

## COLLEGE OF ASSOCIATE AND APPLIED PROGRAMS

### FACULTY

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### PROGRAMS OF STUDY

**Majors:** A.S. Computer Science  
A.S. Criminal Justice  
A.S. General Business  
A.S. General Studies  
A.S. General Studies  
with emphasis on Pre-Nursing  
A.A.S. Medical Laboratory Technician  
A.A.S. Radiologic Technology (X-Ray)

### Administrative and Professional Staff

CATHY BAKER (2015) .....	Director of Counseling & Assessment B.A., M.Ed., L.P.C., Southwestern Oklahoma State University
TERRY BILLEY (1995) .....	Registrar A.S., Sayre Junior College B.S., Southwestern Oklahoma State University
ALYSSA BRANDON (2017).....	Administrative Assistant to the Dean A.S., Southwestern Oklahoma State University
MICHAEL BRINKLEY (2015).....	Information Technology Technician A.S., B.S., Southwestern Oklahoma State University
APRIL MILLER (2008) .....	Librarian B.A., Southwestern Oklahoma State University MLIS, University of Oklahoma
KERRY RHOADS (2016).....	Administrative Assistant to the Registrar A.S., Southwestern Oklahoma State University B.S., Oklahoma State University
NANCY SANDERS (2008) .....	Financial Aid Counselor
ALAN SHOCKEY (1992).....	Safety/Security/Maintenance C.L.E.E.T. Certified
LINDA WOODRUFF (1981).....	Business Officer A.S., Sayre Junior College B.S., Southwestern Oklahoma State University

### 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 3,500 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, 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, Black Kettle National Grassland Park, and Foss Reservoir State Park.

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.

### 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.

### CAMPUS DESCRIPTION

The Southwestern Oklahoma State University at Sayre campus is located in the northeast section of Sayre, Oklahoma. Campus facilities include:

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

**ADMINISTRATION:** Completed in 1994, and remodeled in 2014, the building is located south of Patterson Field House and houses the administrative offices of the Dean, Business Office, Counseling and Assessment, Financial Aid, and Registrar and Admissions.

**ALEXANDER:** This building was completed in 1956 and named after former president of Sayre Junior College, Arch Alexander. It contains the Information Technology office, classrooms, laboratory facilities for biological and physical sciences, faculty offices, and a student lounge.

**CONNER:** 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 Medical Technology lecture rooms, laboratory, faculty offices and a large seminar room.

**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 Conner and Alexander Building.

**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.

**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.

**PATTERSON FIELD HOUSE:** This building was completed in 1957 and was named for former Sayre Junior College President, Harry Patterson. The building houses the Security office, physical education facilities, a 350-seat gymnasium, and a fitness center.

## 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:

### Collegiate 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 foosball 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 opportunities 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.

### Computer Club

The Computer Science Club (CSC) 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. Elections are held each fall for the offices of President, Vice President and Secretary.

### 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. Offices are: President—Sophomore member, Vice President—Freshman member, Secretary—Sophomore member, Treasurer—Sophomore member, two Sophomore representatives, and two Freshman representatives. 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.

### 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.

### 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.

### 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. 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.

Fund raising events are held each year. Monies raised are used for community projects and to off-set costs of attending scientific seminars/conventions. Sophomore members are required to attend one state meeting. Each year a Medical Technology student 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.

#### **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.

#### **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.

### **ADMISSIONS**

ALL STUDENTS pursuing admission to Associate in Science and Associate in Applied 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.

#### **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.

## DEGREE PROGRAMS

### 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.**

### General Education Program

General Education at Southwestern Oklahoma State University emphasizes the learning of facts, values, understandings, skills, attitudes, and appreciations believed to be meaningful to all students because of their involvement as human beings and citizens preparing for the future. The General Education program incorporates the following outcomes:

- Proficiency in communication – these include skills and abilities to communicate effectively in writing and the ability to understand the ideas of others; to communicate one's ideas through writing, speech, and symbols; to demonstrate clear and cohesive thought formulated for a specific audience; to think logically, critically, and creatively; and to use computers and other information technologies for inquiry and complex problem solving.
- Competency in scientific and quantitative reasoning – this includes an understanding of basic laws and concepts of science to solve issues encountered by society; a knowledge of the basic methodologies and phenomena of natural science; ability to analyze scientific discoveries and the advancement of technology with respect to its impact on social change; and application of quantitative concepts, principles, and symbols that draw meaningful conclusions from mathematical or statistical analysis.
- Appreciation of the fine arts, history, and humanities – this includes the analysis and comparison of important historical movements in the arts and humanities; the ability to explain and evaluate conceptual differences of important landmark contributions and creative works; and the ability to analyze meanings associated with human culture and their significance in social development.
- Knowledge of social and cultural beings and their institutions – this includes studies of behavioral aspects of individuals and society and past and present world cultures;

a knowledge of current social issues and trends of international interaction and strategies to enhance global relationships; the ability to communicate social responsibility of issues and identify ethical perspectives that guide solutions; and analyze key historical events and their impact on social, cultural, and global change.

- Achievement of intellectual and professional aptitudes – this includes the construction of systematic investigation of content, theories, and practices that evaluate real life settings; development of authentic creative works related to studies of interest; the engagement of collaborative group activities that contribute information and resources to accomplish group goals; participation in community service activities and reflection on individual and collective solutions to community problems; and the communication of collective understanding of diverse views and the ability to integrate differing perspectives into a cohesive solution for real life circumstances.

### 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. At Southwestern Oklahoma State University, because of differing curriculum and/or accreditation requirements, some degree programs follow slightly different course sequences than the General Education requirements listed on this page. **The specific General Education requirements approved for each degree program are listed with the academic requirements.**
- Students entering Southwestern must meet General Education requirements listed in the current catalog for graduation. (For certification and license requirements, refer to specific programs.)
- Courses satisfying General Education course requirements cannot be used to satisfy requirements in the major, major/minor, and/or minor.
- Some General Education course requirements may be met via CLEP, AP, International Baccalaureate, and other advanced standing tests.
- A maximum of 10 credit hours of General Education credit may be substituted through alternative courses. Any substitution of alternative courses must address all General Education outcomes indicated for the General Education course for which the substitution is requested. All alternative courses must be approved by the appropriate academic departments for course content equivalency, the General Education Committee, and the Vice President for Student Affairs.
- 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 COMPUTER SCIENCE (60 Credit Hours Required)

Courses that are **required** are in bold type.

<b>Written Communication</b> .....	<b>6</b>
ENGL 1113 English Composition I	
ENGL 1213 English Composition II	
<b>Mathematics</b> .....	<b>3</b>
MATH 1513 College Algebra or a higher numbered math course	
<b>U. S. History</b> .....	<b>3</b>
<i>Select one course.</i>	
HIST 1043 U.S. History to 1877	
HIST 1053 U.S. History since 1877	
<b>American Government</b> .....	<b>3</b>
POLSC 1103 American Government & Politics	
<b>Science</b> .....	<b>7-8</b>
<i>Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.</i>	
<b>Life Science</b> .....	<b>3-4</b>
BIOL 1004 Biological Concepts w/Lab	
BIOL 1054 Principles of Biology I w/Lab	
BIOL 1013 Current Issues in Biology	
<b>Physical Science</b> .....	<b>3-4</b>
ASTRO 1904 Astronomy	
CHEM 1004 General Chemistry w/Lab	
GEOL 1934 Physical Geology w/Lab	
SCI 1513 Conc of Phy Science (may also take w/lab)	
SCI 1501 Concepts of Phy Science Lab	
PHY 1044 Basic Physics I	
PHY 1063 General Physics or a higher numbered chemistry or physics course	
<b>Humanities</b> .....	<b>6</b>
HUM 1103 Introduction to Humanities	
<b>OR</b>	
HIST 1033 World History	
<b>AND one of the following:</b>	
ART 1223 Art Survey	
COMM 1263 Introduction to Theatre	
LIT 2333 Introduction to Film	
LIT 2413 Introduction to Literature	
MUSIC 1013 Introduction to Music I	
MUSIC 1103 Music and Culture	
PHILO 1453 Introduction to Philosophy	
<b>Human, Cultural, &amp; Social Diversity</b> .....	<b>3-4</b>
COMM 1313 Introduction to Public Speaking	
<b>Computer Proficiency</b> .....	<b>0-3</b>
COMSC 1023 Computer & Info Access	
<b>GE electives (from at least two different categories)</b> .....	<b>to total 40</b>
TECH 1223 Technology and Society	

<b>Degree Program Core Courses</b> .....	<b>18</b>
COMSC 1033 Computer Science I	
COMSC 1053 Computer Science II	
COMSC 1433 Visual Basic Programming	
COMSC 2053 Java Programming	
COMSC 2063 Operating Environments	
COMSC 2153 Intro to Networking	
<b>Guided Elective (choose one)</b> .....	<b>3</b>
ACCTG 2213 Principals of Financial Accounting	
ACCTG 2313 Principles of Managerial Accounting	
COMSC 2213 Web Site Design	
COMSC 2813 Web Development	
ENTRP 2253 Business Communications	
ENTRP 2723 Computer Business Applications	
MATH 1613 College Trigonometry	
<b>TOTAL HOURS</b> .....	<b>61</b>

## ASSOCIATE IN SCIENCE DEGREE CRIMINAL JUSTICE (60 Credit Hours Required)

Courses that are **required** are in bold type.

**Written Communication**.....6

**ENGL 1113 English Composition I**  
**ENGL 1213 English Composition II**

**Mathematics**.....3

Select one course.

MATH 1143 Mathematical Concepts  
MATH 1153 Mathematical Applications  
MATH 1513 College Algebra  
*or a higher numbered math course*

**U. S. History**.....3

Select one course.

HIST 1043 U.S. History to 1877  
HIST 1053 U.S. History since 1877

**American Government**.....3

**POLSC 1103 American Government & Politics**

**Science**.....7-8

Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.

**Life Science**.....3-4

BIOL 1004 Biological Concepts w/Lab  
BIOL 1054 Principles of Biology I w/Lab  
BIOL 1013 Current Issues in Biology

**Physical Science**.....3-4

ASTRO 1904 Astronomy  
CHEM 1004 General Chemistry w/Lab  
GEOL 1934 Physical Geology w/Lab  
SCI 1513 Conc of Phy Science  
*(can be taken w/wo lab)*  
SCI 1501 Concepts of Phy Science Lab  
PHY 1044 Basic Physics I  
PHY 1063 General Physics  
*or a higher numbered chemistry or physics course*

**Humanities**.....6

HUM 1103 Introduction to Humanities

**OR**

HIST 1033 World History

**AND one of the following:**

ART 1223 Art Survey  
COMM 1263 Introduction to Theatre  
LIT 2333 Introduction to Film  
LIT 2413 Introduction to Literature  
MUSIC 1013 Introduction to Music I  
MUSIC 1103 Music and Culture  
PHILO 1453 Introduction to Philosophy

**Human, Cultural, & Social Diversity**.....3-4

Select one course.

ASL 2163 American Sign Language  
CATC 1204 Cheyenne Language I (or higher number)  
CATC 1254 Arapaho Language I (or higher number)  
COMM 1313 Introduction to Public Speaking  
ECONO 2263 Intro to Macroeconomics  
ECONO 2363 Intro to Microeconomics  
GEOG 1103 World Cultural Geography  
ITAL 1004 Elementary Italian I  
KINES 1133 Wellness Concepts & Exercise Appl  
LATIN 1054 Elementary Latin I (or higher number)  
PSYCH 1003 General Psychology  
**SOCIO 1003 Introduction to Sociology (required)**  
SPAN 1054 Elementary Spanish I (or higher number)  
TECH 1223 Technology and Society

**Computer Proficiency**.....0-3

Students must demonstrate computer proficiency (high school Computer Science course, SWOSU computer proficiency exam, or COMSC 1023 Computer & Info Access).

**GE electives (from at least two different categories)**.....to total 40

**Technical Occupational Specialty Courses**.....16-18

CRMJS 1113 Intro to Criminal Justice  
CRMJS 2503 Criminal Justice Administration  
KINES 1133 Wellness Concepts & Exercise Appl  
POLSC 2623 Criminal Law & Procedure  
POLSC 2803 Judicial Process  
PSYCH 2313 Developmental Psychology  
SOCIO 2103 Social Problems  
SPAN 1054 Elem Span I (required for Bachelor's degree)

**Electives**.....2-4

**TOTAL HOURS**.....60

## ASSOCIATE IN SCIENCE DEGREE GENERAL BUSINESS (60 Credit Hours Required)

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.

Courses that are **required** are in bold type.

<b>Written Communication</b> .....	<b>6</b>	
ENGL 1113		English Composition I
ENGL 1213		English Composition II
<b>Mathematics</b> .....	<b>3</b>	
MATH 1513		College Algebra or a higher numbered math course
<b>U. S. History</b> .....	<b>3</b>	
<i>Select one course.</i>		
HIST 1043		U.S. History to 1877
HIST 1053		U.S. History since 1877
<b>American Government</b> .....	<b>3</b>	
POLSC 1103		American Government & Politics
<b>Science</b> .....	<b>7-8</b>	
<i>Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.</i>		
<b>Life Science</b> .....	<b>3-4</b>	
BIOL 1004		Biological Concepts w/Lab
BIOL 1054		Principles of Biology I w/Lab
BIOL 1013		Current Issues in Biology
<b>Physical Science</b> .....	<b>3-4</b>	
ASTRO 1904		Astronomy
CHEM 1004		General Chemistry w/Lab
GEOL 1934		Physical Geology w/Lab
SCI 1513		Conc of Phy Science (may also take w/lab)
SCI 1501		Concepts of Phy Science Lab
PHY 1044		Basic Physics I
PHY 1063		General Physics or a higher numbered chemistry or physics course
<b>Humanities</b> .....	<b>6</b>	
HUM 1103		Introduction to Humanities
<b>OR</b>		
HIST 1033		World History
<b>AND one of the following:</b>		
ART 1223		Art Survey
COMM 1263		Introduction to Theatre
LIT 2333		Introduction to Film
LIT 2413		Introduction to Literature
MUSIC 1013		Introduction to Music I
MUSIC 1103		Music and Culture
PHILO 1453		Introduction to Philosophy
<b>Human, Cultural, &amp; Social Diversity</b> .....	<b>3-4</b>	
COMM 1313		Introduction to Public Speaking
<b>Computer Proficiency</b> .....	<b>0-3</b>	
Students must demonstrate computer proficiency (high school Computer Science course, SWOSU computer proficiency exam, or COMSC 1023 Computer & Info Access).		
<b>GE electives (from at least two different categories)</b> .....	<b>to total 40</b>	

<b>Business electives</b> .....			<b>21</b>
ACCTG 2213		Principles of Financial Accounting†	
ACCTG 2313		Principles of Managerial Accounting†	
COMSC 1033		Computer Science I	
COMSC 1053		Computer Science II	
COMSC 1433		Visual Basic Programming	
COMSC 2011		PC Software	
COMSC 2813		Web Development	
ECONO 2263		Intro to Macroeconomics† (required)	
ECONO 2363		Intro to Microeconomics† (required)	
ENTRP 1123		Intro to Business	
ENTRP 2253		Business Communications†	
ENTRP 2273		Business Math/Office Machines	
ENTRP 2723		Computer Business Applications†	
ENTRP 3123		Legal Environment of Business†	
MNGMT 3233		Management†	
MRKTG 3143		Marketing†	
† Courses which are required for the bachelor's degree in business on the main campus of SWOSU in Weatherford. 3000 & 4000 level courses are offered via interactive video from Weatherford.			
<b>TOTAL HOURS</b> .....			<b>61</b>



## ASSOCIATE IN SCIENCE DEGREE GENERAL STUDIES (60 Credit Hours Required)

**TOTAL GENERAL EDUCATION HOURS.....Min. 40**  
**REQUIRED CORE COURSES.....31-35**

**Written Communication.....6**

ENGL 1113 English Composition I  
ENGL 1213 English Composition II

**Mathematics .....3**

*Select one course.*

MATH 1143 Mathematical Concepts  
MATH 1153 Mathematical Applications  
MATH 1513 College Algebra  
*or a higher numbered math course*

**U. S. History .....3**

*Select one course.*

HIST 1043 U.S. History to 1877  
HIST 1053 U.S. History since 1877

**American Government .....3**

POLSC 1103 American Government & Politics

**Science ..... 7-8**

*Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.*

**Life Science ..... 3-4**

BIOL 1004 Biological Concepts w/Lab  
BIOL 1054 Principles of Biology I w/Lab  
BIOL 1013 Current Issues in Biology

**Physical Science ..... 3-4**

ASTRO 1904 Astronomy  
CHEM 1004 General Chemistry w/Lab  
GEOL 1934 Physical Geology w/Lab  
SCI 1513 Conc of Phy Science  
*(can be taken w/wo lab)*  
SCI 1501 Concepts of Phy Science Lab  
PHY 1044 Basic Physics I  
PHY 1063 General Physics  
*or a higher numbered chemistry or physics course*

**Humanities .....6**

HUM 1103 Introduction to Humanities

**OR**

HIST 1033 World History

**AND one of the following:**

ART 1223 Art Survey  
COMM 1263 Introduction to Theatre  
LIT 2333 Introduction to Film  
LIT 2413 Introduction to Literature  
MUSIC 1013 Introduction to Music I  
MUSIC 1103 Music and Culture  
PHILO 1453 Introduction to Philosophy

**Human, Cultural, & Social Diversity ..... 3-4**

*Select one course.*

ASL 2163 American Sign Language  
CATC 1204 Cheyenne Language I *(or higher number)*  
CATC 1254 Arapaho Language I *(or higher number)*  
COMM 1313 Introduction to Public Speaking  
ECONO 2263 Intro to Macroeconomics  
ECONO 2363 Intro to Microeconomics  
GEOG 1103 World Cultural Geography  
ITAL 1004 Elementary Italian I  
KINES 1133 Wellness Concepts & Exercise Appl  
LATIN 1054 Elementary Latin I *(or higher number)*  
PSYCH 1003 General Psychology  
SOCIO 1003 Introduction to Sociology  
SPAN 1054 Elementary Spanish I *(or higher number)*  
TECH 1223 Technology and Society

**Computer Proficiency.....0-3**

Students must demonstrate computer proficiency (high school Computer Science course, SWOSU computer proficiency exam, or COMSC 1023 Computer & Info Access).

Electives to reach 40 general education hours should be taken from at least two of the areas listed.

**TOTAL HOURS .....60**

**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.**

**ASSOCIATE IN SCIENCE DEGREE  
GENERAL STUDIES  
WITH EMPHASIS ON PRE-NURSING  
(60 Credit Hours Required)**

**Written Communication..... 6**

ENGL 1113 English Composition I  
ENGL 1213 English Composition II

**Mathematics ..... 3**

MATH 1143 Mathematical Concepts  
MATH 1153 Mathematical Applications  
MATH 1513 College Algebra  
*or a higher numbered math course*

**U. S. History..... 3**

*Select one course.*

HIST 1043 U.S. History to 1877  
HIST 1053 U.S. History since 1877

**American Government..... 3**

POLSC 1103 American Government & Politics

**Science..... 8**

*Select one course from Life Science and one course from Physical Science. One Science course must be a lab science.*

**Life Science..... 4**

BIOL 1004 Biological Concepts w/Lab

**Physical Science ..... 4**

CHEM 1004 General Chemistry w/Lab

**Humanities..... 6**

HUM 1103 Introduction to Humanities

**OR**

HIST 1033 World History

**AND one of the following:**

ART 1223 Art Survey

COMM 1263 Introduction to Theatre

LIT 2333 Introduction to Film

LIT 2413 Introduction to Literature

MUSIC 1013 Introduction to Music I

MUSIC 1103 Music and Culture

PHILO 1453 Introduction to Philosophy

**Human, Cultural, & Social Diversity..... 3**

PSYCH 1003 General Psychology

**Computer Proficiency ..... 0-3**

Students must demonstrate computer proficiency (high school Computer Science course, SWOSU computer proficiency exam, or COMSC 1023 Computer & Info Access).

**GE electives (from at least two different categories)..... to total 40**

**Pre-Professional Requirements..... 24**

ALHLT 2443 Medical Terminology  
ALHLT 2355 Microbiology  
BIOL 2104 Human Anatomy  
BIOL 2304 Human Physiology  
NURS 2212 Intro to Professional Nursing  
PSYCH 2433 Psychological Statistics  
**OR** ALHLT 3043 Health Statistics  
PSYCH 2313 Developmental Psychology  
**OR** a lifespan growth and development course

**TOTAL HOURS ..... 60**

**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.**

## ASSOCIATE IN APPLIED SCIENCE DEGREE MEDICAL LABORATORY TECHNICIAN (76 Credit Hours Required)

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 the program director or registrar. Upon satisfactory completion of the Medical Laboratory Technician (MLT) program, graduates will receive the Associate in Applied Science Degree and are eligible to sit for the American Medical Technologists' (AMT) MLT and/or the American Society for Clinical Pathology (ASCP) MLT certification exams. Students must complete the program with a minimum 2.0 GPA. This program is accredited by the Accrediting Bureau of Health Education Schools.

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

Courses that are **required** are in bold type.

<b>Written Communication</b> .....				<b>6</b>
	<b>ENGL 1113</b>	<b>English Composition I</b>		
	<b>ENGL 1213</b>	<b>English Composition II</b>		
<b>Mathematics</b> .....				<b>3</b>
	<b>MATH 1143</b>	<b>Math Concepts</b>		
	<b>OR</b>			
	<b>MATH 1513</b>	<b>College Algebra</b>		
<b>U. S. History</b> .....				<b>3</b>
	<i>Select one course.</i>			
	<b>HIST 1043</b>	<b>U.S. History to 1877</b>		
	<b>HIST 1053</b>	<b>U.S. History since 1877</b>		
<b>American Government</b> .....				<b>3</b>
	<b>POLSC 1103</b>	<b>American Government &amp; Politics</b>		
<b>Science</b> .....				<b>20</b>
	<b>Life Science</b> ..... <b>12</b>			
	<b>BIOL 1004</b>	<b>Biological Concepts w/Lab</b>		
	<b>BIOL 2205</b>	<b>Human Anatomy &amp; Physiology</b>		
	<b>BIOL 2503</b>	<b>Parasitology</b>		
	<b>Physical Science</b> .....			
	<b>CHEM 1004</b>	<b>General Chemistry w/Lab</b>		<b>8</b>
	<b>CHEM 2044</b>	<b>Clinical Chemistry</b>		
<b>Allied Health</b> .....				<b>41</b>
	<b>ALHLT 1034</b>	<b>Hematology I &amp; Phlebotomy</b>		
	<b>ALHLT 1044</b>	<b>Hematology II</b>		
	<b>ALHLT 1202</b>	<b>Urinalysis &amp; Body Fluids</b>		
	<b>ALHLT 1314</b>	<b>Lab Clinical I</b>		
	<b>ALHLT 2024</b>	<b>Lab Clinical II</b>		
	<b>ALHLT 2033</b>	<b>Blood Banking</b>		
	<b>ALHLT 2104</b>	<b>Lab Clinical III</b>		
	<b>ALHLT 2355</b>	<b>Microbiology</b>		
	<b>ALHLT 2404</b>	<b>Pathogenic Microbiology</b>		
	<b>ALHLT 2412</b>	<b>Immunology and Serology</b>		
	<b>ALHLT 2441</b>	<b>Registry Preparation I</b>		
	<b>ALHLT 2443</b>	<b>Medical Terminology</b>		
	<b>ALHLT 2541</b>	<b>Registry Preparation II</b>		
<b>TOTAL HOURS</b> .....				<b>76</b>

**NOTE: Only students who meet graduation requirements may sit for the national certification examination. Immunization against Hepatitis B is required before entrance into the MLT program.**

*(Although the job outlook in the medical laboratory profession continues to be strong and job placement help is available, graduation from the MLT program is not a guarantee of employment.)*

## ASSOCIATE IN APPLIED SCIENCE DEGREE RADIOLOGIC TECHNOLOGY (X-RAY) (82 Credit Hours Required)

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 Radiologic Technology webpage on the SWOSU@Sayre web site at <http://www.swosu.edu/sayre/index.aspx>. Information about program effectiveness is also available on the program webpage or at [www.jrcert.org](http://www.jrcert.org), the program's accrediting agency. 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 specific course sequencing. Successful completion of previous semester program specific courses is required for continued enrollment in the program. Students interested in the program should see a member of program faculty for proper enrollment.**

Courses that are **required** are in bold type.

<b>Written Communication</b> .....					<b>6</b>
	<b>ENGL</b>	<b>1113</b>	<b>English Composition I</b>		
	<b>ENGL</b>	<b>1213</b>	<b>English Composition II</b>		
<b>Mathematics</b> .....					<b>3</b>
<i>Select one course.</i>					
	MATH	1143	Mathematical Concepts		
	MATH	1143	Mathematical Applications		
	MATH	1513	College Algebra		
			or a higher numbered math course		
<b>U. S. History</b> .....					<b>3</b>
<i>Select one course.</i>					
	HIST	1043	U.S. History to 1877		
	HIST	1053	U.S. History since 1877		
<b>American Government</b> .....					<b>3</b>
	<b>POLSC</b>	<b>1103</b>	<b>American Government &amp; Politics</b>		
<b>Science</b> .....					<b>5</b>
<b>Life Science</b>					
	<b>BIOL</b>	<b>2205</b>	<b>Human Anatomy &amp; Physiology</b>		
<b>Allied Health</b> .....					<b>3</b>
	<b>ALHLT</b>	<b>2443</b>	<b>Medical Terminology</b>		
<b>Program Requirements</b> .....					<b>59</b>
	ALHLT	1021	Radiation Safety & Protection		
	ALHLT	1053	Radiographic Positioning I		
	ALHLT	1062	Intro to Radiologic Technology		
	ALHLT	1071	Patient Care		
	ALHLT	1082	Radiographic Exposure I		
	ALHLT	1116	Clinical Practice I		
	ALHLT	1126	Clinical Practice II		
	ALHLT	1131	Radiographic Exposure II		
	ALHLT	1142	Imaging and Processing		
	ALHLT	1151	Radiographic Positioning II		
	ALHLT	1162	Radiologic Pathology		
	ALHLT	2116	Clinical Practice III		
	ALHLT	2122	Radiation Biology		
	ALHLT	2132	Special Procedures and Modalities		
	ALHLT	2142	Image Recognition & Critique		
	ALHLT	2216	Clinical Practice IV		
	ALHLT	2221	Registry Preparation I		
	ALHLT	2223	Intro to Radiologic Physics		
	ALHLT	2231	Quality Assurance & Control		
	ALHLT	2242	Registry Preparation II		
	ALHLT	2315	Clinical Practice V		
	KINES	2212	First Aid		
<b>TOTAL HOURS</b> .....					<b>82</b>