Park.

Historical Background

Southwestern Oklahoma State University at Sayre was founded as Sayre Junior College in 1938 under legislative authorization which permitted public high schools to add a 13th and 14th year of study to their curricula. In 1940, the college name was changed to Oklahoma Western Junior College; however, the original name was soon adopted again, and in May 1940 the first degrees were conferred.

America's entry into World War II decimated the ranks of both faculty and students. Consequently, the college closed during the war years, but reopened in 1946. In 1956, Sayre Junior College moved from facilities occupied jointly with Sayre High School into separate facilities, a gymnasium and a classroom building, in the northeast corner of Sayre. In 1960 two additional classroom buildings were added, and in 1968 the Mackey Hall dormitory was opened. Changes in the physical plant have continued with expansion of the main classroom building; the addition of new classrooms, conference room, and student services facilities; and the conversion of Mackey Hall to classroom space and library facilities.

In July 1987 by act of the Oklahoma legislature, Sayre Junior College was merged with Southwestern Oklahoma State University. The campus serves western Oklahoma and the Texas panhandle within a 60 mile radius of Sayre. It offers open admission to high school graduates as well as to students who do not hold a high school diploma. Fully accredited, SWOSU at Sayre offers Associate of Science and Associate of Applied Science degrees in both general and specialized areas of study.

The University Campus



The University Campus

Campus Description

The Southwestern Oklahoma State University at Sayre campus is located in the northeast section of Sayre, Oklahoma. All classrooms and administration buildings are properly heated and air conditioned. Campus facilities include:

ALEXANDER BUILDING: This building was completed in 1956 and named after former president of Sayre Junior College, Arch Alexander. It contains classrooms, laboratory facilities for biological and physical sciences, and faculty offices. The building also houses the administrative offices of the Dean, Financial Aid, Business Office, Registrar and Admissions, the Counselor, and Information Technology.

CONNER BUILDING: The Conner Building was built in 1965 and named after former Sayre Junior College President, Paul Conner. The building was completely remodeled in 1991. It now houses the Allied Health lecture rooms, laboratories, faculty offices and a large seminar room.

STUDENT CENTER: The building, completed in 1994, is located south of Patterson Field House and contains a student lounge, snack bar, and the Follett bookstore.

MACKEY HALL: Mackey Hall, built in 1968, is a combination of classrooms equipped for business and computer science courses and large lecture rooms. Additionally, conference and activity rooms, laboratories, special skills services, and offices for faculty and the Radiology Program are located in this building. The Oscar H. McMahan Library is located in the northwest wing of Mackey Hall.

PATTERSON FIELDHOUSE: This building was completed in 1957 and was named for former Sayre Junior College President, Harry Patterson. The building houses athletic offices, physical education facilities, a 350-seat gymnasium, and a fitness center.

CAPPS BUILDING: The former student center, this building houses a computer science classroom. The building has been named for Senator Gilmer Capps for his outstanding services to education.

FITNESS CENTER AND WALKING TRACK: Located in the Patterson Field House, the SWOSU at Sayre Fitness Center is equipped with a variety of equipment to cover a broad range of workouts. A walking/jogging track and small park that includes a sand-based volleyball court are located behind the Patterson Field House.



In-Service Education

The University offers four types of in-service education.

- Conferences, short courses, and workshops
- Evening campus classes
- Adult education classes
- Continuing education programs for registered Medical Laboratory Technicians and Radiologic Technologists

Educational Information Center

The basic purpose of the Educational Information Center is to make information about post-secondary educational and occupational programs readily available to citizens. The EIC office, located in the Counselor's Office, is a significant source of support for traditional students, as well as for the large number of adults seeking upgrading of skills, retraining for new jobs, educations for entry or re-entry into the job market, and enjoyment of retirement leisure time. Computerized programs such as *Discover* are available to provide college and career guidance. The EIC offers access to Academic Advisement, Career Information and Guidance, and Related Educational Services.

Students With Disabilities

The Americans with Disabilities Act (ADA) requires the provision of "reasonable accommodations" to those qualified individuals with disabilities by providing equal, non-discriminatory program access in the academic setting.

Students need to take the verifying documentation to the Office of Counseling and Assessment, where it will be kept confidential and private. In most cases, verifying documents can be obtained from doctors, licensed psychologists or other professionals licensed to determine the existence, severity and characteristics of the disability or disabilities. This documentation should include the functional impact of the disability. It is the student's responsibility to request documentation from such professionals, and to request a record of accommodations received at any other educational institution. If accommodations are needed, the student should provide the information and documentation in a reasonably early manner to allow time for the development and arrangement of appropriate accommodations. In some cases, as when books on tape need to be requested, documentation should be provided several weeks prior to the beginning of each semester so accommodation arrangements can be made in a timely manner.

The Oscar H. McMahan Library

Named for former superintendent of Sayre schools and founder of Sayre Junior College Oscar H. McMahan, the library is located in Mackey Hall room 118 and is easily accessible to all patrons. The library's goal is to provide materials and services that will support course instruction and stimulate individual reading and research. An on-line library catalog and current research information via the Internet are made possible by fiber optics. A variety of databases are available through the library homepage. The library subscribes to SIRS, an on-line database, and shares many on-line databases with the Weatherford campus library. The library homepage also shows current business hours and holiday schedules. Students can take advantage of the inter-library loan services to borrow or return books. Periodicals on paper and microfiche also enhance the library's collection. Staff personnel keep the library collection current and shelf ready.

Special Services and Departments

Special Services and Departments

Step Ahead Program

The Step Ahead program provides area high school students with the opportunity to earn college credit while still in high school. Students may enroll in summer, fall, or spring semesters if they meet criteria approved by the State Regents for Higher Education and their high schools. For more information see the section on Concurrent Enrollment in this catalog.

Advanced Standing Exams

The Office of Counseling and Assessment serves as a clearing house for students wishing to take advanced standing examinations. The advanced standing plan at Southwestern Oklahoma State University was established to give students an opportunity to begin college work on the level commensurate with their demonstrated achievement. With certain limitations, all such achievement, once certified to be at the college level by this institution, receives appropriate academic credit. For more information see the section on Placement by Advanced Standing in this catalog.



Freshman Orientation

Freshman Orientation will be required for first-time freshmen to assist in their adjustment to the university. This course will be taken the first fall semester of enrollment and will cover basic skills assessment and an introduction to degree programs and other information relevant to university orientation and success. The one-credit-hour course meets for the first eight weeks of the semester and covers topics of interest to the university student such as campus orientation, time management, study techniques, library skills, note-and-test-taking skills and career guidance.

Academic Assessment and Advisement

One of the goals at SWOSU at Sayre is to provide the best opportunities for success. Academic success is closely related to how well students read, write, and perform mathematical computations. Therefore, when students come on campus to enroll, they are asked to provide counselors with ACT scores proving their competency in these areas and/or undergo on-site testing in the basic skills of reading, writing, and mathematics. Scores from these tests are used to determine course placement to match level of instruction with the students' academic skills.

The Oklahoma State Regents for Higher Education have established that an ACT score of nineteen (19) or better is an indicator for student readiness for college-level coursework. Scores below nineteen (19) on the ACT exam indicate a deficiency and require the student to undergo remediation. Developmental courses are offered and required for students who are deficient in the areas of study of mathematics, English and reading. For exemption from developmental coursework, first time entering freshmen must score either 19 or above on the ACT subtests in the areas of mathematics, English and reading or pass an appropriate assessment exam.

The counselor or faculty advisor assigned to the student at enrollment counsels and guides the student in planning academic work. The University Counselor or faculty advisors assist students in selecting courses to meet academic program requirements and in following proper procedures for schedule adjustments. Students are encouraged to work closely with faculty advisors or counselor throughout their academic careers at SWOSU at Sayre. Well informed academic decisions will help students successfully reach their goals. The students are reminded that although instructional faculty advisors, the counselor, and others are available to assist in planning, the students have the ultimate responsibility for planning their programs of study and for fulfilling all requirements and regulations of the college.

The Oklahoma State Regents for Higher Education require all colleges to administer additional "outcomes" assessment. Our mid-level assessment is accomplished within the general education courses. Faculty use curriculum-embedded methods such as exams, papers, projects, etc., for improvement of instruction. Students' performances on the National Registry exams also provide data for outcomes assessment. Assessment directly benefits the students because it provides a means of actively involving the students in their learning process.

Special Services and Departments

Special Services And Departments

Information Technology

Access to and knowledge of electronic resources are increasingly important for college students. State-of-the-art electronic technology provides students on the Sayre Campus a variety of classroom settings and learning tools as well as access to learning resources around the world, the university's Blackboard web-based course software, and faculty online course support pages.

A local area network makes library resources accessible from across the campus. It also makes applications software and general information available from any computer on campus. In addition, students may access the main campus library in Weatherford, on-line databases, and electronic search resources on campuses worldwide.

The Sayre Campus is one of many statewide hubsites for OneNet, the telecommunications and information network for Oklahoma, which links public schools, vocational-technical schools, colleges and universities, libraries, courts, and local, county, state, tribal and federal government agencies across the state. OneNet provides video teleconferencing and long-distance learning as well as access to public records, government agencies, and the Internet. OneNet is a partnership between the State and private telecommunications companies.

Using the latest fully interactive equipment, the Interactive Video Laboratories allow students on either the Sayre or Weatherford campus to enroll in selected classes generated on the other. This technology has increased course offerings on both campuses and allows students in Sayre to enroll in certain upper division classes not offered locally. It also provides general education course offerings to students in cooperative programs at selected vocational-technical schools. Additionally, students in rural high schools can participate in college courses without leaving their own campuses.

All students attending SWOSU-Sayre have access to a computer lab staffed each weekday. Students have access to the latest technologies including LAN, Digital Imaging, Desktop Publishing, advanced programming and the Internet. In addition students may use its applications software to prepare classroom assignments. Students may apply for email accounts with an SWOSU address as part of the technology fee assessed each student.

University Publications

The Faculty Handbook is compiled in the office of the Provost--Weatherford.
The Sayre Faculty Handbook is compiled by a faculty committee with assistance from the Office of the Dean.

The Office of Student Services--Weatherford is responsible for compiling and editing the *Student Handbook* for the Weatherford campus.
The Office of Counseling and Assessment--Sayre is responsible for compiling and editing the *Student Handbook* for the Sayre campus.

The *University Catalog* for the Sayre Campus is compiled by a committee appointed by the Dean of the Sayre Campus.

Westview: a Journal of Western Oklahoma is the official literary journal of the university, and is published by the Language Arts Department in the School of Arts and Sciences on the Weatherford campus.

The Staff Handbook is published by the Human Resources office.

University Sponsored Websites

In addition to faculty and administrative web sites, the university houses the web sites of the Oklahoma/Arkansas Region of *Phi Theta Kappa* and *Westview*, the university literary journal.

Student Activities



Student Activities

Student Organizations

All students are encouraged to become active in one or more campus organizations. In doing so, each student is able to associate with people who share common interests. Student organizations include the following:

Student Government Association (SGA)

The purpose of SGA is to bring about a closer relationship between the students and faculty and to promote student activities. Activities sponsored by SGA in the past include cookouts, entertainment assemblies, dances, playdays, campus improvement projects, parade participation to advertise the campus at Sayre, dress-up days, and other activities thought to be beneficial to those on campus. The SGA consists of a President, Vice President, Secretary, and representatives from each class. The offices of President, Vice President, and Secretary are filled by a vote of the student body in April. Class Representatives are elected by a vote of the student body each September. SGA officers must have completed 24 hours and maintain a 3.0 grade point average. Class representatives must also maintain a 3.0 grade point average.

Radiologic Technology Club

The Radiologic Technology Club promotes the advancement of careers in the field of Radiologic Technology; active participation in professional organizations; attendance at scheduled professional meetings, both regionally and statewide; and the sponsorship and support of educational seminars. The Radiologic Technology Club consists of all active members of the Radiologic Technology Program, in addition to two program faculty members acting in the capacity of sponsors. The Radiologic Technology Club is a non-profit, professionally-affiliated organization. Membership dues are \$15.00 annually per member. Officers include: the President, a sophomore student, elected annually by a majority vote of the members; duties include conducting scheduled meetings, acting as liaison between the club and other organizations, and coordinating club-sponsored activities; the Vice-president, a freshman student elected annually by a majority vote of the members; duties include conducting meetings in the absence of the president and assisting the president in various ways; a Secretary, a freshman student, elected annually by a majority vote of the members; duties include taking minutes at scheduled meetings and handling all correspondence and announcements pertinent to the club. (On occasion when the secretary is unavailable for meetings, the faculty sponsor will be responsible for the duties of Secretary); a Treasurer, a sophomore student, elected annually by majority vote of the members; duties include maintaining an accurate accounting of funds and reporting financial status at scheduled meetings, accepting dues, and, with the sponsors, maintaining the checking account for the club.

Medical Technology Club

Membership in the Medical Technology Club is required of all students enrolled in the Medical Technology Program. The club provides educational and social opportunities through participation in state and national seminars and workshops sponsored by the American Medical Technologists. The sophomore officers are elected in the spring semester, and the freshman officers are elected in the fall semester. All officers hold office for a one-year term. All officers must maintain an overall 2.0 grade point average to remain in office. Club dues of \$10.00 per year are collected in the fall semester.

Fund raising events are held each year. Monies raised are used for community projects and registry examination fees. Sophomore members are required to attend one state meeting. Each year a freshman is nominated for Medical Laboratory Technician Student of the Year. This student's application and qualifications are submitted to the American Medical Technologists to be considered for the National MLT Student of the Year. President --Sophomore member, Vice President--Freshman member, Secretary--Sophomore member, Treasurer--Sophomore member, two Sophomore representatives, and two Freshman representatives.

Phi Theta Kappa International Honor Society of the Two Year College Beta Iota Gamma Chapter

Phi Theta Kappa offers students opportunities for leadership, scholarship, university and community service, and fellowship. Membership is by invitation only to students with a grade point average above 3.5. Officers include a chapter President, Vice President/Treasurer, Recording Secretary, Parliamentarian, and Public Relations Secretary all elected by the members annually in the Spring. Invitations and inductions into the society occur each semester. In addition, society members are automatically included on the National Dean's List of the American Association of Community Colleges.



Student Activities

Student Activities

Phi Beta Lambda

Phi Beta Lambda is an association of post-secondary students who are preparing for careers in business. PBL is organized on the local, state, and national levels and includes chartered chapters in the U.S., Puerto Rico, Virgin Island, U.S. Territories, and Department of Defense Dependent Schools worldwide. Members participate in a broad range of projects and ventures including state and national conferences. Students have the opportunity to compete in state and national contests in their areas of expertise. Through participation in PBL, students are better prepared for careers, graduate school, and for life.

Computer Club

The Computer Science Club (ASC) encourages students to utilize their computer knowledge and skills. The club offers educational and social opportunities and is open to students majoring in Computer Science and Business. Membership dues are \$2.50 annually. Elections are held each fall for the offices of President, Vice President and Secretary.

Wesley Foundation

The Wesley Foundation encourages spiritual growth by providing opportunities for fellowship and support for all students. It is supported by the United Methodist Church and is closely affiliated with the Wesley Foundation on the main campus.

College Ministry Association

The College Ministry Association (CMA) is an interdenominational Christian fellowship sponsored by the state ministry of the General Baptist Convention. The CMA is open to all students who are seeking to develop their spiritual lives as they pursue their academic objectives. Located just north of the O.H. McMahan Library, the CMA provides a place where students can study, talk, have lunch, or play a game of ping-pong or fooseball in a friendly environment. Some of the weekly activities include free lunches on Wednesdays; Bible studies; and occasional fellowships. Some other activities that students have an opportunity to participate in are weekend retreats, mission trips, sporting events, and conferences designed for college students and their needs. CMA officers consist of a president and two council members. They are chosen from students who attend a fall leadership training conference.

General Enrollment Fees

TUITION LOWER DIVISION (1000 & 2000 Level Courses)

Resident Students, per semester hour	\$ 80.10
Non-Resident Students, per semester hour	\$179.85

TUITION UPPER DIVISION (3000 & 4000 Level Courses)

Resident Students, per semester hour.....	\$ 81.30
Non-Resident Students, per semester hour.....	\$191.75

Fees and Expenses

Admission Application Fee

One-time, non-refundable fee	\$ 15.00
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Fees For All Enrolled Students

Student Activity Fee, per semester hour.....	\$ 5.15
Student Center Fee, per semester hour.....	\$ 1.00
Assessment Fee, per semester hour.....	\$ 1.00
Student Identification Card, per semester.....	\$ 1.50
Safety Services Fee, per semester.....	\$ 5.00
Library Resources Fee, per semester hour.....	\$ 2.25
Technology Service Fee, per semester hour.....	\$ 7.00
Facility Fee, per semester hour.....	\$ 7.30
Cultural and Recreation Services Fee, per semester hour.....	\$ 1.00
Graduation and Records Fee, per semester hour.....	\$ 0.35

Charges For Special Services

Remedial Course Fee per semester hour in addition to tuition	\$ 20.00
Late Registration	\$ 5.00
Re-registration after withdrawal	\$ 5.00
Audit (without credit), each semester hour	Same charge as regular fees
Science Laboratory Fees	Cost of breakage
Electronic Media Fee (telecourses per semester hour in addition to tuition)	\$ 5.00
Off-site IAV Fee, per course.....	\$ 20.00

NOTE: Fees stated are those in effect during the school year. Since charges are subject to change, a current schedule of fees is available upon request.

Refunds

Refunds are for approved withdrawals from the institution (see current class schedule for calendar dates):

During the first ten days during a regular semester,
or during the first five days of a summer semester 85%

Classes dropped after ten class days of a regular semester,
or after five class days of a summer semester no refund

Any student, except for Title IV recipients who are first time attendees, who totally withdraws from the University enrollment during the defined add/drop period shall be charged an administrative amount of 15% of the total tuition and fees assessed to that student, excluding non-resident tuition. After the add/drop period, the charge shall be 100% of the total tuition and fees assessed to that student, including non-resident tuition.

Title IV recipients who are first time attendees shall be charged an amount equal to the amount not subject to refund as stated in the refund policy of the Oklahoma State Regents for Higher Education's Policies and Procedures Manual.

NOTE: Fees and tuition stated are those in effect when the catalog was printed. Since charges are subject to change, a current schedule of fees is available upon request.

Fees



Admissions

All matters regarding admission to the University are handled by the Registrar's Office which is located in the Alexander Building.

Southwestern Oklahoma State University at Sayre follows a non-restrictive policy of admission. After payment of the non-refundable application fee of \$15.00, applicants may be admitted under either of two programs, General Admission or Provisional Admission.

General Admission Requirements

1. Graduation from an accredited high school or a certificate program of high school equivalency (GED).
2. Participation in the American College Testing Program. It is recommended that the ACT be taken during the senior year of high school, but it may be taken during the first semester after admission. SWOSU at Sayre has been designated as a national testing center and administers the ACT on five national test dates annually. SWOSU at Sayre also administers the residual ACT. Contact the Office of Counseling and Assessment for further information.
3. Completion of high school curricular requirements.

UNITS (Years)	COURSE AREAS
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4	English (Grammar, Composition, Literature)
2	Lab Science (Biology, Chemistry, Physics, or any lab science certified by the school district with the exception of General Science, with or without lab)
3	Mathematics (from Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus)
2	History (including 1 unit of American History)
1	Citizenship skills from the subjects of Economics, Geography, Government, and non-Western culture (effective Fall 1997)
3	Additional units of subjects previously listed or selected from the following: Computer Science, Foreign Language (effective Fall 1997)
<hr/> 15	Total required units

4. All students with ACT scores within the State Regents' guidelines for remediation will be required to remove curricular deficiencies through testing or through remedial coursework. Students will be notified by the counselor's office of this situation and will be advised accordingly.

Remedial Courses

The Oklahoma State Regents for Higher Education established an ACT score of 19 as the "first cut" in determining student readiness for college level course work. Students must score 19 or above in the four subject areas of mathematics, English, reading, and science reasoning in order to avoid second level testing and/or remedial courses.* The Computer Placement Test (CPT) is used as the second level test. Students who score below 19 on any ACT subtest should contact the Office of Counseling and Assessment for information about the CPT and placement in remedial courses.

The following CPT scores have been established for remedial course placement for entering freshmen:

Mathematics	0-64	0125 Basic Algebra
	65 & above	No remediation required
English	0-74	0123 Fundamentals of English
	75 & above	No remediation required
Reading	0-74	0123 Improvement of Reading
	75 & above	No remediation required
Science	Students with ACT science reasoning scores below 19 must satisfy all remediation requirements before enrolling in science courses. The first course must be a general education science course.	

Based on student CPT scores, the university may recommend placement in specific courses which will aid students in improving skill levels in specific disciplines.

- * **Students who score below 19 on any ACT subtest area may elect to enroll in appropriate remedial courses without completing second level testing.**

Admission

Admission

Provisional Admission Requirements

Admission to the university in the following categories may be granted to those who are not high school graduates:

1. ADULTS WHO ARE NOT HIGH SCHOOL GRADUATES

Any adult resident of Oklahoma (18 years of age or older) who has had his/her high school education interrupted before graduation is eligible for provisional admission as a special student to an institution in the State System as follows:

- a. His/her high school class must have graduated prior to the date of application.
- b. The applicant is considered academically worthy to enroll in the institution to which she/he is applying according to the judgement of a responsible institutional official or committee.

2. ADULTS WHO HAVE BEEN OUT OF HIGH SCHOOL TWO YEARS:

Any adult resident of Oklahoma (18 years of age or older) who has been out of high school two years or longer is eligible for provisional admission as a special student to an institution in the State System as follows:

- a. The applicant must meet all of the criteria for the institution to which he/she is applying as set forth in Part 1 of this policy.
- b. An adult given provisional admission under this policy will be on probation for a period of two semesters. If, at the end of that time, the student has made satisfactory progress (see retention standards), the student may continue to enroll as a regular college student.

ALL STUDENTS pursuing admission to Associate in Science degree programs must meet the new curricular requirements listed under general admission requirements and remove any curricular deficiencies within the first twenty-four semester hours attempted, or they will be permitted to enroll in deficiency-removal courses only. Courses taken to remove deficiencies will not count toward satisfaction of degree program requirements.

NO STUDENT is officially enrolled until all required records are on file. Failure to provide these records in a timely manner may result in a cancellation of enrollment or a delay in future enrollment or transfer.

International Student Admission Requirements

Southwestern Oklahoma State University at Sayre can accommodate only a limited number of international students and therefore requires a high academic background achievement and a high level of English proficiency for admissions consideration.

1. FIRST-TIME ENTERING FRESHMEN

- a. Before being considered for admission as a first time freshman, the applicant must provide the Office of Admissions with a certification that s(he) earned a minimum TOEFL score of 500 and a satisfactory ACT or SAT score.
- b. International student applicants must provide a financial certificate on a university-provided form showing sufficient resources to pay for the student's entire program of study and living expenses. A deposit is required at the time of application.
- c. Application deadlines for international students are June 1 for fall semesters, October 1 for spring semesters, and March 1 for summer semesters.
- d. The student is responsible for notifying the Admissions Office and personally seeing that correct forms are supplied to the Immigration Service at the proper time. The I-20 and I-538 forms are kept in supply, but the student must provide other necessary forms required for the course of study.
- e. Any foreign student under a student visa is required to pay non-resident tuition and fee costs each semester while at Southwestern Oklahoma State University.
- f. It is assumed by the required financial statement that resources are adequate, and the foreign student will not ordinarily be permitted to work while a student at Southwestern Oklahoma State University.
- g. Financial aid is not ordinarily available to foreign students at Southwestern Oklahoma State University and should not be expected.
- h. Evaluation of foreign college and university transcripts cannot be made prior to a student's enrollment. At the student's request, an effort will be made during the first year to give a fair evaluation of credits felt to be equal to those at Southwestern Oklahoma State University. Generally, however, the student will be asked to substantiate such credit with CLEP (College Level Exam Program) tests or departmentally prepared Advanced Standing tests. Southwestern Oklahoma State University will accept credits which have been evaluated and posted to the student's transcript by a regionally accredited U.S. institution from which the student transfers as long as these credits are in keeping with institutional policies.

Admission

Admission

- i. A non-citizen who has attained a "permanent" resident immigrant status, and whose citizenship is pending, will be treated as a U.S. citizen for admission purposes. The regular admissions criteria for in-state or out-of-state students, as applicable, would then apply. (Students for whom English is a second language will be required to prove English proficiency.)
 - j. Medical insurance is required.
2. **Transfer Students from Accredited U.S. Institutions**
- a. International students seeking transfer from accredited U.S. Institutions must have a grade-point average of 2.0 (on a 4.0 scale) in all hours attempted and meet other specified requirements to be considered for admission.
 - b. International Students must show English Proficiency as specified in Item 1-a.
 - c. International students must provide a financial certificate, as specified in Item 1-b.
 - d. A deposit is required, as specified in Item 1-d.

Resident Transfer Students

Transfer students from other accredited colleges and universities who are legal residents of Oklahoma may transfer to Southwestern under the following conditions:

If the student originally met both the high school curricular requirements and academic performance standards of SWOSU, the student must have a grade-point average high enough to meet SWOSU's retention standards; or

If the student originally met the high school curricular requirements but not the academic performance standards of SWOSU, the student must have a grade-point average high enough to meet SWOSU's retention standards, and must also complete the curricular requirements before transferring; or

If the student originally met neither the curricular nor the performance requirements of SWOSU, the student must have a grade-point average high enough to meet SWOSU's retention standards, based on at least 24 completed semester credit hours of regularly-graded (A, B, C, D, F) college work and must also complete the curricular requirements, as specified.

Required Residency Hours

A minimum of fifteen credit hours of resident credit applied towards the associate degree must be taken at Southwestern at Sayre. Transfer hours must be applicable to the degree being pursued.

Non-resident Transfer Students

Transfer students who are not residents of Oklahoma may transfer from an out-of-state institution if they meet the following requirements:

Meet university admission requirements

Have a cumulative college Grade Point Average of at least a 2.0 on a 4.0 scale

Be in good standing at the institution from which they are transferring.

NOTE: Transfer students whose scholastic records do not meet minimum standards may be admitted on probation for a semester on the same basis as SWOSU students.

Concurrent Enrollment of High School Students

A student enrolled in an accredited Oklahoma high school may, if the student meets the requirements set forth below, be admitted provisionally to SWOSU at Sayre.

- a. The student must meet the published criteria of the State Regents (other than high school graduation) for admission to the institution to which he or she applies. This includes participation in the American College Testing program or the Scholastic Aptitude Test.

To help insure that high school students have the prerequisite skills to be successful in college, student assessment policy is that high school students must meet the minimum ACT scores in each of the areas of science reasoning, reading, mathematics, and/or English to enroll in coursework in the respective subject areas as required by the Oklahoma State Regents for Higher Education. Additional information on these requirements is available from the Office of Counseling and Assessment.

- b. The student must be enrolled in less than a full-time load (fewer than six credit courses per semester) at the high school which the student is attending, as attested by the high school principal.
- c. The student must be eligible to complete requirements for graduation from high school no later than the spring of his/her senior year as attested by the high school principal.

A high school student admitted under the provisions set forth above may enroll in a combined number of high school and college courses per semester not to exceed a full time college workload of 19 semester credit hours. One high school credit course shall be equivalent to three semester credit hours of college work. The collegiate portion of the student's workload must be taken on the SWOSU at Sayre Campus or by interactive video under regular faculty members of the institution.

Admission

Admission

A student who is otherwise eligible under this policy may enroll in a maximum of nine semester credit hours during a summer session or term at a college or university of the State System following the end of the junior year of high school, without the necessity of being concurrently enrolled in high school classes during the summer term. The completion of the high school curricula requirements set forth above shall not be required of concurrently enrolled high school students.

Following high school graduation, such a student may continue enrollment at the institution to which the student has been admitted or may transfer to another institution in the State System, provided that during the provisional enrollment period the student has achieved a college grade-point of 2.0 or above on a 4.0 scale and meets the entrance requirements of the receiving institution, including the high school curricular requirements.

Special Admission for Non-degree Seeking Students

Individuals having no intent to pursue a degree may enroll in a maximum of nine credit hours without submitting academic credentials or meeting the academic performance or curricular requirements. Retention standards will be enforced. Before enrolling in hours beyond the nine credit hour maximum, students must be formally admitted to the university.

Keyboarding Proficiency Requirement

Southwestern students are expected to use computer labs, writing labs, the on-line library card catalog, computer information sources, and computer networks and therefore must demonstrate competency in keyboarding skills. Freshmen students who completed a typing or keyboarding class in high school meet the keyboarding proficiency requirement. Those who do not have one of these courses on their high school transcript may take a keyboarding proficiency examination. A minimum of 35 words per minute on a three minute timed writing with not more than seven errors will allow students to meet the minimum keyboarding proficiency requirement. Students who do not meet high school course or testing proficiency must enroll in a one-hour non-credit course General Studies 0121 Keyboarding during the first semester of enrollment.



Student Financial Services

Financial Services

Student Financial Services

Financing a college education today can be challenging, but does not have to be overwhelming. Our objective is to work with students and create a financial service package that will help them attend Southwestern Oklahoma State University at Sayre. Since educating a student is a family responsibility, the financial service resources in this catalog are not designed to replace family assistance, but to supplement it. Although students and parents are expected to be contributors toward educational expenses, over sixty percent of students at Southwestern Oklahoma State University at Sayre receive some kind of financial assistance.

Financial assistance consists of scholarships, grants, loans and work-study opportunities. Scholarships are generally merit-based awards. They are awarded to a student on the basis of his/her abilities. Scholarships are generally not cash awards, but instead fee waivers applied toward charges incurred at the university. Other financial service programs described are awarded to a student on the basis of financial need, taking into consideration the expected family contribution (EFC) and the cost of attending school. Grants, loans and work-study programs fall into this category.

HOW TO APPLY FOR FINANCIAL ASSISTANCE

Students should complete a Free Application for Federal Student Aid (FAFSA), which is available from the Office of Student Financial Services.

Once the application is completed and the student has identified Southwestern Oklahoma State University as its institution of choice, the student has two options for submitting the application to the federal processor:

Mail in the application in the envelope provided with the application, or complete the application on the internet at www.fafsa.ed.gov to transmit electronically.

Once the federal processor has completed calculations, the University will automatically receive the student's data. When the University receives this data, the Office of Student Financial Services will notify the student regarding necessary steps in the application process. It is important that the student respond in a timely manner to prevent any delay in completion of the financial aid process.

Financial aid is not automatically renewed each year. Typically a student is awarded financial aid for the Fall/ Spring semesters. A student needs to reapply after January 1 for financial aid consideration for the following Fall/Spring terms.

Financial Aid Recommended Completion Dates

Many financial aid programs at Southwestern Oklahoma State University are administered on a first-come first-served basis. For best consideration, students should strive to complete the appropriate paperwork by the following dates:

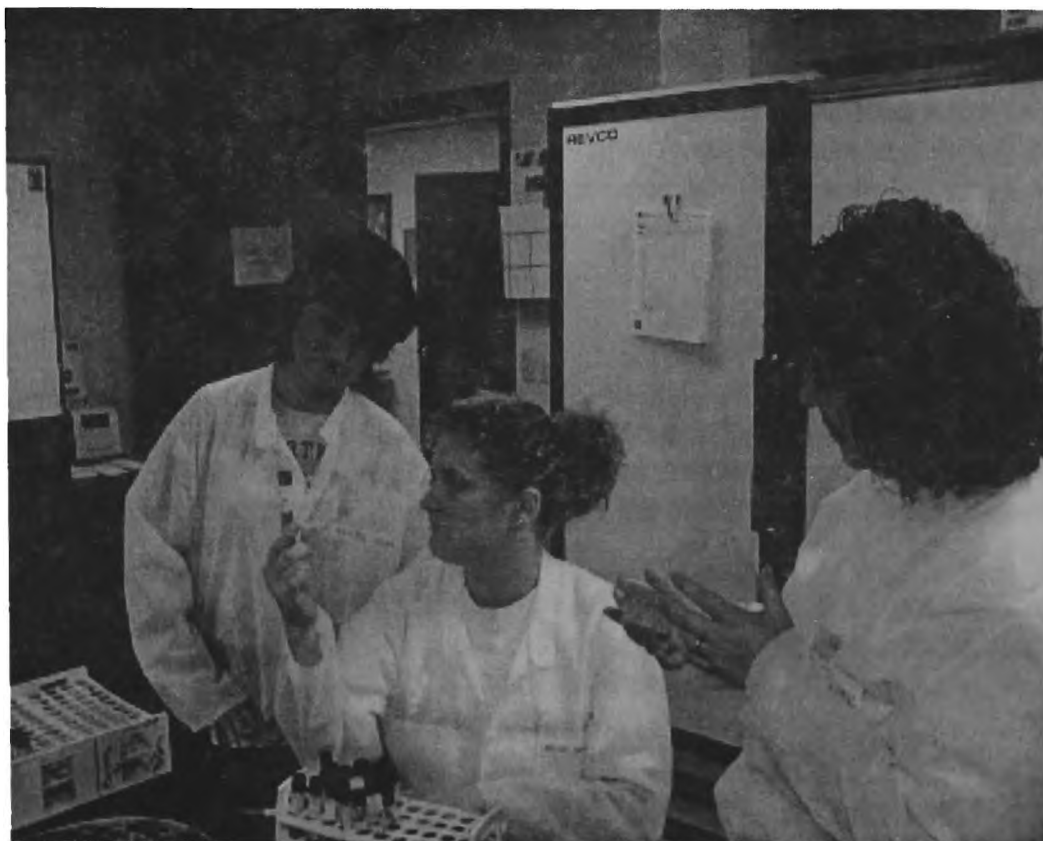
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| 1. Freshman Scholarship Application | March 1 |
| 2. Continuing Fee Waiver Application | May 1 |
| 3. Foundation Scholarship Application | March 1 |
| 4. Free Application for Federal Student Aid-Fall/Spring | April 30 |
| 5. Free Application for Federal Student Aid-Spring only | October 1 |
| 6. Free Application for Federal Student Aid-Summer only | March 1 |

Financial Services

Satisfactory Academic Progress

Federal law requires that all students who receive financial aid must maintain the requirements of the Satisfactory Academic Progress (SAP) policy of the University to continue receiving financial aid from the following programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work Study, Oklahoma Tuition Aid Grant, Federal Subsidized Stafford Loan, Federal Unsubsidized Stafford Loan and Federal Parent PLUS Loan.

For a copy of the Southwestern Oklahoma State University Satisfactory Academic Progress (SAP) policy, contact the Office of Student Financial Services.



Financial Services

Return of Title IV Funds

Federal law requires that students who receive financial aid and completely withdraw before the 60% point of a semester may be subject to pay back some of the financial aid that they received. If the situation arises where a student may need to completely withdraw, he/she should consult with the Office of Student Financial Services before doing so to see what implications withdrawal will affect the student.

Financial Services and Scholarship Programs

Federal Pell Grant

The largest federal grant program is the Federal Pell Grant Program. Federal Pell Grants are available to help undergraduate students pay for their education. For Federal Pell Grant Programs, an undergraduate is one who has not earned a bachelor's degree. The amount a student can receive depends on the cost of attendance determined by the University, whether the student is full-time, half-time or less than half-time, and the student's Expected Family Contribution (EFC) number on the Student Aid Report (SAR). To renew a Federal Pell Grant, a student must reapply each academic year to have his/her eligibility assessed and be making satisfactory academic progress. Other than in the case of a complete withdrawal by the student, Federal Pell Grants do not have to be repaid.

Federal Supplemental Educational Opportunity Grant (SEOG)

The Federal Supplemental Educational Opportunity Grant (SEOG) is a federal grant program limited to undergraduate students who are enrolled at least half-time with exceptional financial need. It must be awarded to Federal Pell Grant recipients who have the lowest Expected Family Contribution (EFC). The amount a student can receive depends on the student need, the availability of Federal Supplemental Educational Opportunity Grant funds and the amount of other financial assistance the student is receiving. Other than in the case of a complete withdrawal by the student, Federal Supplemental Educational Opportunity Grants do not have to be repaid.

Federal Work-Study Employment

Funded by the federal government, this is a program that provides jobs for students who are eligible for need-based financial assistance. The amount of the offer depends on the student's need, the availability of funds for the program and the amount of assistance the student receives from other programs. Students generally work 10 to 20 hours per week during each semester. The student must be enrolled at least half-time to be eligible for this program. In addition to Federal Work-Study jobs on the campus, there are also a limited number of opportunities for students to participate in a reading and math tutoring program.

Financial Services

Federal Stafford Loans

Subsidized

Subsidized Federal Stafford loans are low-interest, need-based loans made to the student by a lender, such as a bank, credit union or savings and loan association to help pay for the student's education. A student must be enrolled at least half-time to be eligible to receive a loan and must complete an entrance interview before receiving student loan funds. Loan amounts vary depending on the student's grade level. The student does not have to begin repayment on the loan for six months after they have either graduated or dropped below half-time enrollment.

Unsubsidized

Unsubsidized Federal Stafford loans are low-interest, non-need based loans made to the student by a lender, such as a bank, credit union or savings and loan association to help pay for the student's education. A student must be enrolled at least half-time to be eligible to receive a loan and must complete an entrance interview before receiving student loan funds. Loan amounts vary depending on the student's grade level. The student is responsible for paying the interest on the loan while in school. Repayment of the principal balance begins six months after the student either graduates or drops below half-time enrollment.

Oklahoma Tuition Aid Grant (OTAG)

The Oklahoma State Regents for Higher Education sponsor the Oklahoma Tuition Aid Grant Program. This program is based on a student's financial need. The student must be a resident of the state of Oklahoma and be enrolled at least half-time to be eligible. The student uses the Free Application for Federal Student Aid to apply for this grant, and traditionally the application must be received by April 30 to qualify for available funds.

Financial Services

Scholarships

Freshman Scholarship

This scholarship is available to Oklahoma residents who are first-time freshman. A student must apply for this scholarship using the "Freshman Scholarship Application" in the Freshman Application Packet or by requesting one from the Office of Student Financial Services. The completed application should be submitted to the Office of Student Financial Services and must be postmarked no later than March 1.

Continuing Fee Waiver Scholarship

This scholarship is available to Oklahoma residents who have completed at least 12 credit hours at Southwestern Oklahoma State University during the Fall and/or Spring terms. To be considered for an award, a student must complete the appropriate application form available from the Office of Student Financial Services and return the completed application to the Office of Student Financial Services postmarked no later than May 1.

Foundation Scholarship

A limited number of scholarships are funded by private donors. These scholarships are available for freshmen and upperclassmen. These scholarship applications are available from the Office of Student Financial Services, and the completed application must be submitted to the Office of Student Financial Services and be postmarked no later than March 1.

Veteran Affairs

All students attending the University under the Veterans Administration (VA) program may obtain assistance from the Registrar's Office. Areas covered are entrance requirements, official records, and subsistence payments. For additional assistance, a toll free number to the VA is available.

Academic Information

Enrollment

Enrollment Procedures

Southwestern Oklahoma State University at Sayre's enrollment system makes pre-enrollment both possible and desirable. Complete details for this procedure, as well as specific pre-enrollment and regular enrollment dates can be found in any current class schedule. These are available from the Registrar's Office in advance of any given semester. Students begin their enrollment in the Registrar's Office in the Alexander Building.

Enrollment Steps

The step-by-step procedures for officially enrolling at Southwestern Oklahoma State University at Sayre are as follows:

Step One:

Admission Requirements include providing the following information:

- Official high school transcript or GED scores.
- ACT scores on file or arrangements made to take the ACT exam during the first semester.
- An official transcript from all other colleges previously attended, if the student is transferring from another institution of higher education.

PLEASE NOTE:

No student is officially enrolled until all of the required records indicated above are on file. Failure to provide these records in a timely manner may result in a cancellation of enrollment or a delay in future enrollment or transfer.

Step Two:

First time students must complete an application form for admission and pay application fee.

Step Three:

The student must meet with an assigned faculty advisor or counselor to obtain assistance in developing an individual class schedule. The schedule will require the approval and signature of the faculty advisor or counselor.

NOTE: Freshmen Orientation will be required for all first-time freshmen.

Step Four:

The student should return all forms and a completed schedule to the Registrar's Office for processing. A print-out will be provided indicating the class schedule and tuition amount. The print-out should be taken to the Office of Student Financial Services for review if the student is receiving financial aid.

Step Five:

Finally, the student should go to the Business Office and pay tuition and fees.

Retention of Students Pursuing Academic Programs

The following standards relating to retention of students pursuing study in undergraduate programs will apply at Southwestern Oklahoma State University at Sayre.

1. Academic Notice

Academic Notice is designed to alert students to new retention standards and does not become part of the official record. Students with 1-30 hours attempted with GPA between 1.70 and 1.99 will be placed on Academic Notice.

2. Academic Probation

Students not maintaining satisfactory academic progress, 1-30 credit hours attempted and less than 1.70 GPA or 31 or more credit hours attempted and less than 2.00 GPA will be placed on Academic Probation.

3. Minimum Performance While on Academic Probation

The probationary student must increase his overall grade point average above probationary GPA's listed above or earn at least a 2.00 grade point average during the next semester (not to include activity courses or performance courses) in order to continue enrollment on academic probation.

4. Academic Suspension

Students who fail to meet retention standards while on Academic Probation will be suspended for one regular semester (fall or spring). After the semester of suspension, students may re-enroll on Academic Probation. Students suspended a second time will not be permitted to re-enroll at Southwestern until they establish a satisfactory record at another university.

NOTE: A student suspended for the first time at the end of the spring semester may attend the following summer semester. Enrollment in this summer semester will be limited to "core academic courses that meet the general education or degree requirements." If work taken in the summer raises the overall retention GPA to 2.00, the student will be removed from probation. If not, the student will be "continued on suspension" for the fall semester.

NOTE: Remedial courses are zero level and do not count in overall grade point average or the graduation and retention grade point average. Grades of "W", "I", "S", "U", "P", and "NP" are GPA neutral.

Exception-- A student who achieved a grade-point average of 2.00 or above in the last semester in which the student was enrolled will be considered to be making satisfactory progress, regardless of the cumulative grade-point average. (Under these circumstances, a student will remain on probation until a 2.00 cumulative grade-point average is achieved.)

Retention Policy

Advanced Standing Exams

Placement By Advanced Standing Examination

Southwestern will award credit to students whose background and achievements merit beginning at an advanced level. Southwestern Oklahoma State University at Sayre offers tests which will allow capable students to receive college credit through examination. A list of SWOSU courses for which advanced-standing examinations may be taken is available in the Office of Counseling and Assessment.

Courses passed by Advanced-Standing Examinations will be recorded on the transcript with a letter "S". Advanced-standing credit toward a degree is limited to 31 hours within each of the upper and lower division levels. A minimum of 12 semester hours of satisfactory traditional credit must be completed at Southwestern before advanced-standing credits may be recorded on the SWOSU transcript.

In most cases, advanced-standing examinations are administered through the College-Level Examination Program (CLEP). Southwestern is a CLEP testing center and accepts credit earned by CLEP Subject Examinations; however, SWOSU does not recognize credit earned through CLEP General Examinations. Registration for CLEP tests should be made one week prior to the test.

Any person interested in participating in this program should contact the Office of Counseling and Assessment. In all cases, students are advised to consult with their faculty advisor as to how credit by advanced standing will apply to degree programs.

Course Load

An undergraduate student must be enrolled in at least 12 credit hours in the fall or spring semester or at least 6 credit hours in the summer term to be considered a full-time student. The normal load of work is 16 academic hours. With approval of the Advisor, a student may take a maximum of 20 credit hours during a regular semester. With the approval of both the Advisor and Dean, a student may take a maximum of 24 credit hours during a regular semester and 12 credit hours during a summer semester.

Student Classification

Freshman:	Students with fewer than 32 semester hours of college credit
Sophomore:	Students with 32 or more hours of college credit and fewer than 64 semester hours

Credit Hours

All credits are given in terms of semester hours. A semester hour represents 16 hours of class work or 32 (or in some cases, 48) hours of laboratory work. The last digit in a course number represents the number of semester hours for that course.

Grades

Grade Schedule: The quality of work done in classes is designated by the following schedule of grades:

A	Excellent
B	Good
C	Average
D	Below Average
F	Failure
I	Incomplete Grade
W	Withdrawal
AW	Administrative Withdrawal
S	Satisfactory
P	Pass
U	Failure
N	Grade Deferred
X	Thesis in Progress
AU	Audit Status

Grading Policy

Students earn grade points on this schedule.

A	4 points per semester hour
B	3 points per semester hour
C	2 points per semester hour
D	1 point per semester hour
F	0 points per semester hour
U	0 points per semester hour
S	0 points per semester hour

If a course is repeated, both grades are used in computing the student's grade-point average (GPA). A grade of "S," "P," "I," "U," "NP," or "W" has no effect on the average.

Incomplete: A grade of "I" will be given to students who, because of illness or other unavoidable circumstances, cannot complete a course by the end of the semester. "I" grades not changed by the instructor to a credit-bearing grade or an "F" will remain a permanent "I" and not contribute to the GPA.

Withdrawal: A student must withdraw within the first eleven weeks of class work during a regular semester or within the first five weeks of class work during a summer term to receive a grade of "W." Instructors have the right to give a "W" as a final grade.

Students may withdraw officially any time prior to and including Friday of the week before final examinations begin and receive a "W" for courses in which they are doing passing work and an "F" for courses in which they are failing.

Students who leave school without officially withdrawing may receive the grade of "F" for courses in which they are enrolled.

Grading Policy

Repeated Course Policy

The policy applies to all repeated courses and all students who are pursuing a degree.

Students may repeat courses in which original grades were "D" or "F" and have only the second grades count in the retention and graduation grade-point average. The first four courses (18 hour maximum) repeated are the only hours that can be considered under the Repeated Course Policy.

Students must apply at the Registrar's Office in order to have hours considered under the Repeated Course Policy.

If a course is repeated more than once, all grades earned with the exception of the first grade, will be counted in the retention and graduation and cumulative grade-point average.

Students may repeat courses above the first four courses (18 hour maximum); however, both the original grade and repeat grade will be included in all grade-point averages.

In cases where students believe courses to be identical, although the course number or title may differ, it will be necessary to obtain validation from the department offering the course.

Students should not assume that the retention and graduation grade-point will be used for admission to or retention in programs such as Pharmacy, Nursing, and Teacher Education. Students should contact the appropriate department chair or advisor to obtain specific information about admission requirements.

Academic Forgiveness Provisions

The Oklahoma State Regents for Higher Education grading policy for state colleges and universities includes two academic forgiveness provisions. The repeated courses policy and the academic-reprieve policy may help a student overcome low-academic standing by establishing a retention and graduation grade-point average in addition to the cumulative grade-point average. Although the academic transcript will continue to be a full and accurate reflection of the student's academic performance, the academic forgiveness provision will be reflected in such matters as how the retention and graduation grade-point average is calculated. Students who believe the academic forgiveness provisions outlined below will assist them in meeting academic goals should contact the Registrar's Office for application forms and additional information.

Academic Reprieve Policy

- The semester's work to be considered for reprieve may have been completed at any accredited college or university.
- At least three years must have elapsed between the period in which the semester being requested reprieved was completed and the reprieve request.
- Prior to requesting the academic reprieve, the student must have earned a grade-point average of 2.0 or higher with no grade lower than a "C" in all performance courses completed since the "reprieved semester." This course work may have been completed at any accredited higher-education institution.
- Only one semester's work may be reprieved.
- The academic reprieve removes all grades earned during the reprieved semester from the retention and graduation grade-point average. All work in the reprieved semester will be counted in the cumulative grade-point average.
- A student may not receive more than one academic reprieve.
- Academic reprieves granted by other colleges and universities are not recognized. Students who received academic reprieves from other colleges and universities may apply for academic reprieves under SWOSU guidelines.
- Students who receive an academic reprieve are not eligible to graduate with honors.
- Students should not assume that an academic reprieve will be considered when apply for admission to programs such as Pharmacy, Nursing, and Teacher Education.

Grading Policy

Attendance

Students are expected to attend class at all possible times. Attendance policies are set in each class by the instructor. The instructor is expected to provide students with a written statement of these policies. In emergencies, notification of instructors of such absences may be made through the campus switchboard. An instructor may drop a student from class for excessive absences through the Office of the Registrar.

Grading Policy

Grade Reports

To determine the degree of educational progress attained by students, instructors monitor student progress closely. Mid-term grade reports reflecting "D" and "F" grades earned in general education courses are mailed at the mid-point of each semester. As final grades are recorded in the Registrar's Office each semester, students may check their grades through Campus Connect through Southwestern's web site (www.swosu.edu).

Honor Rolls

The undergraduate student's semester record must have no grade of "I," "U," "D," or "F" to be considered for the honor rolls. Grades of "S" are neutral and are not figured in the student's semester grade-point average. Types and qualifications for honor rolls are as follows:

President's Honor Roll:	Undergraduate students who complete 15 or more hours during a semester and earn a 4.0 grade point average qualify for this honor roll.
Dean's Honor Roll:	Undergraduate students who complete 15 or more hours during a semester and earn a 3.00 or higher grade-point average qualify for this honor roll.

Graduation

All graduating students are encouraged to participate in the graduation ceremony which is held annually at the close of the spring semester. Students completing graduation requirements during the fall, spring, or following summer session participate in that annual event. Application for graduation should be filed at the Registrar's Office no later than February 1.

Each individual is responsible for ascertaining that all requirements for graduation are met. Students are encouraged to request a "graduation check" from the Registrar's Office prior to enrolling for the final semester, in addition to carefully planning their enrollment programs based on catalog and graduation check sheet requirements. Any questions concerning requirements should be clarified with the Dean or Registrar. Degree awards are recorded on the student's permanent academic record. Transcripts are available one week after the close of each semester.

Southwestern Oklahoma State University at Sayre grants degrees "with honors" as follows: Summa Cum Laude 3.90-4.0 GPA, Magna Cum Laude 3.75-3.89 GPA, and Cum Laude 3.5-3.74 GPA. Honors standing is determined by calculating the grade-point average using all credit hours attempted.

Degree Programs

Degree Requirements

Degrees Granted

Southwestern Oklahoma State University at Sayre awards degrees to students who successfully complete the program plans approved by the institution and maintain a 2.0 grade point average.

Two types of degrees are awarded on the Sayre campus, Associate in Science (AS) and Associate in Applied Science (AAS).

The AS degree conforms to and exceeds standards of the articulation agreement explained below. Students planning to transfer their coursework to a senior campus should select programs leading to this degree to satisfy the general education requirements of a higher degree program.

The AAS degree is awarded primarily in co-occupational or technical programs. Students receiving this degree usually go directly into the work force. Courses are transferable but will be evaluated individually by the institution to which they are transferred.

All degrees and certificates are awarded at the regular spring commencement exercises.

Notice: Students are responsible for taking the proper courses leading to a degree.



Articulation Policy

Southwestern Oklahoma State University at Sayre cooperates fully with the requirements of the Oklahoma State Regents for Higher Education Articulation Policy for transfer of students among institutions in the Oklahoma State System of Higher Education.

Although every effort is made to present accurate offerings, the listing of a course in this catalog is not a guarantee of availability. Degree requirements may be revised from time to time.

All programs offered by Southwestern Oklahoma State University have the approval of the Oklahoma State Regents for Higher Education.

Teacher Education and certain professional programs may specify additional requirements. Students are advised to check such program requirements in the catalog for the college or university at which they plan to complete their final degree.

A maximum of 64 hours may be counted toward a higher degree at a four-year campus, including the Weatherford campus of Southwestern Oklahoma State University.

General Education Program

All students must complete a number of courses in General Education in order to obtain baccalaureate degrees from Oklahoma's state university system. At SWOSU at Sayre, because of differing curriculum and/or accreditation requirements, some programs follow slightly different course sequences than the General Education requirements listed below.

The advisement of students is directed toward fulfillment of requirements for graduation from this campus. **However, since not all courses meet the requirements for programs at other universities, students who plan to graduate from other schools should provide their advisors the appropriate plans from target schools.** This will enable advisors to more effectively advise students while they are attending SWOSU at Sayre. The Associate in Science Degree in General Studies from SWOSU at Sayre meets the articulation agreement for any State of Oklahoma Higher Education institution and will fulfill the General Education requirement of those institutions.

Degree Requirements

Degree Requirements

General Education Requirements For All Associate in Science Degrees

General Education at Southwestern Oklahoma State University at Sayre emphasizes the learning of facts, values, understandings, skills, attitudes, and appreciations believed to be meaningful to all students as they prepare for the future. Desired outcomes of the General Education program include the following.

Basic skills in communication and mathematics: the ability to understand the ideas of others; to communicate one's ideas through writing, speech, and symbols; to understand mathematical concepts, principles, symbols, and logic; to think logically, critically, and creatively; and to effectively use computers and other information technologies.

Appreciation of our scientific heritage: an understanding of the basic laws and concepts of science; a knowledge of the basic methodologies and phenomena of natural science; and the impact of scientific discovery and the ensuing technology on society.

Appreciation of the fine arts: knowledge of important individuals and some of their works and an appreciation of aesthetic, technical, symbolic, and historic effects of the fine arts.

Knowledge of social and intellectual beings and their institutions: studies of behavioral aspects of individuals and society; past and present world cultures; current social issues and trends; the importance of health and wellness; the rights and responsibilities of citizens in a democratic society; an understanding of global, social, economic, political, and ecological interdependence; and an appreciation of cultural diversity.

General Education Guidelines

All students must complete an approved General Education program in order to graduate from a college or university in the Oklahoma State System of Higher Education.

Courses satisfying General Education requirements cannot be used to satisfy requirements in the major.

Some General Education course requirements may be met via CLEP and advanced standing exams.

A maximum of 10 credit hours of General Education credit may be waived through alternative courses. All alternative courses must be approved by the Dean and the Registrar.

A minimum of six credit hours of approved alternative course work must be completed in an area before a student can be exempt from completing the related General Education course (e.g. complete Economics 2263 and 2363 instead of Economics 1113 or Biology 1104 and 1204 instead of Biology 1004).

Mid-level assessment is accomplished within the general education courses. Faculty use curriculum-embedded methods such as exams, papers, projects, etc. for improvement of instruction.

Associate in Science Degree General Studies

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts 1513 College Algebra (required for Elementary Education majors)
Computer Science	3 Hours	1023 Computers and Information Access
Economics	3 Hours	1113 Contemporary Economics
Health & Physical Education	3 Hours	1133 Wellness Concepts & Exercise Applications
Social Science	3 Hours	1003 General Psychology (required for education majors) 1003 Introduction to Sociology
Natural Science	8 Hours	1004 Biological Concepts (required) 1514 Concepts of Physical Science 1614 Science & the Environment
Humanities	6 Hours	1223 Art Survey 2413 Intro to Literature (required for education majors) 1013 Introduction to Music 1453 Introduction to Philosophy
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	6 Hours	1033 World History (required) 1103 World Cultural Geography (required for education majors) 1153 World Relations & Politics 1054 Elementary Spanish
Electives	14 Hours	Elective Courses to Complete Degree

Degree Requirements

NOTE: Students who plan to work toward a bachelor's degree and know what their major will be should contact that department on the main campus for information regarding specific coursework that should be completed by the end of the sophomore year as elective credit, or they should contact their advisor on the Sayre campus and ask about specific electives they might take for their declared major since some of those electives may be available through interactive video courses and other distance education alternatives.

Degree Requirements

Associate in Science Degree General Business

This program provides a background in business education to prepare students for immediate employment or for further course work toward a higher degree in the field of business. (A minimum GPA of 2.0 and completion of 64 hours are required for graduation.)

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1513 College Algebra
Computer Science	3 Hours	1023 Computers & Information Access
Economics	3 Hours	1113 Contemporary Economics* **
Health & Physical Education	3 Hours	1133 Wellness Concepts & Exercise Applications
Social Science	3 Hours	1003 General Psychology
Natural Science	8 Hours	1004 Biological Concepts (required) 1514 Concepts of Physical Science 1614 Science & the Environment
Humanities	6 Hours	1223 Art Survey 2413 Introduction to Literature 1013 Introduction to Music 1453 Introduction to Philosophy
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	6 Hours	1033 World History (required) 1103 World Cultural Geography 1153 World Relations & Politics 1054 Elementary Spanish
Business Courses	14 Hours	1033 Computer Science I 1053 Computer Science II 1433 Visual Basic Programming 2011 PC Software 2213 Principles of Accounting I* 2253 Business Communications* 2263 Introduction to Macroeconomics* ** 2273 Business Math/Office Machines 2313 Principles of Accounting II* 2363 Introduction to Microeconomics* ** 2723 Computer Business Applications* 3123 Legal Environment of Business* 3143 Marketing* 3233 Management*

* Courses which are required for the bachelor's degree in business on the main campus of SWOSU in Weatherford. 3000 & 4000 level courses offered via interactive video from Weatherford.

** Completion of Economics 2263 and 2363 satisfies the general education economics requirement.

Associate in Science Degree Pre-Nursing

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1513 College Algebra or a higher numbered math course
Computer Science	3 Hours	1023 Computers and Information Access
Economics	3 Hours	1113 Contemporary Economics
Social Science	3 Hours	1003 General Psychology
Natural Science	8 Hours	1004 Biological Concepts 1004 General Chemistry
Humanities	6 Hours	1223 Art Survey 2413 Introduction to Literature 1013 Introduction to Music 1453 Introduction to Philosophy (required)
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	6 Hours	1033 World History (required) 1103 World Cultural Geography 1153 World Relations & Politics
Pre-professional Requirements	24 Hours	2104 Human Anatomy 2212 Introduction to Nursing* 2304 Human Physiology 2313 Developmental Psychology* 2355 Microbiology 2443 Psychological Statistics* 4093 Epidemiology*

Degree Requirements

*Pre-Professional courses may be taken on the Weatherford campus or via interactive video on the Sayre campus..

NOTE: Students who plan to work toward a bachelor's degree and know what their major will be should contact that department on the main campus for information regarding specific coursework that should be completed by the end of the sophomore year as elective credit, or they should contact their advisor on the Sayre campus and ask about specific electives they might take for their declared major since some of those electives may be available through interactive video courses and other distance education alternatives.

Degree Requirements

Associate in Applied Science Degree Medical Laboratory Technician

This program is designed to prepare students for entry level positions as medical laboratory technicians. To enter the program, students must meet the general admission requirements of the university as well as meet with program faculty for advisement and enrollment. Information packets are available from program faculty or the registrar. Upon satisfactory completion of the MLT program, graduates will receive the Associate in Applied Science Degree and are eligible to sit for the American Medical Technologists' national MLT registry. Students must complete the program with a minimum 2.0 GPA.

Communication	6 hours	1113 English Composition I 1213 English Composition II
Mathematics	3 Hours	1103 Intermediate Algebra or 1513 College Algebra
Natural Science	15 Hours	1004 Biological Concepts 2503 Parasitology 2104 Human Anatomy 2304 Human Physiology
Chemistry	8 Hours	1004 General Chemistry 2044 Clinical Chemistry
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Allied Health	41 Hours	1034 Hematology I & Phlebotomy 1044 Hematology II 1202 Urinalysis & Body Fluid 1314 Lab Clinical I 2024 Lab Clinical II 2033 Blood Banking 2104 Lab Clinical III 2355 Microbiology 2404 Pathogenic Microbiology 2412 Immunology and Serology 2442 Registry Preparation 2443 Medical Terminology

NOTE: This program requires a specific course sequencing, so students interested in the MLT degree program should see the program advisors for proper enrollment.

NOTE: Only students who meet graduation requirements may sit for the national registry. Immunization for Hepatitis B is required before entrance into the MLT program. A physical examination is required before entering the clinical practicums.

Associate in Applied Science Degree Radiologic Technology (X-Ray)

This program is designed to prepare students to function as radiologic technologists. A separate application for admission to the Radiologic Technology Program must be submitted by established deadlines. Acceptance into the program is based upon ACT/ SAT scores, grade-point averages, interviews, transcripts and other evidence of potential for success in the program. Application packages can be requested from program faculty or be downloaded from the SWOSU web site (www.swosu.edu). Admission to the program is a prerequisite for all professional courses listed under program requirements. Upon satisfactory completion of the course requirements, the student will receive the AAS Degree and is eligible to apply for the American Registry of Radiologic Technologists exam. Students must complete the course of study with a 2.0 GPA.

NOTE: This program requires a specific course sequencing. Students interested in the program should see the program advisors for proper enrollment.

Degree Requirements

Communication	6 hours	1113 English Composition I 1213 English Composition II
Mathematics	3 Hours	1143 Math Concepts or 1513 College Algebra
Natural Science	5 Hours	2205 Human Anatomy & Physiology
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Allied Health	3 Hours	2443 Medical Terminology
Program Requirements	56 Hours	1021 Radiation Safety & Protection 1053 Radiographic Positioning I 1062 Intro to Radiologic Technology 1071 Patient Care 1082 Radiographic Exposure I 1116 Clinical Practice I 1126 Clinical Practice II 1131 Radiographic Exposure II 1142 Imaging and Processing 1151 Radiographic Positioning II 1162 Radiologic Pathology 2116 Clinical Practice III 2223 Intro to Radiologic Physics 2121 Radiation Biology 2132 Special Procedures and Modalities 2142 Film Recognition & Critique 2216 Clinical Practice IV 2231 Quality Assurance & Control 2221 Registry Preparation I 2242 Registry Preparation II 2315 Clinical Practice V

Degree Requirements

Associate in Applied Science Degree

Occupational Therapy Assistant

The prerequisite general education and technical occupational support courses must be completed prior to admission. The Caddo-Kiowa Technology Center (CKTC), Ft. Cobb, Oklahoma conducts the occupational specialty courses. An application packet, obtained from CKTC, must be completed prior to initiating the program according to established deadlines. Admission to the OTA "specialty" program will be based on university GPA, references, personal interviews and other evidence of potential success in the field of O.T. The OTA program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220, phone: 301-652-AOTA. Graduates of the program will be eligible to take the national certification examination given by the National Board for Certification in Occupational Therapy. After successful completion of this exam, the OTA student will be a Certified Occupational Therapy Assistant (COTA) and may apply for state licensure through the State Board of Medical Licensure and Supervision.

General Education	18 Hours	1113 English Composition I 1063 Fundamentals of Speech 1063 U.S. History 1103 American Government & Politics 1143 Math Concepts or 1513 College Algebra 1003 General Psychology
Technical Occupational Support Courses	18 Hours	1004 Biological Concepts 2104 Human Anatomy* 2304 Human Physiology* 2443 Medical Terminology 2313 Developmental Psychology
Technical Occupational Specialty Courses	30 Hours	1013 Introduction to Occupational Therapy 1023 Kinesiology for OTA 1102 Therapeutic Media 2002 Health Care and Occupational Therapy Management 2022 Fieldwork IA 2102 Therapeutic Activities 2122 Fieldwork IB 2113 Physical Dysfunction/Treatment Techniques 2133 Pediatric Care in Occupational Therapy 2143 Elder Care in Occupational Therapy 2153 Psychosocial Dysfunction/Treatment Techniques 2212 Disease Pathology
Technical Occupational Related Courses	12 Hours	2206 Fieldwork IIA 2216 Fieldwork IIB

Note: Fieldwork II must be completed within 18 months following completion of course work.

***See program director regarding course substitutions.**

Associate in Applied Science Degree Physical Therapist Assistant

This degree is awarded through Southwestern Oklahoma State University (SWOSU) at the Sayre campus. The general education and technical occupational "support" courses may be taken at SWOSU Sayre and/or Weatherford. The technical occupational "specialty" courses will be conducted by the Caddo-Kiowa Technology Center (CKTC), Fort Cobb, OK. Students will enroll at the campus offering each component of the program and must pay all required fees and tuition. Admission to the PTA "specialty" course program at the CKTC is competitive and requires completion of the application packet prior to established deadlines. The application packet is obtained from the CKTC, and returned to the Associate Dean of Applied Health, SWOSU, Weatherford. Admission to the PTA "specialty" program will be based on AHPAT scores, university or college grade point averages, references, observations, and personal interviews of the top applicants. Candidates selected for the PTA program must complete all admission requirements to Southwestern Oklahoma State University prior to initiating the program. After completing the PTA program, graduates will be eligible to take the PTA National Licensure Exam.

Degree Requirements

General Education	18 Hours	1113 English Composition I 1063 Fundamentals of Speech 1063 U.S. History 1103 American Government & Politics 1003 General Psychology 1143 Math Concepts or 1513 College Algebra
Technical Occupational Support Courses	19 Hours	1004 Biological Concepts 2212 First Aid and CPR 2443 Medical Terminology 2104 Human Anatomy* 2304 Human Physiology* Two hours of elective courses
Technical Occupational Specialty Courses	29 Hours	1012 Introduction to Physical Therapy 1023 Basic Human Needs 1113 Threats to Basic Human Needs 1213 Pain Management I 1224 Therapeutic Exercise I 2013 Pain Management II 2024 Therapeutic Exercise II 2112 PTA Systems/Problems 2032 Practicum I 2133 Practicum II

NOTE: After completing the requirements for the degree, graduates will be eligible to take the national licensure examination for Physical Therapist Assistants.

Admission to SWOSU or Caddo-Kiowa Technology Center does not guarantee admission to the Physical Therapist Assistant Program.

***See program director regarding course substitutions.**

Degree Requirements

Associate in Applied Science Degree Computer Information Systems

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts or 1513 College Algebra
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Spreadsheet	2 Hours	2011 Excel I 2011 Excel II
Word Processing	2 Hours	2011 Word I 2011 Word II
Database Management	2 Hours	2011 Access I and 2011 Access II
Technical Occupational Specialty Courses	24 Hours	1023 Computers and Information Access 1033 Computer Science I 1433 Visual Basic Programming 2013 Web Page Design 2053 Java Programming 2063 Operating Environments 2153 Introduction to Networking 2923 Internship In Novell Networking 2933 Internship In Microsoft Networking
Technical Occupational Related Courses	16 Hours	1053 Computer Science II 2011 Microsoft Software I 2011 Microsoft Software II 2011 Quicken I 2011 Power Point 2011 Windows 2013 Integrated Software 2013 Web Page Design 2053 Java Programming 2213 Principles of Accounting I 2253 Business Communications 2263 Introduction to Macroeconomics 2313 Principles of Accounting II 2363 Introduction to Microeconomics 2723 Computer Business Applications 3123 Legal Environment of Business 3233 Management

Associate in Science Degree Computer Science

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1513 College Algebra*
Computer Appl/Technology	3 Hours	1023 Computers and Information Access
Economics	3 Hours	1113 Contemporary Economics
Behavioral/ Social Sciences	3 Hours	1003 General Psychology or 1003 Introduction to Sociology
Natural Sciences	8 Hours	1004 Biological Concepts (required) 1514 Concepts of Physical Science 1614 Science & the Environment
Fine Arts and Humanities	6 Hours	1013 Introduction to Music 1223 Art Survey 1453 Introduction to Philosophy 2413 Introduction to Literature
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	3 Hours	1033 World History (required)
Degree Program Core Courses	15 Hours	1033 Computer Science I 1053 Computer Science II 1433 Visual Basic Programming 2063 Operating Environments 2153 Introduction to Networking
Guided Electives	5 Hours	1613 College Trigonometry 2011 Computer Seminars 2013 Web Page Design 2013 Integrated Software 2053 Java Programming 2213 Principles of Accounting I* 2253 Business Communications* 2313 Principles of Accounting II 2723 Computer Business Applications*

Degree Requirements

* Required for a BS degree in Computer Science from SWOSU

Degree Requirements

Associate in Applied Science Degree Criminal Justice- Corrections

This degree program prepares students for entry level positions as corrections officers in either the public or the private sectors of the corrections industry, but does not adequately prepare students who wish to pursue a baccalaureate degree in criminal justice.

Communication	6 hours	1113 English Composition I 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts or 1513 College Algebra
Behavioral/ Social Science	3 Hours	1003 General Psychology
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Technical Occupational Specialty Courses	22 Hours	1003 Introduction to Corrections Procedures 1013 Corrections Officer Physical Training 1103 Issues in Correctional Procedures 1114 Environmental Security Procedures 1123 Communications for Corrections Officers 1203 Corrections Officer Protection Procedures I 1213 Corrections Officer Protection Procedures II
Technical Occupational Support Courses	15 Hours	1003 Introduction to Sociology (required) 1023 Computers and Information Access(required) 1054 Elementary Spanish 1113 Introduction to Criminal Justice 2103 Social Problems 2313 Developmental Psychology 2803 Judicial Process
Technical Occupational Related Courses	10 Hours	2005 Practicum I 2015 Practicum II

Associate in Science Degree Criminal Justice- Corrections

Degree Requirements

Communication	9 hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts or 1513 College Algebra
Computer Science	3 Hours	1023 Computers and Information Access
Economics	3 Hours	1113 Contemporary Economics
Health & Physical Education	3 Hours	1133 Wellness Concepts & Exercise Applications
Social Science	3 Hours	1003 Introduction to Sociology
Natural Science	8 Hours	1004 Biological Concepts (required) 1514 Concepts of Physical Science or 1614 Science & the Environment
Humanities	6 Hours	1223 Art Survey 2413 Introduction to Literature 1013 Introduction to Music 1453 Introduction to Philosophy
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	7 Hours	1033 World History 1054 Elementary Spanish
Technical Occupational Specialty Courses	15 Hours	1003 General Psychology 1113 Introduction to Criminal Justice 2103 Social Problems 2313 Developmental Psychology 2803 Judicial Process

Degree Requirements

Associate in Applied Science Degree Electronics Technology- Telecommunications

Communication	6 hours	1113 English Composition I (required) 1213 English Composition II or 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts 1513 College Algebra 1613 College Trigonometry
Selected Electives	9 Hours	1003 General Psychology 1003 Introduction to Sociology 1023 Computers and Information Access 1033 World History 1113 Contemporary Economics 1133 Wellness Concepts & Exercise Applications
Natural Science	8 Hours	1004 Biological Concepts (required) 1004 General Chemistry 1514 Concepts of Physical Science 1614 Science & the Environment
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Technical Occupational Related	6 Hours	Any Technology or any Computer Science Course
Technical Occupational Specialty Courses	30 Hours	1013 Electronic Devices and Test Equipment 1323 Digital Electronics 1813 Basic Electronics I 2026 Telecommunications 2113 Solid State Devices 2203 Communication Circuits 2205 CISCO I & II 2223 Electronic Circuit Analysis 2423 Microprocessors 2425 CISCO III & IV 2813 Basic Electronics II

Associate in Applied Science Degree Childhood Development and Education

Communication	6 Hours	1113 English Composition I (required) 1213 English Composition II or 1063 Fundamentals of Speech
Mathematics	3 Hours	1513 College Algebra or 1143 Math Concepts
Behavioral/Social Science	3 Hours	1003 General Psychology
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
Health & Physical Education	3 Hours	1133 Wellness Concepts & Exercise Applications
Natural Science	4 Hours	1004 Biological Concepts
Humanities	3 Hours	1223 Art Survey 2413 Introduction to Literature 1013 Introduction to Music 1453 Introduction to Philosophy
International & Cultural Studies	3 Hours	1033 World History
Technical Occupational Specialty Courses	33 Hours	2213 Introduction to Early Childhood Education* 2223 Play Strategies in Early Childhood Education* 2233 Effective Parenting* 2243 Cognitive Development in Early Childhood Education* 2253 Curriculum for Early Childhood Education I* 2263 Curriculum for Early Childhood Education II* Laboratory required 2263L* 2273 Child Development 2283 Child Care Center Program Planning 2292 Field Experience in Early Childhood Education 2292L Laboratory required Student will take 2292 and 2292L twice to make 4 hours of field experience total 1153 Nutrition 2212 First Aid

Degree Requirements

*Courses offered via interactive video from Weatherford.

Degree Requirements

Associate in Science Degree Exceptional Learning Needs Paraprofessionals

Communication	9 Hours	1113 English Composition I 1213 English Composition II 1063 Fundamentals of Speech
Mathematics	3 Hours	1143 Math Concepts or 1513 College Algebra
Computer Science	3 Hours	1023 Computers and Information Access
Economics	3 Hours	1113 Contemporary Economics
Health & Physical Education	3 Hours	1133 Wellness Concepts & Exercise Applications
Social Science	3 Hours	1003 General Psychology
Natural Science	8 Hours	1004 Biological Concepts 1514 Concepts of Physical Science
Humanities	6 Hours	2413 Intro to Literature (required) 1223 Art Survey 1013 Introduction to Music 1453 Introduction to Philosophy
History & Political Science	6 Hours	1063 U.S. History 1103 American Government & Politics
International & Cultural Studies	6 Hours	1033 World History 1103 World Cultural Geography
Program Requirements	14 Hours	2012 Seminar in Special Education Law 2023 Intro to Students with Mild/Moderate Disabilities 2033 Curriculum and Techniques for Students with Mild/Moderate Disabilities 2333 Methods of Managing Students with Emotional/Behavioral Disorders 2821 Practicum-Mild/Moderate Disabilities in a Residential/Educational Setting 2862 Policies and Procedures in Special Education

Note: Students who plan to work toward a bachelor's degree and know what their major will be should contact that department on the Weatherford campus for information regarding specific coursework that should be completed by the end of the sophomore year as elective credit, or they should contact their advisor on the Sayre campus and ask about specific electives they might take for their declared major since some of those electives may be available through interactive video courses and other distance education alternatives.

Course Descriptions

Arts and Sciences

Explanation of Course Numbers

The course number indicates the degree of advancement. Generally, courses with the lowest numbers should be completed first. Lower-division courses (1000-2000) are generally considered freshman and sophomore courses. Upper-division courses (3000-4000) are generally considered junior and senior courses, these may be taken on the Weatherford Campus or on the Sayre Campus via Interactive Video.

Prerequisites are noted by **bold print**.

ART

ART 1113 FUNDAMENTALS OF ART

Examination of the basics in art. Foundation laid for future participation in drawing and painting. This is a general education course, not for art majors or minors. Offered on demand.

ART 1163 BASIC DRAWING

Experience with tools, materials, and techniques commonly used in graphic expressions, such as pencil, pen, brush and crayon. This is a general education course, not for art majors or minors. Offered on demand.

ART 1223 ART SURVEY

A brief survey of multi-cultural developments in the visual arts from prehistory to the present. Purpose, influences, and evaluation are emphasized. This is a general education course, not for art majors or minors. May be used for humanities requirement. Offered in Fall and Spring.

ART 2001-4 INDIVIDUAL STUDY IN ART (Topic)

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

ART 2011-4 SEMINAR IN ART (Topic)

Group study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

BIOLOGICAL SCIENCES

BIOL 1004 BIOLOGICAL CONCEPTS

An introduction to the concepts and methods of biology needed to understand biological issues faced by society. Upon completion of the course, students will be able to apply the scientific method to problem solving and to explain natural phenomena. Students will also understand such concepts as the role of the cell in maintaining conditions essential for life. In addition, students will be able to describe the interactions between living organisms and the environment at the population, ecosystem, and biosphere levels and to identify potential impacts on society of biotechnology, world population growth, and human influences on global biogeochemical cycles. Offered in Fall, Spring, and Summer.

BIOL 2104 HUMAN ANATOMY

A study of the normal functional anatomy of the human body and the changes which occur in various clinical conditions. The laboratory includes extensive use of human models and cat dissection. This course is designed for students pursuing health career majors. **Prerequisite: 1004 Biology.** Offered in Fall.

BIOL 2204 INTRODUCTORY ZOOLOGY

The diversity of the protist and animal kingdoms will be examined with respect to their evolution, classification, and the comparative morphology, physiology, and behavior of major phyla. Offered on demand.

BIOL 2205 HUMAN ANATOMY & PHYSIOLOGY

A study of the structure and function of the human body. This course is designed to meet the needs of students in radiologic technology and others who need a working knowledge of the human body and its functions. This course fulfills the Anatomy and Physiology requirement for Health Information Management majors. **Prerequisite: 1004 Biology or 2204 Zoology or Permission of Instructor.** Offered in Fall.

Arts and Sciences

Arts And Sciences

BIOL 2304 HUMAN PHYSIOLOGY

A study of the normal function of the human body. Strong emphasis is placed on homeostasis. **Prerequisite:** BIOL 2104 or 2205 or Permission of Instructor. Offered in Spring.

BIOL 2404 INTRODUCTORY BOTANY

This course is a study of the structure, physiology, and ecology of higher plants and also includes a survey of the plant kingdom. **Prerequisite:** BIOL 1004. Offered on demand.

BIOL 2503 PARASITOLOGY

A study of the identification, isolation, morphology and life cycles of those parasites that affect man; includes both helminthology and protozoology. **Prerequisites:** BIOL 1004 and BIOL 1204. Offered in Fall.

BIOL 2001-4 INDIVIDUAL STUDY IN BIOLOGICAL SCIENCE (Topic)

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

BIOL 2011-4 SEMINAR IN BIOLOGICAL SCIENCE (Topic)

Group study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

Chemistry

CHEM 1004 CHEMISTRY

A survey course in general chemistry for students requiring a single chemistry course (4 hours or fewer) in their major or for students requiring a preparatory course for CHEM 1203 and CHEM 1252, General Chemistry I. Topics include measurements, atomic theory, bonding, naming/writing formulas of solids/liquids/gases, energy (primarily light/heat), reactions (including balancing equations, stoichiometry, equilibrium), solutions/concentrations, and acids/bases. The laboratory is designed to fortify the understanding of the major topics of the course. No prerequisites, although a minimal algebra background is helpful. Offered in Spring.

CHEM 1203 GENERAL CHEMISTRY I (LECTURE)

An introduction to chemical principles for students intending to major in science areas. Topics include concentration, stoichiometry, thermodynamics, atomic and molecular theory, properties of gases, liquids and solids.

Prerequisite: Completion of or concurrent enrollment in MATH 1513 . **Corequisite:** CHEM 1252. Offered in Spring of odd-numbered years.

CHEM 1252 GENERAL CHEMISTRY I (LAB)

Laboratory for General Chemistry I. Experimental investigation of those topics introduced in CHEM 1203 and introduction to visible spectroscopy.

Corequisite: CHEM 1203.

CHEM 1303 GENERAL CHEMISTRY II (LECTURE)

A continuation of chemical principles for students intending to major in science areas. Topics include kinetics, equilibria, acids and bases, second law, electrochemistry, and nuclear chemistry. Offered on demand. **Prerequisite:** CHEM 1203 and completion of, or concurrent enrollment in, CHEM 1252. Offered on demand.

CHEM 1352 GENERAL CHEMISTRY II (LAB)

Laboratory for General Chemistry II. Experimental Investigation of those topics introduced in CHEM 1303. **Prerequisites:** CHEM 1203 and CHEM 1252. **Corequisite:** CHEM 1303. Offered on demand.

CHEM 2044 CLINICAL CHEMISTRY

The study of various chemical analyses of body fluids. Offered in Spring.

CHEM 2001-4 INDIVIDUAL STUDY IN CHEMISTRY (Topic)

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

CHEM 2011-4 SEMINAR IN CHEMISTRY (Topic)

Group study of specified topic in chemistry for the undergraduate students. Credit: 1 to 4 semester hours.

**Arts
And Sciences**

Arts And Sciences

Computer Science

COMSC 1023 COMPUTERS AND INFORMATION ACCESS

Introduction to computers, computer software, and the use of computers to access information for general education students. Includes an introduction to computer hardware, microcomputer operating systems, and computer applications including word processors, spreadsheets, e-mail, Power Point and the Internet. Offered in Fall, Spring, and Summer.

COMSC 1033 COMPUTER SCIENCE I

Introductory programming course using the C++ programming language. The beginning course for students considering a major or minor in computer science. Introduction to algorithms, problem solving, and program design. Offered in Fall.

COMSC 1053 COMPUTER SCIENCE II

Continuation of Computer Science I. C++ language topics including structured data types and classes. Emphasis on program design, modularity, debugging, and documentation. **Prerequisite:** COMSC 1033. Offered in Spring.

COMSC 1433 VISUAL BASIC PROGRAMMING

Introductory programming course using the Visual BASIC programming language. Introduces students from a variety of backgrounds to computing concepts and computer programming. Offered in Fall and Spring.

COMSC 2053 JAVA PROGRAMMING

Introduction to a programming in Java for students with programming experience. Topics include an introduction to object-oriented programming in Java, Java applets, graphics, and multimedia applications. **Prerequisite:** COMSC 1053 or departmental consent.

COMSC 2063 OPERATING ENVIRONMENTS

This course will concentrate on Windows operating systems. Topics covered will include installation and customization of Windows, upgrading to newer versions of Windows, performance optimization, mouse operations, icon based file and program management operations, linking technologies, macros, installing and using application software, and some in-depth work with directory structures and file management. Integrated along with this graphical interface will be an introduction to DOS and many DOS commands. **Prerequisite: COMSC 1023 Computers and Information Access.** Offered on Demand.

COMSC 2153 INTRODUCTION TO NETWORKING

This is an introductory networking course. It will cover many of the basic concepts of constructing and operating a Local Area Network (LAN). This course will cover concepts that span over many systems like UNIX and Windows NT, but will concentrate mainly on Novell 4.1 networking. Topics will include installation and configuration of software and hardware components of a network, typical network configurations, and file and software sharing. Hands-on experience will be provided using a networked laboratory. **Prerequisite: COMSC 2063 Operating Environments.** Offered on Demand.

COMSC 2213 WEB SITE DESIGN

A study of HTML coding techniques and factors affecting page and site design. Includes image and multimedia formats and a significant student project.

COMSC 2923 INTERNSHIP IN NOVELL NETWORKING

This internship will allow computer science students to gain hands-on networking and PC experience (Novell 5.0 Intranetware and Windows operating systems on IBM compatibles). Students will be provided with a variety of common PC and networking projects to troubleshoot and solve. Students will participate in a sequence of situations coordinated by the network administrator. As well as these "setup" situations, students will also become involved in any actual current situation that might occur on campus during the internship. **Prerequisite: COMSC 1023. Corequisites: COMSC 2153, COMSC 2043.**

Arts And Sciences

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COMSC 2933 INTERNSHIP IN MICROSOFT NETWORKING

This internship will allow computer science students to gain hands-on networking and PC experience (Microsoft NT/2000 etc., servers and Windows operating systems on IBM compatibles). Students will be provided with a variety of common PC and networking projects to troubleshoot and solve. Students will participate in a sequence of situations coordinated by the network administrator. As well as these "setup" situations, students will also become involved in any actual current situation that might occur on campus during the internship. **Prerequisite: COMSC 1023. Corequisite: COMSC 2153, COMSC 2043.**

COMSC 2001-4 INDIVIDUAL STUDY IN COMPUTER SCIENCE (Topic)

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

COMSC 2011-4 SEMINAR IN COMPUTER SCIENCE (Topic)

Beginning and intermediate topics for individual and group study. Credit: 1 to 4 semester hours.

General Studies

GSTDY 0121 KEYBOARDING

Introduction to and mastery of alphabetic, numeric, and function keys on computers. Course is designed for students who cannot keyboard. Offered in Fall, Spring and Summer.

GSTDY 1001 FRESHMAN ORIENTATION

A course designed for beginning freshmen students to assist them in becoming familiar with the campus, university regulations and course offerings. Offered in Fall.

GSTDY 2001-4 INDIVIDUAL STUDY IN GENERAL STUDIES

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

GSTDY 2011-4 SEMINAR IN GENERAL STUDIES

Group study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

GSTDY 1323 OLD TESTAMENT SURVEY

A beginning course briefly touching all of the Old Testament books with a general geographic, sociological, and literary background. Offered on demand.

GSTDY 1122 NEW TESTAMENT SURVEY

A beginning course briefly touching all of the New Testament books with a general geographic, sociological, and literary background. Offered on demand.

GSTDY 1333 MENTAL HEALTH (Psychology of Human Interaction)

A survey course designed to examine how psychology is related to the adjustment and growth of individuals as they face the challenges of a rapidly changing world. Special emphasis is placed on the links between stress, health, and coping in both mental health and psychological disorders. Offered on demand.

Health, Physical Education and Recreation

HPER 1081 INTERMEDIATE GOLF

Continuation of HPER 1411 with emphasis on acquisition of advanced skills. Offered on demand.

HPER 1133 WELLNESS CONCEPTS AND EXERCISE APPLICATIONS

The course is designed to provide the student with a philosophy of living that encourages a higher quality of life and a state of well-being. Lifestyle choices are identified and explained in regard to proper exercise, weight management, stress management, substance use, sexually transmitted diseases prevention, and cancer protection. Assessment techniques and development of individual prescriptions in the areas of muscular strength, muscular flexibility, cardiovascular endurance, body composition, and nutrition are studied. Lifetime leisure skills are identified and developed to provide a well-rounded exposure to wellness. Offered in Fall, Spring and Summer.

Arts And Sciences

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HPER 1153 NUTRITION

A study of the basic principles of nutrition including dietary standards, food habits, nutrients, metabolism, special diets, food fads, dietary needs of all age groups.

HPER 1351 ELEMENTARY BOWLING

The fundamental skills of bowling, including instruction in stance, approach, delivery, aiming, and follow-through. Practice in etiquette, scoring, terminology, and forms of competition. Offered on demand.

HPER 1371 INTERMEDIATE BOWLING

Advanced skills and advanced forms of competition and league play. **Prerequisite:** HPER 1351. Offered on demand.

HPER 1411 ELEMENTARY GOLF

The fundamental skills of golf including instruction in stance, strokes, clubs, rules, terminology, etiquette, scoring, etc. Offered on demand.

HPER 1471 ELEMENTARY TENNIS

Basic instruction in the theory and practice of skills, rules, terminology, etiquette, and game strategy for singles and doubles play. Offered on demand.

HPER 1481 INTERMEDIATE TENNIS

Continuation of basic course with emphasis on practice of advanced strokes, serves, rules, and tournament competition. Offered on demand. **Prerequisite:** HPER 1471.

HPER 1521 INDIVIDUAL FITNESS TRAINING

Instruction and practice in skills and techniques of aerobic and weight training to promote individual fitness. Offered Fall, Spring and Summer.

HPER 1831 AEROBICS I

Instruction and practice of the basic elements of fitness and wellness with emphasis on cardiovascular endurance, flexibility, strength, body composition and posture. Offered on demand.

HPER 1841 BODY MECHANICS

Instruction and practice of the basic elements of fitness and wellness. Emphasis on cardiovascular endurance, flexibility, strength, body composition, and posture. Evaluation of personal fitness and development of a personal fitness program. Offered on Demand.

HPER 1851 AEROBICS II

Advanced instruction and practice of the basic elements of fitness and wellness with more emphasis on cardiovascular endurance, flexibility, strength, body composition and posture. Offered on demand.

HPER 2212 FIRST AID

Knowledge in accident prevention, emergency treatment, and care of injuries and illness. American Red Cross standards. Offered in Spring.

HPER 2001-4 INDIVIDUAL STUDY IN HEALTH, PHYSICAL EDUCATION AND RECREATION (Topic)

Individual study of specified topic in health, physical education, and recreation for undergraduate students. Credit: 1 to 4 semester hours.

HPER 2011-4 SEMINAR IN HEALTH AND PHYSICAL EDUCATION AND RECREATION (Topic)

Group study of specified topic in health, physical education and recreation for undergraduate. Credit: 1 to 4 semester hours.

Humanities

ART 1223 ART SURVEY

A brief survey of multi-cultural developments in the visual arts from prehistory to the present. Purpose, influences, and evaluation are emphasized. Offered in Fall and Spring.

Arts And Sciences

Arts And Sciences

MUSIC 1013 INTRODUCTION TO MUSIC

Introduction to the history of music and musical styles. Offered in Fall and Spring.

LIT 2413 INTRODUCTION TO LITERATURE

Studies in short fiction, poetry and drama. Offered in Fall, Spring, and Summer.

PHILO 1453 INTRODUCTION TO PHILOSOPHY

A survey of major philosophers and their respective contributions to philosophy from ancient Greece to the present, with emphasis on the western world. Offered in Fall, Spring, and Summer.

Language Arts

COMMUNICATIONS

COMM 1042 PHOTOGRAPHY

Fundamentals of darkroom techniques and camera use. Offered on demand.

COMM 1063 FUNDAMENTALS OF SPEECH

A basic course in communications skills with emphasis on individual and group speaking. Offered in Fall, Spring, and Summer.

COMM 2001-4 INDIVIDUAL STUDY IN COMMUNICATIONS (Topic)

Individual study of specified topic in Communications. Credit: 1 to 4 semester hours.

COMM 2011-4 SEMINAR IN COMMUNICATIONS (Topic)

A study of specified topic in Communications. Credit: 1 to 4 semester hours.

English

ENGL 0123 FUNDAMENTALS OF ENGLISH

A course designed to emphasize the principles of English grammar and sentence structure and to provide students an opportunity to increase their writing skills. Zero credits, this course is not counted as part of a major or minor. Offered in Fall and Spring.

ENGL 1002 WRITING SKILLS RE-ENFORCEMENT LABORATORY

This course is designed for students who either need additional assistance in sharpening their writing skills to either bring them up to a college level, or maintain them at a college level, or need assistance with a writing project within a specific discipline. Students plan a course of action and study with assistance of the instructor to meet the student's individual needs. Offered on demand.

ENGL 1113 ENGLISH COMPOSITION I

A limited review of the principles of grammar and basic language mechanics; training for effective communicative skills with emphasis on writing as required for successful college study. Offered in Fall, Spring, and Summer.

ENGL 1213 ENGLISH COMPOSITION II

Training for skills in communication, as in 1113, but at a higher level. Research paper required. **Prerequisite:** ENGL 1113. Offered in Fall, Spring, and Summer.

ENGL 2703 CREATIVE WRITING- FICTION

Survey of creative writing techniques, with emphasis on improving style and discovering voice. Practice in writing short stories, poems, and other creative forms. Criticism of manuscripts through group sessions and individual conferences with the instructor. **Prerequisites:** ENGL 1113 English Composition I or permission of instructor. Offered on demand.

ENGL 2713 CREATIVE WRITING- POETRY

The course will introduce students to the basic techniques of creative poetry writing by examining the elements of invention, phrasing, imagery, sound, rhythm, form and tone. The course is taught in a workshop structure using peer evaluation and portfolio assessment. **Prerequisites:** ENGL 1113 and permission of instructor. Offered on demand.

Arts And Sciences

Arts And Sciences

ENGL 2011-4 SEMINAR IN ENGLISH (Topic)

A study of specified topic in English for undergraduate students. Credit: 1 to 4 semester hours.

LITERATURE

LIT 1123 INTRODUCTION TO FICTION

An introduction to the short story as literary art form, with emphasis upon structure, characterization, plot, theme, and style. Extensive reading of selected short stories from American, British, and European Literature. Offered on demand.

LIT 2413 INTRODUCTION TO LITERATURE

Studies in short fiction, poetry and drama. (May be used for humanities.) Offered in Fall, Spring, and Summer.

LIT 2001-4 INDIVIDUAL STUDY IN LITERATURE (Topic)

Individual study of specified topic in Literature for undergraduate students. Credit: 1 to 4 semester hours.

LIT 2011-4 SEMINAR IN LITERATURE (Topic)

A study of specified topic in Literature for undergraduate students. Credit: 1 to 4 semester hours.

SPANISH

SPAN 1054 ELEMENTARY SPANISH I

Fundamentals of grammar taught in order to acquire facility in all four language skills: reading, writing, speaking and understanding spoken Spanish. Limited introductions to Hispanic culture; use of language laboratory. Offered in Spring.

SPAN 1154 ELEMENTARY SPANISH II

This course is a continuation of SPAN 1054 and completes the basic grammar of Spanish; consideration of Hispanic cultural background; use of language laboratory. **Prerequisite: SPAN 1054 or equivalent high school Spanish.** Offered on demand.

SPAN 2353 SPANISH CONVERSATION

Study designed to develop fluency in speaking Spanish and a command of idiomatic expressions. Offered on demand.

MATHEMATICS

MATH 0123 BASIC ALGEBRA

Entry level algebra course including arithmetic skills to meet math deficiency. Non-credit course designed to prepare students for Intermediate Algebra. Offered in Fall, Spring and Summer.

MATH 1103 INTERMEDIATE ALGEBRA

Real and complex numbers, and algebraic expressions. Solutions of equations and inequalities through quadratics. Solutions of rational, radical, absolute value, and polynomial equations and inequalities. Systems of linear equations and inequalities. Functions, graphing of linear and quadratic equations. Offered in Fall, Spring, and Summer.

MATH 1143 MATH CONCEPTS

Students will learn to speak and write mathematics with precision, clarity, and organization; acquire basic mathematical literacy; and be able to apply mathematical concepts. Offered in Fall and Spring.

MATH 1513 COLLEGE ALGEBRA

A fundamental course including solutions of equations, inequalities, systems of equations, logarithms, conic sections and theory of numbers. **Prerequisite: departmental approval or placement by examination.** Offered in Fall, Spring, and Summer.

MATH 1613 COLLEGE TRIGONOMETRY

The basic course stressing trigonometric functions, periodicity, identities and solutions of triangles. **Prerequisites: MATH 1513 College Algebra, departmental approval, or placement by examination.** Offered on demand.

Arts And Sciences

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MATH 2001-4 INDIVIDUAL STUDY IN MATHEMATICS (Topic)

Individual study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

MATH 2011-4 SEMINAR IN MATHEMATICS (Topic)

Group study of specified topic for undergraduate students. Credit: 1 to 4 semester hours.

MUSIC

MUSIC 1013 INTRODUCTION TO MUSIC I

Introduction to the history of music and musical styles. (May be used for humanities.) Offered in Fall and Spring.

MUSIC 2001-4 INDIVIDUAL STUDY IN MUSIC (Topic)

Individual study of specified topic in music. Credit: 1 to 4 semester hours.

MUSIC 2011-4 SEMINAR IN MUSIC (Topic)

A group study of specified topic in music. Credit: 1 to 4 semester hours.

PHILOSOPHY

PHILO 1453 INTRODUCTION TO PHILOSOPHY

A survey of major philosophers and their respective contributions to philosophy from ancient Greece to the present with emphasis on the western world. (May be used for humanities) Offered in Fall, Spring, and Summer.

PHILO 2001-4 INDIVIDUAL STUDY IN PHILOSOPHY (Topic)

Individual study in specified topic in Philosophy. Credit: 1 to 4 semester hours.

PHILO 2011-4 SEMINAR IN PHILOSOPHY (Topic)

A group study of specified topic in Philosophy. Credit: 1 to 4 semester hours.

PHYSICS

PHY 2001-4 INDIVIDUAL STUDY IN PHYSICS (Topic)

Individual study in Physics for the undergraduate. Credit: 1 to 4 semester hours.

PHY 2011-4 SEMINAR IN PHYSICS (Topic)

A study of specified topic in physics. Credit: 1 to 4 semester hours.

SOCIAL SCIENCES

CRIMINAL JUSTICE

CRMJS 1113 INTRODUCTION TO CRIMINAL JUSTICE

An overview of the agencies and processes involved in the administration of justice to those accused and convicted of violating the criminal law. Agency problems and due process issues related to law enforcement, prosecution, adjudication, sentencing and confinement of offenders are discussed. Offered on demand.

CORRECTIONS

CRMJS 1003 INTRODUCTION TO CORRECTIONS PROCEDURES

This course is designed to give the student an overview of the Department of Corrections and the Criminal Justice System through examining the history, mission and organizational structures. Additional topics students will examine include legal aspects affecting the correction officer, terminology used in corrections, the offender classification system, offender programs, offender disciplinary procedures from initiating an offense report through the appeal process, maintaining public image including courtroom demeanor, maintaining a clean facility and effective management of offenders, and developing job readiness skills. Offered on demand.

**Arts
And Sciences**

Arts And Sciences

CRMJS 1013 CORRECTIONS OFFICER PHYSICAL TRAINING

This course is designed to introduce the student to physical conditioning including physical assessment, aspects of nutrition, aerobic exercise and its effects on conditioning program to achieve personal fitness goals and prepare for the physical demands of a career as a corrections officer. The student learns defensive tactics and self-defense utilizing a combination of the Federal Bureau of Prisons' self-defense course and the National Law Enforcement Training Center's defensive tactics model to better prepare him/her for potentially dangerous situations and possible physical assault. Offered on demand.

CRMJS 1103 ISSUES IN CORRECTIONAL PROCEDURES

Students study procedural issues in corrections that include definitions of sexual harassment utilizing state and federal laws and the effects of sexual harassment on the team work effort; conflict resolution, the causes and effects of personal conflicts, and basic skills in evaluating potential problem areas, controlling the situation, selecting appropriate response and negotiating resolutions; cultural diversity training, and computer operations including software applications pertinent to the corrections institution and facility. Offered on demand.

CRMJS 1114 ENVIRONMENTAL SECURITY PROCEDURES

This course is designed to train the student in matters of institutional and facility security to include radio communications, facility emergencies, post orders, offender counts, tool and key control, searches, contraband and physical evidence, crime scene preservation, restrictive housing, property issues, and transportation of offenders. Offered on demand.

CRMJS 1123 COMMUNICATIONS FOR CORRECTIONS OFFICERS

This course introduces students to the basic rules of writing an effective report through the use of proper grammar, punctuation, spelling, and clear sentence structure. In addition, students will be introduced to interpersonal and small group verbal communication techniques, effective listening, team building using the TQM approach, and practical reasoning skills emphasizing talking as the best defense. Offered on demand.

CRMJS 1203 CORRECTIONS OFFICER PROTECTION PROCEDURES I

Students receive instruction in firearms training including weapons nomenclature, handling, and safety; range safety; care and cleaning of weapons; and qualification with the handgun, rifle, and shotgun. Students receive additional training on the FATS III firearms training simulator, in defensive driving, in the use of force, and in the use of restraints. Offered on demand.

CRMJS 1213 CORRECTIONS OFFICER PROTECTION PROCEDURES II

The student will become familiar with identifying possible gang activity through discussion of the basic characteristics of gang mentality and gang behavior and through the identification of gang signs and gang slang. Students will also learn to identify behavior characteristics of offenders with special needs with focus being placed on substance abuse, suicide, psychological disorders, and emotional disorders. Further, the student will be exposed to the threat of being taken hostage and the dynamics of a hostage situation as well as techniques for surviving such a situation through negotiation and understanding the Stockholm Syndrome. Identification of pre-riot conditions and techniques of riot prevention will be discussed as well as methods for riot control. Additional topics students will be exposed to include First Aid and CPR training and aspects of job safety including hazard communication, ergonomics, back injury, fire safety, slips, trips, and falls and good housekeeping. **Prerequisite:** CRMJS 1203. Offered on demand.

CRMJS 1223 INTRODUCTION TO LAW ENFORCEMENT

A description and analysis of law enforcement history and current practice. The complex role of American police agents at all levels of government, models of police service, critical issues affecting law enforcement practice and the progress toward professionalism are emphasized. Offered on demand.

CRMJS 1253 AMERICAN CORRECTIONS SYSTEM

A description and analysis of the history of correctional thought and practice, the agencies and personnel responsible for carrying out criminal sentences, and the rights and restrictions which apply to criminal offenders. Offered on demand.

Arts And Sciences

Arts And Sciences

CRMJS 2353 THE ADMINISTRATION OF CORRECTIONAL INSTITUTIONS

A study of organization management and leadership of institutions which confine offenders. The course includes discussion of short-term detention facilities, jails, prisons, personnel issues, staff-inmate relations, and the future directions of institutional design and administration. Offered on demand.

CRMJS 2453 PROBATION, PAROLE AND COMMUNITY TREATMENT

An examination of the most common and new methods of supervising offenders in the community. The structure, management and personnel of probation, parole and other correctional services are discussed as well as innovative approaches to working with offenders such as house arrest, electronic monitoring and intensive supervision. Offered on demand.

GEOGRAPHY

GEOG 1103 WORLD CULTURAL GEOGRAPHY

Study of the world's cultural regions. Cultural development is surveyed for such topics as populations, technologic-economic systems, and socio-cultural beliefs and practices. Offered in Fall and Spring.

GEOG 2103 PHYSICAL GEOGRAPHY

Introduction to physical geography including study of earth materials, landforms, earth-sun relationships, weather elements, climatic types, natural vegetation and soil types. Offered on demand.

GEOG 2001-4 INDIVIDUAL STUDY IN GEOGRAPHY (Topic)

Individual study of specified topic in Geography for undergraduate students.
Credit: 1 to 4 semester hours.

GEOG 2011-4 SEMINAR IN GEOGRAPHY (Topic)

Intensive study on specified topic in Geography for undergraduate students.
Credit: 1 to 4 semester hours.

HISTORY

HIST 1003 EARLY WORLD HISTORY

Introduction to cultures of western civilization from prehistoric times to the formation of modern Europe, including Near Eastern, Greek, Roman, Middle Ages, Renaissance, and Reformation. Offered on demand.

HIST 1023 MODERN WORLD HISTORY

Introduction to western civilization from Reformation to present times, including age of absolutism, French Revolution, Napoleon, nationalism, industrialization, World Wars I & II. Offered on demand.

HIST 1033 WORLD HISTORY

An introduction to the world civilizations with an emphasis on the development of ideas, institutions, and religions as well as an examination of the impact particular individuals and movements have had in history. Offered in Fall and Spring.

HIST 1043 AMERICAN HISTORY TO 1877

A survey of American History beginning with the European background and continuing through the Reconstruction era. Offered on demand.

HIST 1053 AMERICAN HISTORY SINCE 1877

A survey of American History from the end of Reconstruction to the present. Offered on demand.

HIST 1063 UNITED STATES HISTORY

A survey of American History from colonial times to the present. Offered in Fall, Spring and Summer.

HIST 2001-4 INDIVIDUAL STUDY IN HISTORY (Topic)

Individual study of specified topic in History. Credit: 1 to 4 semester hours.

HIST 2011-4 SEMINAR IN HISTORY (Topic)

Intensive study of selected topic in History. Credit: 1 to 4 semester hours.

**Arts
And Sciences**

Arts And Sciences

POLITICAL SCIENCE

POLSC 1103 AMERICAN GOVERNMENT AND POLITICS

Survey of origin, structure, and functions of national government with emphasis on the Constitution and the American political process. **This course is a prerequisite for all political science courses.** Offered in Fall, Spring, and Summer.

POLSC 1153 WORLD RELATIONS AND POLITICS

A general education course analyzing international, political and economic problems of the contemporary world from a comparative perspective. **No prerequisite; not for major credit.** Offered in Fall and Spring.

POLSC 2001-4 INDIVIDUAL STUDY IN POLITICAL SCIENCE (Topic)

Individual study in Political Science (Topic). Credit: 1 to 4 semester hours.

POLSC 2011-4 SEMINAR IN POLITICAL SCIENCE (Topic)

Intensive study of selected topic in Political Science. Credit: 1 to 4 semester hours.

PSYCHOLOGY

PSYCH 1003 GENERAL PSYCHOLOGY

A general education course which provides an overview of psychology with an emphasis on the applied areas in the field. Offered in Fall, Spring, and Summer.

GSTDY 1333 MENTAL HEALTH (Psychology of Human Interaction)

A survey course designed to examine how psychology is related to the adjustment and growth of individuals as they face the challenges of a rapidly changing world. Special emphasis is placed on the links between stress, health, and coping in both mental health and psychological disorders. Offered on demand.

PSYCH 2413 ADVANCED GENERAL PSYCHOLOGY

A detailed analysis of the basic principles, concepts, and theories underlying psychology as a science of behavior. Offered on demand.

PSYCH 2433 PSYCHOLOGICAL STATISTICS

Statistical methods applied to the behavioral sciences. The understanding and application of descriptive and inferential statistics. Covers topics from central tendency to analysis and variance. **Prerequisites: PSYCH 1003 or PSYCH 2413.** Offered on demand.

PSYCH 2001-4 INDIVIDUAL STUDY IN PSYCHOLOGY (Topic)

Individual study of specified topic in Psychology for undergraduate students. Credit: 1 to 4 semester hours.

PSYCH 2011-4 SEMINAR IN PSYCHOLOGY (Topic)

Group study of specific topic in Psychology for undergraduate students. Credit: 1 to 4 semester hours.

PSYCH 2313 DEVELOPMENTAL PSYCHOLOGY

A study of the physical, cognitive, psychological, and social development of the individual from the prenatal period through the aging adult. **Prerequisite: PSYCH 1003 or PSYCH 2413 .** Offered on demand.

EDPSY 3413 CHILD PSYCHOLOGY

Study of the phases of growth and development from conception through childhood. Emphasis is placed on cognitive and personality changes. **Prerequisite: PSYCH 1003 or PSYCH 2413 .** Offered via telecourse from Weatherford Fall and Spring.

EDPSY 3433 ADOLESCENT PSYCHOLOGY

A realistic examination of the categories of behavior, developmental growth stages, family relationships, and social influences from late childhood through early adulthood as they apply to the school and classroom environments. Major emphasis is also directed to competency mastery of the Competencies for Licensure and Certification and to the objectives for the Professional Teaching Examination presented by the Oklahoma Commission for Teacher Preparation. **Prerequisites: PSYCH 1003 or PSYCH 2413.** Offered on demand via interactive video from Weatherford.

Arts And Sciences

Arts And Sciences

SCIENCE

SCI 1514 CONCEPTS OF PHYSICAL SCIENCE

A course designed to develop an awareness of the inter-relationship between science and society. Readings and discussions on the "tactics and strategy" of science, with an emphasis on the physical sciences. Offered in Fall and Spring.

SCI 1614 SCIENCE AND THE ENVIRONMENT

A course designed for non-science majors to satisfy the four-hour physical science requirement in the General Education program. Physical Science principles are developed on a need-to-know basis as they apply to environmental issues. Students will be required to read critically, think analytically, and assess information in ways that lead to informed conclusions and decisions concerning environmental issues. **No prerequisite.** Offered in Fall and Spring.

GEOL 1934 PHYSICAL GEOLOGY

Introduction to earth science, earth in the universe, seafloor spreading and continental drift, the geomagnetic field, earthquakes and landform development; laboratory study of minerals, rocks, topographic maps, stereophotographs and landforms. Offered on demand.

SOCIOLOGY

SOCIO 1003 INTRODUCTION TO SOCIOLOGY

A General Education course covering the fundamental concepts of sociology; foundations of group life; social change, processes and problems. **Unless otherwise noted, SOCIO 1003 is a prerequisite for all sociology courses, except SOCIO 2103.** Offered in Fall and Spring.

SOCIO 2103 SOCIAL PROBLEMS

Designed to introduce students to the social disorganization, personal deviation, and value conflicts inherent to a changing social milieu. Offered in Spring.

SOCIO 2001-4 INDIVIDUAL STUDY IN SOCIOLOGY (Topic)

Individual study of specified topic in Sociology for undergraduate students. Credit: 1 to 4 semester hours.

SOCIO 2011-4 SEMINAR IN SOCIOLOGY (Topic)

Group study of specified topic in Sociology for undergraduate students.
Credit: 1 to 4 semester hours.

SOCIO 2901-4 DIRECTED STUDY IN SOCIOLOGY

Directed study of specified topics in Sociology for undergraduate students.
Credit: 1 to 4 semester hours.

BUSINESS

Business

ACCOUNTING AND FINANCE

ACCTG 2213 PRINCIPLES OF ACCOUNTING I

Financial accounting concepts related to the processes and principles of accrual accounting and the preparation of financial statements and reports for parties external to the firm. **Prerequisite: Sophomore standing or advisor approval.** Offered in Fall.

ACCTG 2313 PRINCIPLES OF ACCOUNTING II

Continuation of ACCTG 2213 to include further discussion of partnerships, corporations, managerial accounting concepts and objectives, planning and control of sales and cost, analysis of costs and profits. **Prerequisite: ACCTG 2213.** Offered in Spring.

MRKTG 3143 PRINCIPLES OF MARKETING

The course provides an overview of the Marketing process structured around the concept of the "Four P's of Marketing." The course is intended as a foundation course for those who will pursue further coursework in the discipline and as a survey course of Marketing's importance to the firm for those who will not. **Prerequisite: Junior standing.** Offered on demand via interactive video from Weatherford.

MNGMT 3233 MANAGEMENT

An introductory management course dealing with the fundamental principles of management such as planning, organizing, directing, controlling and evaluation. This course addresses fundamental theory and the applications. **Prerequisite: Junior standing.** Offered on demand via interactive video from Weatherford.

Business

FINAN 3343 BUSINESS FINANCE

A survey course with emphasis on the financial characteristics of modern U.S. corporations. **Prerequisite:** ACCTG 2313. Offered on demand via interactive video from Weatherford.

MNGMT 3433 ADMINISTRATIVE THEORY

Study of the relationship between administrative processes and organizational development, structure and design; emphasis on management considerations, the global environment, effects of technology, governance and control, culture, decision-making, power and politics, and change as it relates to organizations. Extensive use of case studies. **Prerequisite:** MNGMT 3233. Offered on demand via interactive video from Weatherford.

MNGMT 3533 ORGANIZATIONAL BEHAVIOR

Study of the relationship between administrative process and organizational development, structure, and design; emphasis on management considerations, the global environment, effects of technology, governance and control, culture, decision-making, power and politics, and change as it relates to organizations. Extensive use of case studies. **Prerequisite:** MNGMT 3233. Offered on demand via interactive video from Weatherford.

ACCTG 2003 INDIVIDUAL STUDY IN ACCOUNTING (Topic)

Individual study in specified topics in accounting for undergraduate students. Credit: three semester hours.

ACCTG 2013 SEMINAR IN ACCOUNTING (Topic)

Group study of specified topics in accounting for undergraduate students. Credit: three semester hours.

GENERAL BUSINESS

GEBUS 2253 BUSINESS COMMUNICATIONS

Extensive instruction and practice in letter writing. Insight into basic communication theory. **Prerequisites:** ENGL 1113 & 1213, COMM 1063, and GEBUS 2723. Offered in Fall.

GEBUS 2273 BUSINESS MATHEMATICS-OFFICE MACHINES

The principles and concepts of business mathematics are presented together with the proper operation of numeric keypad. Students use microcomputers in solving business math problems. Offered in Fall and Spring.

GEBUS 2723 COMPUTER BUSINESS APPLICATIONS

Introduction to computer technology to prepare students for computer applications used in business courses and in the workplace. Content includes windows, word processing, spreadsheets, database, and presentation software. Keyboarding proficiency required. **Prerequisite: MATH 1513 or higher.** Offered in Fall.

GEBUS 3123 LEGAL ENVIRONMENT OF BUSINESS

An introduction to the legal system in the United States. Students are encouraged to analyze case law and legal precedent. Primary legal topics covered include constitutional, administrative, contract, tort and criminal law. **Prerequisite: Junior Standing.** Offered on demand via interactive video from Weatherford.

GEBUS 3823 QUANTITATIVE METHODS IN BUSINESS

This course addresses the component of quantitative skills needed in all areas of business. These skills include mathematical, statistical, forecasting and operations research. Computer utilization is used in analyzing and solving business related problems. **Prerequisite: ECONO 2463.** Offered on demand via interactive video from Weatherford.

GEBUS 2003 INDIVIDUAL STUDY IN GENERAL BUSINESS (Topic)

Individual study on specified topics in business for undergraduate students. Credit: Three semester hours.

GEBUS 2013 SEMINAR IN BUSINESS (Topic)

Group study of specified topic in general business for undergraduate students. Credit: Three semester hours.

Business

ECONOMICS

ECONO 1113 CONTEMPORARY ECONOMICS

An introductory level course in economics designed for general education students. Emphasis is placed on providing an understanding of today's economic world. Special attention is given to domestic and global issues including consumer behavior and workings of various markets. **NOTE: Will not substitute for Economics 2263 or 2363.** Offered in Fall and Spring.

ECONO 2263 INTRODUCTION TO MACROECONOMICS

Study of the economy as a whole. Topics include national income accounting, the determination of the levels of income, output, employment, and price; money and banking; stabilization policies; international economics. Offered in Fall and Spring.

ECONO 2363 INTRODUCTION TO MICROECONOMICS

Fundamental microeconomic principles involving behavior of consumers, business firms, and resource owners; as they relate to the allocation of resources; individual price and output determination. Offered in Fall and Spring.

ECONO 2463 BUSINESS STATISTICS

Study of the relationship of data collection, analysis, and decision making; emphasis on data collection, tabular and graphical methods, probability, discrete and continuous probability distributions, sampling methods and distributions, interval estimation, hypothesis testing, statistical inference, and linear regression and analysis. **Prerequisite: MATH 1513.** Offered on demand.

ECONO 2003 INDIVIDUAL STUDY IN ECONOMICS (Topic)

Individual study in specified topic in economics and finance for undergraduate students. Credit: Three semester hours.

ECONO 2013 SEMINAR IN ECONOMICS AND FINANCE (Topic)

Group study on topic in economics and finance for undergraduate students. Credit: Three semester hours.

EDUCATION

RDNG 0123 IMPROVEMENT OF READING

Designed for self-improvement in basic reading skills. Designated materials are utilized for correction of reading skill deficiencies, vocabulary development, and phonetic analysis. Also used as a remediation requirement of ACT score below 19 in reading. Offered in Fall and Spring.

EDUC 2113 FOUNDATIONS OF EDUCATION

Introduction to the historical, philosophical, and the social foundations of education and their relationships to teaching as a profession. Current issues of education are also introduced and discussed. Laboratory experiences as an observer/aide in the public schools and procedures for admission to teacher education are included. Offered in Fall, Spring, and Summer via Interactive Video.

EDUC 2001-4 INDIVIDUAL STUDY IN EDUCATION (Topic)

Individual study of specified topic in education for undergraduate students. Credit: 1 to 4 semester hours.

EDUC 2011-4 SEMINAR IN EDUCATION (Topic)

Group study of specified topic in education for undergraduate students. Credit: 1 to 4 semester hours.

Childhood Development

ECED 2213 INTRODUCTION TO EARLY CHILDHOOD EDUCATION

A survey of current practices, programs, and innovations in early childhood education. Emphasis is placed upon the young child's cognitive, social, emotional, and physical development.

ECED 2223 PLAY STRATEGIES IN EARLY CHILDHOOD EDUCATION

A survey of the use of play as a learning and socializing process. Special emphasis will be given to topics such as theories, types, stages of play, and play materials and equipment in relationship to various play environments.

Education

Education

ECED 2233 EFFECTIVE PARENTING

Provides effective parenting skills appropriate for anyone who is interested in parenthood. Students learn to teach and monitor child's progress, develop reasoning skills to implement proper first aid, medication, and appropriate guidance measures. Effective listening and spoken techniques in parent/teacher conferences are developed along with communication skills. Child care situations and resources are explained and written report examples are developed. The intellectual and emotional growth of children and parents will be taught as well as learning how to develop strategies for managing stressful situations.

ECED 2243 COGNITIVE DEVELOPMENT IN EARLY CHILDHOOD EDUCATION

Development of concepts and methods in math, science, and social studies appropriate for early childhood education.

ECED 2253 CURRICULUM FOR EARLY CHILDHOOD EDUCATION I

Development of concepts and methods in art, music, and literature appropriate for early childhood education.

ECED 2263 CURRICULUM FOR EARLY CHILDHOOD EDUCATION II

An introduction to developmentally appropriate practice in the guidance of young children; emphasis on developmental needs, behavior of preschool children, methods and principles of guidance. Two hours laboratory participation per week. **Prerequisite:** ECED 2213. **Corequisite:** ECED 2263L.

ECED 2273 CHILD DEVELOPMENT

Study of the phases of growth and development through childhood considering the physical, emotional, intellectual, and social aspects of behavior. Special emphasis will be given to the family and its influence on the developmental process. Also, strongly emphasizes the knowledge necessary to understand factors that influence the development of young children and the sequence and interdependency of physical, social, emotional, cognitive, and language development in children from birth to age eight. Covered also is the development and interdependency of all developmental areas to meet the needs of the group and individual while respecting each child's unique rate of development. **Prerequisite:** ECED 2263.

ECED 2283 CHILDCARE CENTER PROGRAM PLANNING

Presents program planning to include analyzing types of childcare programs, interpreting local, state and federal agency guidelines, outlining procedures for developing program plans, developing a philosophy of care-giving, summarizing state standards, analyzing group patterns, developing a comprehensive curriculum and involving staff, families of clients, and board members in planning a childcare program. Also stresses the importance of childcare personnel in selection and retention for the workplace.

Prerequisite: ECED 2263.

ECED 2292 FIELD EXPERIENCE IN EARLY CHILDHOOD EDUCATION

Observation experiences; planning and conducting the early childhood program under instructor's supervision. (Four hours per week laboratory participation and one hour conference.) **Prerequisite:** ECED 2263.

Exceptional Child Paraprofessionals

EDUC 2023 INTRODUCTION TO STUDENTS WITH MILD/MODERATE DISABILITIES

This course is designed to provide an overview of the characteristics of various learners with mild/moderate disabilities. The focus of the course will include history, causes, identification, theoretical models, intervention, and service delivery.

EDUC 2033 CURRICULUM AND TECHNIQUES FOR STUDENTS WITH MILD/MODERATE DISABILITIES

This course is designed for the student to develop skills necessary to teach students with mild/moderate disabilities. This includes students with learning disabilities, mental retardation, emotional disturbance, and other at-risk populations. The focus of the course will begin with foundational concepts of the teaching/learning process. Focus will then be on methods, procedures, techniques and curriculum for effectively teaching specific skills, strategies, and content areas to students with mild/moderate disabilities.

EDUC 2333 METHODS OF MANAGING STUDENTS WITH EMOTIONAL/BEHAVIORAL DISORDERS

The course will deal with techniques for handling disruptive students in the general educational class. Students will be given a variety of techniques that have proven to be successful. The students will be given information concerning causal factors and various facets of disordered behaviors.

Education

Education

EDUC 2012 SEMINAR IN EDUCATION

Group study of specified topic in education for undergraduate students.

EDUC 2862 POLICIES AND PROCEDURES IN SPECIAL EDUCATION

This course focuses on the understanding of the requirements of a Special Education teacher. Students will learn how to develop an IEP, behavioral plan, and individualized lesson plans, and interpret information concerning a child's classroom performance and behavior.

EDUC 2821 PRACTICUM-MILD/MODERATE DISABILITIES IN A RESIDENTIAL/EDUCATIONAL SETTING

Supervised participation working closely with certified teachers in assisting with the implementation of programs involving identified students in educational and residential settings.

ALLIED HEALTH SCIENCES

NURS 2212 INTRODUCTION TO PROFESSIONAL NURSING

The profession of nursing is explored through the philosophy and conceptual framework of the School of Nursing. The historical development of nursing and nursing education are linked to current nursing practice. Ethical and legal aspects of nursing, as they affect the student entering nursing, are incorporated into the course. Student accountability and professionalism are introduced and developed. Two hours of theory. **Prerequisite: None.** Offered in Spring via interactive video from Weatherford.

ALHLT 2355 MICROBIOLOGY

A basic study of microorganisms, involving classification and cultivation of bacteria, fungi, and viruses. Special emphasis is directed toward microbial morphology and physiology, disease-causing microorganisms, antibiotics, and their action and immune mechanisms. **Prerequisite: BIOL 1004.** Offered in Fall.

ALHLT 2404 PATHOGENIC MICROBIOLOGY

A detailed study of the pathology of disease-causing microorganisms and laboratory training in the area of medical microbiology, immunology, and clinical diagnostic procedures. **Prerequisite: 2355 Microbiology.** Offered in Spring.

ALHLT 2443 MEDICAL TERMINOLOGY

A course designed to teach the student prefixes, suffixes, and root-words of Greek and/or Latin origin frequently used in medical terminology. Understanding of word part combination practices, pronunciation, spelling and common medical abbreviations is presented. Offered in Fall and Spring.

ALHLT 2001-4 INDIVIDUAL STUDY IN ALLIED HEALTH (Topic)

Individual study of a specified topic in Allied Health. Credit: 1 to 4 semester hours.

ALHLT 2011-4 SEMINAR IN ALLIED HEALTH (Topic)

Group study of a specified topic in Allied Health. Credit: 1 to 4 semester hours.

MEDICAL TECHNOLOGY

ALHLT 1034 HEMATOLOGY AND PHLEBOTOMY I

Orientation to the basic outlines of the medical technology profession with emphasis on the ethics, general teachings, phlebotomy, and basic hematology theory and techniques. Offered in Fall.

ALHLT 1002 CLINICAL PRACTICUM—PHLEBOTOMY

Students are assigned to clinical training sites where they must complete a minimum of 120 clock hours and perform a minimum of 100 venipunctures and 25 finger/heelsticks. **Prerequisite: ALHLT 1034 Hematology and Phlebotomy I or instructor approval.** Offered on demand.

ALHLT 1044 HEMATOLOGY II

Study of additional medical technology techniques including advanced hematology, and coagulation theory and procedures. **Prerequisite: ALHLT 1034 Hematology and Phlebotomy I.** Offered in Spring.

Allied Health Sciences

Allied Health Sciences

ALHLT 1202 URINALYSIS AND BODY FLUIDS

This course is designed for the study of body fluids other than blood. Studies will focus on the analysis of cerebrospinal fluid; seminal fluid; amniotic, synovial, serous fluid; and urine. **Prerequisites include ALHLT Hematology and Phlebotomy I and concurrent enrollment in ALHLT 1044 Hematology II.** Offered in Spring.

ALHLT 1314 LABORATORY CLINICAL I

Orientation of students beginning clinical training. Training includes 240 hours. MLT students are introduced to the policies and procedures as well as to the regulations of the laboratory. Areas of clinical work include venipuncture, urinalysis, hematology, and coagulation under supervision of laboratory personnel. **Offered by instructor approval only and by arrangement.**

ALHLT 2024 LABORATORY CLINICAL II

A continuation of Laboratory Clinical I. Training includes an additional 240 hours and covers serology, clinical chemistry, blood banking, and microbiology under the supervision of laboratory personnel. **Offered by instructor approval only and by arrangement.**

ALHLT 2033 BLOOD BANKING

A study of the basic principles of blood banking and the techniques involved in various phases of blood banking in clinical situations. The course covers pretransfusion testing, compatibility testing, blood and blood components and their use in transfusion therapy, hemolytic disease of the newborn, and transfusion acquired infectious diseases. Designed for MLT students. Offered in Spring.

ALHLT 2104 LABORATORY CLINICAL III

Continuation of supervised clinical training for MLT students including 240 hours per semester in a clinical facility. Use, maintenance and troubleshooting of automated instrumentation are also covered. **Offered by instructor approval only and by arrangement.**

ALHLT 2412 IMMUNOLOGY AND SEROLOGY

A study of the immune system, antigen-antibody reactions and the application of these reactions in serology detection procedures in disease and infection. Designed for MLT students. Offered in Fall.

ALHLT 2422 REGISTRY PREPARATION-MEDICAL TECHNOLOGY

A review of all areas of the curriculum course of study in medical technology. Preparation for the national registry examination (AMT). Designed for MLT students. Offered in Spring.

ALHLT 1414 LABORATORY CLINICAL IV

Continuation of clinical training for students meeting other requirements for the Medical Technology (MT) Registry. Requires 240 clinical hours in all laboratory departments. **Prerequisite: ALHLT 2104**

Laboratory Clinical III.

RADIOLOGIC TECHNOLOGY

ALHLT 1021 RADIATION SAFETY AND PROTECTION

A comprehensive course designed to provide the student with principles of radiation protection. Radiation-protection responsibility by the radiographer to patients, personnel, and the public is presented, as well as self-protection methods for personnel working around ionizing radiation. Dose limit and regulatory involvement are discussed, as well as radiation monitoring and measurement. Offered in Fall.

ALHLT 1053 RADIOGRAPHIC POSITIONING I

A comprehensive course which provides the student with the knowledge to perform radiographic procedures of a routine nature. Provides a correlated introduction to skeletal anatomy as well as the digestive and urinary systems. Considerations related to the production of quality radiographics will be incorporated. Offered in Fall.

ALHLT 1062 INTRODUCTION TO RADIOLOGIC TECHNOLOGY

An introductory course designed to acquaint the student with the field of medical radiography and its associated modalities. Student responsibilities will be outlined. Students will be oriented to academic and administrative structure, key departments and personnel, and to the profession as a whole. Medical application of ethics and confidentiality are examined. Offered in Fall.

**Allied Health
Sciences**

Allied Health Sciences

ALHLT 1071 PATIENT CARE

A study of the physical and psychological aspects of dealing with sick and/or dying patients, family, physicians, and other health-care professionals. This includes proper body mechanics, transport/transfer techniques, asepsis and infection control, precautions, proper communication skills, basic terminology, and application of all the aforementioned. Offered in Fall.

ALHLT 1082 RADIOGRAPHIC EXPOSURE I

An introductory course designed to provide the student with the knowledge of factors that govern and influence the production of the radiographic image on radiographic film. Offered in Fall.

ALHLT 1116 CLINICAL PRACTICE I

A clinical education sequence which provides the student with practical application of previously mastered theory within a radiology department and the hospital environment. The student will actively perform specific radiographic studies under the supervision of a registered technologist. Clinical Practice I and II are performed successively in the spring semester, first year. **In addition, students are responsible for attaining certification in C.P.R. before enrolling in Clinical Practice I.** Offered in Spring.

ALHLT 1126 CLINICAL PRACTICE II

A clinical education sequence which provides the student with practical application of previously mastered theory within a radiology department and the hospital environment. The student will actively perform specific radiographic studies under the supervision of a registered technologist. Clinical Practice I and II are performed successively in the spring semester, first year. Offered in Spring.

ALHLT 1131 RADIOGRAPHIC EXPOSURE II

A continued development of the study of the formation of exposure techniques and their resulting effects. Includes application of exposure variables utilized in examinations not considered routine and the control of variable radiation types caused by the interaction of radiation with matter. **Prerequisite: 1082 Radiographic Exposure I.** Offered in Summer.

ALHLT 1142 IMAGING AND PROCESSING

An investigative study into the aspects of radiographic image formation, including film type and construction, screen type and construction, processing procedures and chemicals and their effects, and imaging equipment. Also examined are some various imaging modalities. Offered in Summer.

ALHLT 1151 RADIOGRAPHIC POSITIONING II

A comprehensive study which provides the student with the knowledge and experience to perform radiographic procedures not previously addressed, to include skull radiography and examinations not considered routine. **Prerequisite: Radiographic Positioning I.** Offered in Summer.

ALHLT 1162 RADIOLOGIC PATHOLOGY

An introduction to the concepts of disease and their resulting effects on human physiology, with specific emphasis on pathology and disease as it relates to various radiographic procedures. Offered in Summer.

ALHLT 2116 CLINICAL PRACTICE III

A clinical education sequence designed to bring advanced positioning and exposure theory, as well as pathology, to a cohesive entity with information previously applied. Students will continue to work in the radiology department in the hospital environment, under the supervision of registered technologists. Offered in Fall.

ALHLT 2121 RADIATION BIOLOGY

An introductory course designed to provide the student with the principles of cell radiation interaction. Radiation effects on cells and factors affecting cell response are presented, as well as acute and chronic effects of radiation exposure at varying levels. Offered in Spring.

ALHLT 2132 SPECIAL PROCEDURES AND MODALITIES

An introductory course to the advanced modalities associated with radiology (C.T., ultrasound, nuclear medicine, etc.) and to special radiographic procedures not previously addressed (angiography, etc.) to include the definition and performance of each type, the indications/contraindications, and pathology demonstrated. Offered in Spring.

**Allied Health
Sciences**

Allied Health Sciences

ALHLT 2142 FILM RECOGNITION AND CRITIQUE

A comprehensive course designed to provide the student with the knowledge and experience to evaluate radiographic examinations, to identify and recognize diagnostic quality. Includes application of knowledge and skills acquired from 1053 Radiographic Positioning I and 1082 Radiographic Exposure I concurrently. Offered in Spring.

ALHLT 2216 CLINICAL PRACTICE IV

A clinical education sequence designed to bring advanced positioning and exposure theory, as well as applications of pathology, to a cohesive entity with information previously applied. Students will continue to work in the hospital environment, under the supervision of registered technologists. Offered in Fall.

PHY 2223 INTRODUCTION TO RADIOLOGIC PHYSICS

This course will provide the student with a knowledge of basic physics. To include fundamentals of x-ray generating equipment, information on x-ray production, beam characteristics, and units of measurement. Offered in Spring.

ALHLT 2231 QUALITY ASSURANCE AND CONTROL

A comprehensive course designed to provide the student with an introduction to the evaluation of radiographic systems to assure consistency in the production of quality images. The components involved in the radiography system will be identified. Tests and procedures to evaluate these components will be examined. State and federal impacts will be described. Offered in Spring.

ALHLT 2221 REGISTRY PREPARATION I

A comprehensive, two-part review of program aspects designed to help prepare the graduating students for A.R.R.T. Registry Board Exams, to include review of previous classes, simulated board exams, and submission of exam applications. Offered in the Spring.

ALHLT 2242 REGISTRY PREPARATION II

Final course to assist students in preparation for their national certification examination. Course includes successful completion of a minimum amount of simulated registry exams, review of information, and test-taking tips. Course is in the final summer semester.

ALHLT 2315 CLINICAL PRACTICE V

A clinical education sequence designed to bring all didactic and laboratory knowledge, as well as previous clinical experience, to a cohesive entity. Students will continue to work in the radiology department in the hospital environment, under the direction of registered technologists. Clinical V is performed in the summer semester, second year.

ALHLT 2001-4 INDIVIDUAL STUDY IN ALLIED HEALTH (Topic)

Individual study on specified topic in Allied Health for undergraduate students. Credit: 1 to 4 semester hours.

ALHLT 2011-4 SEMINAR IN ALLIED HEALTH

Group study in specified topic in Allied Health for undergraduate students. Credit: 1 to 4 semester hours.

Allied Health Sciences

PHYSICAL THERAPY

PTA 1012 INTRODUCTION TO PHYSICAL THERAPY

This course will present the purpose, philosophy, and history of physical therapy and its relationship to other health care delivery systems. The student will be able to delineate the roles of physical therapy personnel, identify requirements for medical communication and documentation, and be made aware of the medical-legal aspects including professional ethics. Offered in Fall.

PTA 1023 BASIC HUMAN NEEDS

The student will be able to define "normal" in respect to vital signs, posture, range of motion and muscle function. He/she will be able to perform accurate testing of muscle strength and joint motion. The student will also be instructed in activities of daily living, proper body mechanics, and transfer techniques. Practical application of these techniques will be practiced in the laboratory. Offered in Fall.

PTA 1113 THREATS TO BASIC HUMAN NEEDS

The student will identify underlying circumstances and phases of disease and dysfunction, perform techniques to prevent secondary disabilities using special equipment as needed. Practical application of these techniques will be practiced in the laboratory. Offered in Spring.

Allied Health Sciences

PTA 1213 PAIN MANAGEMENT I

Students will be instructed in the various theories of pain, correctly positioning and draping patients for pain relief and for protection of modesty; heat/cold application, effectively administering massage and lymphapress intermittent pressure, relaxation and postural exercises; applying cervical and lumbar traction; paraffin, hydrotherapy; medical asepsis; and bandaging and dressing. Practical application of these techniques will be practiced in the laboratory. Offered in Fall.

PTA 1224 THERAPEUTIC EXERCISES I

Instruction will be given on rehabilitation techniques and neurophysiological approaches to treatment. Joint mobilization, range of motion, aquatics, amputees, prosthetics, and orthotics are introduced. Students will identify architectural barriers and make modifications to overcome the limitations they impose. Gait-training techniques with assistive devices will be performed. Practical application of these techniques will be practiced in the laboratory. Offered in Fall.

PTA 2013 PAIN MANAGEMENT II

Students will learn the principles and applications of various therapeutic modalities; electrotherapy, iontophoresis diathermy, biofeedback, laser, fluidotherapy, infrared, taping, ultrasound, and light therapy. Practical application of these techniques will be practiced in the laboratory. Offered in Spring.

PTA 2024 THERAPEUTIC EXERCISE II

Therapeutic exercises related to children are presented. Developmental sequences and primitive reflexes are introduced. Students will be instructed in cardiopulmonary treatments including cardiac rehabilitation and chest physical-therapy techniques. Practical application of these techniques will be practiced in the laboratory. Offered in Spring.

PTA 2032 CLINICAL PRACTICUM I

Clinical experience in local health care facilities to observe and practice PTA skills learned in class and lab sessions. Students will be under the supervision of a registered physical therapist and/or registered physical therapist assistant. Offered in Fall.

PTA 2112 PTA SYSTEMS/PROBLEMS

The student will assist the physical therapist in selected evaluation treatment and administrative activities, summarize the progression of comprehensive rehabilitation programs for major disabilities, describe and utilize selected administrative records and charge systems in physical therapy, discuss measures for quality assurance and cost containment, review proper ways to write a resume, and review for national board examinations. Offered in Spring.

PTA 2133 CLINICAL PRACTICUM II

Students are given opportunity to practice PTA skills which have been acquired throughout the PTA program. Students will be under the supervision of a registered physical therapist and/or registered physical therapist assistant. Offered in Spring.

OCCUPATIONAL THERAPY

OTA 1013 INTRODUCTION TO OCCUPATIONAL THERAPY

This course is designed to establish a knowledge base for the prospective OTA in that it emphasizes the human element of health care and the role the Occupational Therapy Assistant performs in providing this component. It focuses on the history and philosophy and gives an overview of assessment, evaluation and performance areas as well as the tools of practice. Theoretical frameworks and approaches and basic concepts of human development are also covered. **Prerequisites:** Acceptance into the Occupational Therapy Assistant program.

OTA 1023 KINESIOLOGY FOR OTA

This course builds on basic anatomic and physiologic concepts of human movement, emphasizing the kinesiological, anatomic and functional aspects of the skeletal musculature of the human body and their application to human motion. **Prerequisites:** Acceptance into the Occupational Therapy Assistant program.

OTA 1102 THERAPEUTIC MEDIA

The purpose of this course is to acquaint the student with basic craft techniques which may be utilized in a variety of treatment settings. Properties of crafts will be discussed and their application to different populations. **Prerequisites:** Acceptance into the Occupational Therapy Assistant program.

Allied Health Sciences

Allied Health Sciences

OTA 2002 HEALTH CARE SYSTEMS AND OCCUPATIONAL THERAPY MANAGEMENT

This course will teach the OTA student the trends of health care in the past, present, and future. It will also explore various occupational therapy management styles, techniques, and applications. Proper documentation, methods, and reasoning for quality assurance will be covered. This course will also deal with fiscal management of occupational therapy service, the marketing of occupational therapy staff, and the importance and variety of research in occupational therapy services. **Prerequisites: Acceptance into the Occupational Therapy Assistant program.**

OTA 2022 FIELDWORK I-A

This fieldwork experience will consist of exposure in various settings where occupational therapy services may be present. These experiences will allow the student to observe occupational therapy or other health related services. Students will do this to gain a better understanding of what OT is, where it may be found, and how it fits in with other related services. Students will also use this experience to develop professionalism, observation, and documentation skills. **Prerequisites: Acceptance into the Occupational Therapy Assistant program.**

OTA 2102 THERAPEUTIC ACTIVITIES

This course provides the student with experience conducting individual and group activities, promoting the idea of therapeutic use of self. This course will acquaint the student with life skills activities, games, and everyday coping skills. This course will emphasize adaptation techniques for a variety of life activities and their purpose in treatment, and will introduce a variety of additional therapeutic techniques and applications. **Prerequisites: Satisfactory completion of Semester I in Occupational Therapy Assistant specific course work.**

OTA 2113 PHYSICAL DYSFUNCTION AND TREATMENT TECHNIQUES

This course includes the study of occupational therapy principles, techniques of evaluation, and methods of treatment for individuals with problems in physical function. This course will present assessment and evaluation of occupational performance, therapeutic mechanism, and intervention strategies in treating individuals with neurological and orthopedic dysfunction as well as discharge planning and written documentation of client behavior and performance. **Prerequisites: Satisfactory completion of Semester I of Occupational Therapy Assistant specific course work.**

OTA 2122 FIELDWORK I-B

In this course students will be able to initiate and apply concepts and techniques learned during academic preparation for practical situations. Students will work with clinical instructors, patients/clients, and team members in a therapeutic milieu. Written documentation and actual treatment will be the focus. **Prerequisites:** Satisfactory completion of Semester I of Occupational Therapy Assistant specific course work.

OTA 2133 PEDIATRIC CARE IN OT

This course offers a comprehensive study in the approach of OT treatment in pediatrics. The course content will include normal development, diagnostic problems, frames of reference, documentation, and theory as it relates to pediatric intervention. It will also cover family/caregiver issues as related to pediatric OT and an introduction to pediatric evaluations, and basic concepts to human development. **Prerequisites:** Satisfactory completion of Semester I Occupational Therapy Assistant specific course work.

OTA 2143 ELDERCARE IN OCCUPATIONAL THERAPY

This course offers a wide variety of treatment programs, media and modalities useful in working with late-life adults. It includes a comprehensive review of the aging process, with all of its psychosocial and physical ramifications. It is also a study of concepts of aging and intervention techniques to be employed in different practice settings, and specific concerns of working with both the well elderly and those with dysfunction; individually or in groups. **Prerequisites:** Satisfactory completion of Semester I Occupational Therapy Assistant specific course work.

OTA 2153 PSYCHOSOCIAL DYSFUNCTION AND TREATMENT TECHNIQUES

This course includes the principles and techniques of evaluation and treatment for individuals who present emotional, cognitive, and psychosocial problems. Intervention strategies with selected individuals with psychosocial disturbances are covered. Emphasis is placed on oral and written documentation of client behavior and treatment techniques. **Prerequisites:** Satisfactory completion of Semester I in Occupational Therapy Assistant specific course work.

Allied Health Sciences

Allied Health Sciences

OTA 2206 FIELDWORK II-A

This fieldwork experience enables the student to apply knowledge and skills learned in the classroom to practical situations. Students will be assigned to various clinical settings. The students will collaborate with fieldwork educators, client/patients, and team members. They will practice using occupation to restore wellness in clinical settings. **Prerequisites: Satisfactory completion of Semester I and Semester 2 of Occupational Therapy Assistant specific course work.**

OTA 2212 DISEASE PATHOLOGY

This course is designed to help OTA students become familiar with the various mental and physical health problems commonly dealt with in Occupational Therapy practice. This course will introduce the etiology, prognosis, signs and symptoms of these health problems. **Prerequisites: Acceptance into the Occupational Therapy Assistant program.**

OTA 2216 FIELDWORK II-B

This fieldwork experience enables the student to apply knowledge and skills learned in the classroom to practical situations. Students will be assigned to various clinical settings. The students will collaborate with fieldwork educators, client/patients, and team members. They will practice using occupation to restore wellness in clinical settings. **Prerequisites: Satisfactory completion of Semester I and Semester 2 of Occupational Therapy Assistant specific course work.**

ELECTRONICS TECHNOLOGY

TECH 1013 ELECTRONIC DEVICES AND TEST INSTRUMENTS

Emphasis will center around circuit analysis, complex wave form analysis, and special attention will be given to application of using test instruments.

TECH 1323 DIGITAL ELECTRONICS

Numbering systems used in digital operations and logic devices are covered. Logic simplification and applications are applied in both theory and labs. Encoding, decoding, displays, flip-flops, counters, shift registers, arithmetic circuits, and memory circuits are included in the studies.

TECH 1813 BASIC ELECTRONICS 1

A basic course in electricity and electronics with emphasis on electrical units, direct current, OHM's law, Kirchoff's law, circuit solutions, network theorems, magnetism, alternative current, inductance and capacitance. Prerequisite: MATH 1513.

TECH 2026 TELECOMMUNICATIONS

This course will continue the studies of electronics as used in telecommunications. It will include origination and transmission of various signals, methodology, and industry standards for communications, The first section of the course will focus on fiber and the second section will involve telecommunication with standard and specialized means.

TECH 2113 SOLID STATE DEVICES

This course involves the study of solid state electronic devices in theory and applications. Students will construct semiconductor circuits, analyze circuits, and verify operation of circuits as applied to analog electronics.

TECH 2203 COMMUNICATION CIRCUITS

This course will continue the study of electronics as used in communications. It will cover various transmission and receiving of electronic signals.
Prerequisites: TECH 1813, TECH 2813, TECH 1323, TECH 2323, TECH 2113.

TECH 2205 CISCO I & II

The first of 4 semester courses, provides students classroom and lab experience in current/emerging networking technology enabling them to enter jobs or further education/training in computer networking field. Instruction includes safety, networking, network terminology/protocols, network standards, local-area networks, wide-area networks, Open System Interconnection, cabling, addressing, and network standards. Emphasis given to decision-making and problem-solving techniques in applying science, math, communication and social studies concepts. Instruction and training are provided in care, maintenance, and use of networking software, tools and equipment.

Technology

Technology

TECH 2223 ELECTRONIC CIRCUIT ANALYSIS

Numbering systems used in digital operations and logic devices are covered. Logic simplification and applications are applied in both theory and lab application. Encoding, decoding, displays, flip-flops, counters, shift registers, arithmetic circuits, and memory circuits are included in the studies.

TECH 2423 MICROPROCESSORS

This course includes the study of theory and applications of microprocessors. Students will learn theory and apply this knowledge in a combination of hands-on and software simulated labs. **Prerequisites:** TECH 1813, TECH 2813, TECH 1323, TECH 2323, TECH 2113, TECH 2203.

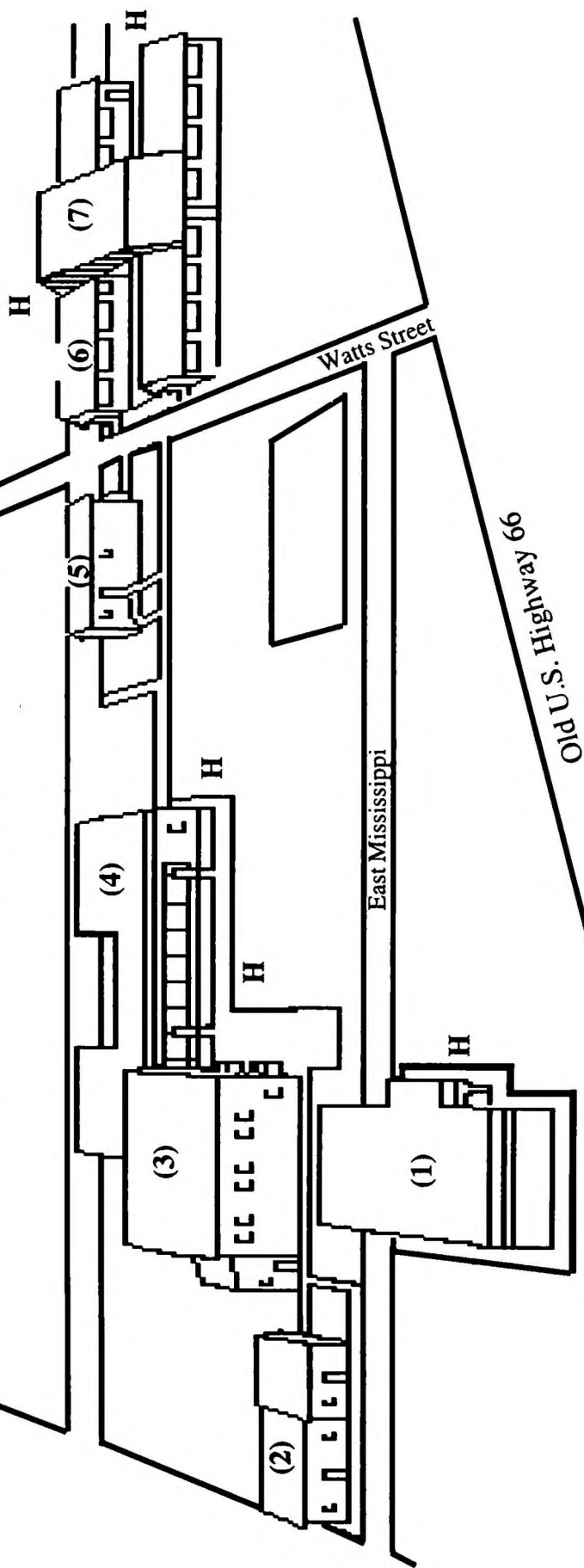
TECH 2425 CISCO III & IV

The Cisco Networking Academy Program consists of four semesters. The program is designed to teach students the skills they will need to design, build, and maintain small to medium sized networks. This provides them with the opportunity to enter the workforce and/or further their education and training in the computer networking field.

TECH 2813 BASIC ELECTRONICS II

A study of solid state electronics. Topics include: semiconductor diodes, power supplies, thyristors, and integrated circuits. A brief introduction to fiber optics will also be included. **Prerequisite:** TECH 1813.

SWOSU-Sayre Campus Map



1. Student Center

Student Union and Campus Bookstore

2. The Conner Building

Conference Center and Classrooms

3. Patterson Field House

Gymnasium and Fitness Center

4. The Alexander Building

Administration and Classrooms

5. The Capps Building

Computer Learning Center

6. McMahon Library

7. Mackey Hall

Computer Science Labs and Classrooms

H- Indicates Disabled Parking