

## COLLEGE OF ASSOCIATE AND APPLIED PROGRAMS

### FACULTY

Bill Swartwood, Dean  
Sayre Administration Building, Room 103  
Phone: (580) 928-5533 x2107  
E-mail: [bill.swartwood@swosu.edu](mailto:bill.swartwood@swosu.edu)  
<http://www.swosu.edu/sayre/index.aspx>

Ms. Renae Bagzis.....	SMH 103.....	<a href="mailto:renae.bagzis@swosu.edu">renae.bagzis@swosu.edu</a> .....	(580) 928-5533 x2150
Mr. Mike Baker.....	SCB 301.....	<a href="mailto:mike.baker@swosu.edu">mike.baker@swosu.edu</a> .....	(580) 928-5533 x2110
Mr. Landry Brewer.....	SAB 138.....	<a href="mailto:landry.brewer@swosu.edu">landry.brewer@swosu.edu</a> .....	(580) 928-5533 x2160
Ms. Roxann Clifton.....	SCB 315.....	<a href="mailto:roxann.clifton@swosu.edu">roxann.clifton@swosu.edu</a> .....	(580) 928-5533 x2113
Ms. Tommye Davis.....	SAB 139.....	<a href="mailto:tommye.davis@swosu.edu">tommye.davis@swosu.edu</a> .....	(580) 928-5533 x2102
Ms. Terry Ford.....	SMH 101.....	<a href="mailto:terry.ford@swosu.edu">terry.ford@swosu.edu</a> .....	(580) 928-5533 x2152
Mr. Jess Parker.....	SMH 134.....	<a href="mailto:jess.parker@swosu.edu">jess.parker@swosu.edu</a> .....	(580) 928-5533 x2158
Ms. Sheana Thompson.....	SMH 129.....	<a href="mailto:sheana.thompson@swosu.edu">sheana.thompson@swosu.edu</a> .....	(580) 928-5533 x2155
Ms. Kim Zachary.....	SMH 102.....	<a href="mailto:kim.zachary@swosu.edu">kim.zachary@swosu.edu</a> .....	(580) 928-5533 x2156

### 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

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

### 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.

### CAMPUS DESCRIPTION

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

**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:

### Baptist Collegiate Ministry

The Baptist Collegiate Ministry (BCM) is an interdenominational Christian fellowship sponsored by the state ministry of the General Baptist Convention. The BCM 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 BCM 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. BCM 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 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 (COMSA.AS) (Old Code S13)

### GENERAL EDUCATION (Min. 40 hours)

**Courses that are required.** *Courses that are recommended.*

#### Communication..... 9

- ENGL 1113 English Composition I**  
**ENGL 1213 English Composition II**  
**COMM 1313 Introduction to Public Speaking OR**  
**TECH 3143 Technical Presentations (if permitted by degree program)**

#### Quantitative Reasoning ..... 3

*Select one course.*

- MATH 1143 Mathematical Concepts**  
**MATH 1153 Mathematical Applications**  
**MATH 1193 Elementary Statistics**  
**MATH 1313 Functions and Modeling**  
**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 1013 Current Issues in Biology**  
**BIOL 1054 Principles of Biology I w/Lab**

#### Physical Science.....3-4

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

#### Humanities and Social Science .....12

*Select one course from each sub-category and one additional course from any subcategory below.*

#### Humanities ..... 3

- HUM 1103 Introduction to Humanities**  
**GEOG 1103 World Cultural Geography**  
**HIST 1033 World History**

#### Fine Arts ..... 3

- ART 1223 Art Survey**  
**COMM 1263 Introduction to Theatre**  
**LIT 2333 Introduction to Film**  
**LIT 2413 Introduction to Literature**  
**MUSIC 1123 History of Rock-n-Roll**  
**MUSIC 1013 Introduction to Music I**  
**MUSIC 1103 Music and Culture (Music majors only)**  
**PHILO 1453 Introduction to Philosophy**

#### Social and Human Sciences ..... 3

- ASL 2163 American Sign Language I**  
**ECONO 2263 Intro to Macroeconomics**  
**ECONO 2363 Intro to Microeconomics**  
**ENTRP 1123 Intro to Business**  
**FINAN 2113 Personal Financial Planning**  
**ITAL 1004 Elementary Italian I**  
**KINES 1133 Wellness Conc & Exercise Applications**  
**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 .....3 COMSC 1023 Computers and Info Access

#### Degree Program Core Courses ..... 18

- 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**

#### Guided Elective (choose one) .....3

- ACCTG 2213 Principles 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**

#### TOTAL HOURS ..... 61

## ASSOCIATE IN SCIENCE DEGREE CRIMINAL JUSTICE (CRIMJS.AS) (Old Code S12)

### GENERAL EDUCATION (Min. 40 hours)

**Courses that are required.** *Courses that are recommended.*

**Communication..... 9**

- ENGL 1113 English Composition I**
- ENGL 1213 English Composition II**
- COMM 1313 Introduction to Public Speaking OR**
- TECH 3143 Technical Presentations (if permitted by degree program)**

**Quantitative Reasoning..... 3**

*Select one course.*

- MATH 1143 Mathematical Concepts
- MATH 1153 Mathematical Applications
- MATH 1193 Elementary Statistics
- MATH 1313 Functions and Modeling
- 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 1013 Current Issues in Biology
- BIOL 1054 Principles of Biology I w/Lab

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

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

**Humanities and Social Science..... 12**

*Select one course from each sub-category and one additional course from any subcategory below.*

**Humanities..... 3**

- HUM 1103 Introduction to Humanities
- GEOG 1103 World Cultural Geography
- HIST 1033 World History

**Fine Arts..... 3**

- ART 1223 Art Survey
- COMM 1263 Introduction to Theatre
- LIT 2333 Introduction to Film
- LIT 2413 Introduction to Literature
- MUSIC 1123 History of Rock-n-Roll
- MUSIC 1013 Introduction to Music I
- MUSIC 1103 Music and Culture (Music majors only)
- PHILO 1453 Introduction to Philosophy

**Social and Human Sciences..... 3**

- ASL 2163 American Sign Language I
- ECONO 2263 Intro to Macroeconomics
- ECONO 2363 Intro to Microeconomics
- ENTRP 1123 Intro to Business
- FINAN 2113 Personal Financial Planning
- ITAL 1004 Elementary Italian I
- KINES 1133 Wellness Conc & Exercise Applications
- 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**

COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.

**GE Elective..... 0-3**

Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.

**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 (GNBUS.AS) (Old Code S60)

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.

<b>GENERAL EDUCATION (Min. 40 hours)</b>		
<b>Courses that are required. Courses that are recommended.</b>		
<b>Communication.....</b>		<b>9</b>
ENGL 1113 English Composition I		
ENGL 1213 English Composition II		
COMM 1313 Introduction to Public Speaking OR		
TECH 3143 Technical Presentations (if permitted by degree program)		
<b>Quantitative Reasoning.....</b>		<b>3</b>
<i>Select one course.</i>		
MATH 1143 Mathematical Concepts		
MATH 1153 Mathematical Applications		
MATH 1193 Elementary Statistics		
MATH 1313 Functions and Modeling		
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 1013 Current Issues in Biology		
BIOL 1054 Principles of Biology I w/Lab		
<b>Physical Science.....</b>		<b>3-4</b>
ASTRO 1904 Astronomy		
CHEM 1004 General Chemistry w/Lab		
GEOL 1934 Physical Geology w/Lab		
SCI 1501 Concepts of Physical Science Lab		
SCI 1513 Conc of Phy Science (can be taken w/wo lab)		
PHY 1044 Basic Physics I w/Lab		
PHY 1063 General Physics (or a higher numbered chemistry or physics course)		
<b>Humanities and Social Science.....</b>		<b>12</b>
<i>Select one course from each sub-category and one additional course from any subcategory below.</i>		
<b>Humanities.....</b>		<b>3</b>
HUM 1103 Introduction to Humanities		
GEOG 1103 World Cultural Geography		
HIST 1033 World History		
<b>Fine Arts.....</b>		<b>3</b>
ART 1223 Art Survey		
COMM 1263 Introduction to Theatre		
LIT 2333 Introduction to Film		
LIT 2413 Introduction to Literature		
MUSIC 1123 History of Rock-n-Roll		
MUSIC 1013 Introduction to Music I		
MUSIC 1103 Music and Culture (Music majors only)		
PHILO 1453 Introduction to Philosophy		
<b>Social and Human Sciences.....</b>		<b>3</b>
ASL 2163 American Sign Language I		
ECONO 2263 Intro to Macroeconomics		
ECONO 2363 Intro to Microeconomics		
ENTRP 1123 Intro to Business		
FINAN 2113 Personal Financial Planning		
ITAL 1004 Elementary Italian I		
KINES 1133 Wellness Conc & Exercise Applications		
LATIN 1054 Elementary Latin I (or higher number)		
<b>PSYCH 1003 General Psychology</b>		
SOCIO 1003 Introduction to Sociology		
SPAN 1054 Elementary Spanish I (or higher number)		
TECH 1223 Technology and Society		
<b>Computer Proficiency.....</b>		<b>3</b>
COMSC 1023 Computers and Info Access		
<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 (GENST.AS) (Old Code W10 and S10)

### GENERAL EDUCATION (Min. 40 hours)

**Courses that are required.** *Courses that are recommended.*

**Communication..... 9**

ENGL	1113	English Composition I
ENGL	1213	English Composition II
COMM	1313	Introduction to Public Speaking OR
TECH	3143	Technical Presentations (if permitted by degree program)

**Quantitative Reasoning..... 3**

*Select one course.*

MATH	1143	Mathematical Concepts
MATH	1153	Mathematical Applications
MATH	1193	Elementary Statistics
MATH	1313	Functions and Modeling
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	1013	Current Issues in Biology
BIOL	1054	Principles of Biology I w/Lab

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

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

**Humanities and Social Science..... 12**

*Select one course from each sub-category and one additional course from any subcategory below.*

**Humanities..... 3**

HUM	1103	Introduction to Humanities
GEOG	1103	World Cultural Geography
HIST	1033	World History

**Fine Arts..... 3**

ART	1223	Art Survey
COMM	1263	Introduction to Theatre
LIT	2333	Introduction to Film
LIT	2413	Introduction to Literature
MUSIC	1123	History of Rock-n-Roll
MUSIC	1013	Introduction to Music I
MUSIC	1103	Music and Culture (Music majors only)
PHILO	1453	Introduction to Philosophy

**Social and Human Sciences..... 3**

ASL	2163	American Sign Language I
ECONO	2263	Intro to Macroeconomics
ECONO	2363	Intro to Microeconomics
ENTRP	1123	Intro to Business
FINAN	2113	Personal Financial Planning
ITAL	1004	Elementary Italian I
KINES	1133	Wellness Conc & Exercise Applications
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**

COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.

**GE Elective..... 0-3**

Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.

**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 (NURSAP.AS) (Old Code S15)

<b>GENERAL EDUCATION (Min. 40 hours)</b>		
<b>Courses that are required.</b> <i>Courses that are recommended.</i>		
<b>Communication.....</b>		<b>9</b>
ENGL 1113	English Composition I	
ENGL 1213	English Composition II	
COMM 1313	Introduction to Public Speaking OR	
TECH 3143	Technical Presentations (if permitted by degree program)	
<b>Quantitative Reasoning.....</b>		<b>3</b>
<i>Select one course from the three that are bolded.</i>		
<b>MATH 1143</b>	<b>Mathematical Concepts</b>	
<b>MATH 1153</b>	<b>Mathematical Applications</b>	
MATH 1193	Elementary Statistics	
MATH 1313	Functions and Modeling	
<b>MATH 1513</b>	<b>College Algebra</b>	
	<i>or a higher numbered math course</i>	
<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>
<b>BIOL 1004</b>	<b>Biological Concepts w/Lab</b>	
BIOL 1013	Current Issues in Biology	
BIOL 1054	Principles of Biology I w/Lab	
<b>Physical Science.....</b>		<b>3-4</b>
ASTRO 1904	Astronomy	
<b>CHEM 1004</b>	<b>General Chemistry w/Lab</b>	
GEOL 1934	Physical Geology w/Lab	
SCI 1501	Concepts of Physical Science Lab	
SCI 1513	Conc of Phy Science (can be taken w/wo lab)	
PHY 1044	Basic Physics I w/Lab	
PHY 1063	General Physics (or a higher numbered chemistry or physics course)	
<b>Humanities and Social Science.....</b>		<b>12</b>
<i>Select one course from each sub-category and one additional course from any subcategory below.</i>		
<b>Humanities.....</b>		<b>3</b>
HUM 1103	Introduction to Humanities	
GEOG 1103	World Cultural Geography	
HIST 1033	World History	
<b>Fine Arts.....</b>		<b>3</b>
ART 1223	Art Survey	
COMM 1263	Introduction to Theatre	
LIT 2333	Introduction to Film	
LIT 2413	Introduction to Literature	
MUSIC 1123	History of Rock-n-Roll	
MUSIC 1013	Introduction to Music I	
MUSIC 1103	Music and Culture (Music majors only)	
PHILO 1453	Introduction to Philosophy	
<b>Social and Human Sciences.....</b>		<b>3</b>
ASL 2163	American Sign Language I	
ECONO 2263	Intro to Macroeconomics	
ECONO 2363	Intro to Microeconomics	
ENTRP 1123	Intro to Business	
FINAN 2113	Personal Financial Planning	
ITAL 1004	Elementary Italian I	
KINES 1133	Wellness Conc & Exercise Applications	
LATIN 1054	Elementary Latin I (or higher number)	
<b>PSYCH 1003</b>	<b>General Psychology</b>	
SOCIO 1003	Introduction to Sociology	
SPAN 1054	Elementary Spanish I (or higher number)	
TECH 1223	Technology and Society	
<b>Computer Proficiency.....</b>		<b>0-3</b>
COMSC 1023 Computers and Info Access, or a department-assigned course which satisfies the Computer Proficiency in the major, or the SWOSU Proficiency Exam, or HS course clearly defined to meet our goals.		
<b>GE Elective.....</b>		<b>0-3</b>
Students who meet the computer proficiency by exam or HS course must choose an additional GE course from any category.		
<b>Pre-Professional Requirements.....</b>		<b>24</b>
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	
<b>TOTAL HOURS.....</b>		<b>64</b>
<b>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.</b>		

## ASSOCIATE IN APPLIED SCIENCE DEGREE MEDICAL LABORATORY TECHNICIAN (MEDLBTECH.AAS) (Old Code S30)

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>Communication</b> .....	<b>6</b>
<b>ENGL 1113</b> <b>English Composition I</b>	
<b>ENGL 1213</b> <b>English Composition II</b>	
<b>Quantitative Reasoning</b> .....	<b>3</b>
MATH 1143     Math Concepts	
<b>OR</b>	
MATH 1513     College Algebra	
<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 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>8</b>
<b>CHEM 1004</b> <b>General Chemistry w/Lab</b>	
<b>CHEM 2044</b> <b>Clinical Chemistry</b>	
<b>Allied Health</b> .....	<b>41</b>
ALHLT 1034     Hematology I & Phlebotomy	
ALHLT 1044     Hematology II	
ALHLT 1202     Urinalysis & Body Fluids	
ALHLT 1314     Lab Clinical I	
ALHLT 2024     Lab Clinical II	
ALHLT 2033     Blood Banking	
ALHLT 2104     Lab Clinical III	
ALHLT 2355     Microbiology	
ALHLT 2404     Pathogenic Microbiology	
ALHLT 2412     Immunology and Serology	
ALHLT 2441     Registry Preparation I	
ALHLT 2443     Medical Terminology	
ALHLT 2541     Registry Preparation II	
<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 (RADTC.AAS) (Old Code S19)

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>Communication</b> .....	<b>6</b>
ENGL 1113 English Composition I	
ENGL 1213 English Composition II	
<b>Quantitative Reasoning</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>
POLSC 1103 American Government & Politics	
<b>Science</b> .....	<b>5</b>
<b>Life Science</b>	
BIOL 2205 Human Anatomy & Physiology	
<b>Allied Health</b> .....	<b>3</b>
ALHLT 2443 Medical Terminology	
<b>Program Requirements</b> .....	<b>60</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 1163 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>83</b>