

SCHOOL OF NURSING AND ALLIED HEALTH SCIENCES ALLIED HEALTH SCIENCES (Overview)

FACULTY

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<https://bulldog.swosu.edu/academics/allied-health/index.php>

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SCHOOL GOALS

The primary goals of the School of Nursing and Allied Health Sciences at Southwestern Oklahoma State University are to:

1. Provide college-based curriculum integrated with hands-on experience at health care institutions.
2. Provide students with the necessary knowledge to function at an acceptable level in a health care service organization.
3. Provide programs that develop entry level competencies as prescribed by national accrediting agencies.
4. Prepare students to pass professional licensure and certification exams.
5. Provide pre-professional students guidance and counseling for selected professional programs.

PROGRAMS OF STUDY

Majors: A.S. in Health Science (HLSCI.AS)
Nyla Watson - Advisor

A.A.S. Medical Laboratory Technician
(MEDLBTECH.AAS)
Dr. Michael Baker - Advisor

A.A.S. Occupational Therapy Assistant (OTA.AAS)
Brandy Chase - Advisor

A.A.S. Physical Therapist Assistant (PTA.AAS)
Brandy Chase - Advisor

A.A.S. Radiologic Technology (RADTC.AAS)
Sheana Thompson - Advisor

B.A.S. in Health Science (HLSCI.BAS)
Dr. Sharon Lawrence - Advisor

B.S. Health Sciences (HLSCI.BS)

Professional Programs (Consult advisor in one of the following areas concerning requirements and application information.)

Pre-Chiropractic	Pre-Optometry
Pre-Dentistry	Pre-Osteopathic Med
Pre-Medicine	Pre-Physical Therapy
Pre-Occupational Therapy	Pre-Physician Assistant
Dr. Anne Pate - Advisor	

Pre-Communication Sciences
Pre-Dental Hygiene
Pre-Radiation Sciences
Pre-Nutritional Sciences
Nyla Watson - Advisor

Pre-Radiography
Sheana Thompson - Advisor

B.S. Health Care Administration (HCADM.BS)
Teri Stubbs – Advisor

B.S. Health Information Management (HIM.BS)
Dana Lloyd – Director/Advisor
Amy Maynard – BSHIM Coordinator/Advisor

B.S. Public Health (PBHLT.BS)
Dr. Anne Pate - Advisor

Minors: Health Care Administration Minor (HCA)
Health Data Analytics Minor (HDATA)
Health Sciences Minor for Sports Med (SRTSM)
Health Sciences Minor (HSCI)
Emergency Medical Services Minor (EMSRV)

Masters: M.S. Healthcare Information Management
(HIIM.MS)
Dana Lloyd, Director/Advisor
Teri Stubbs, MSHIM Coordinator/Advisor

**MASTER OF SCIENCE
HEALTHCARE INFORMATION
MANAGEMENT (HIIM.MS)**

Dana Lloyd – Program Director/Advisor
Teri Stubbs – Coordinator/Advisor

Program goals and objectives are: prepare students to develop the skills needed by practicing professionals in the Health Information Management field and provide assurance that graduates of the program demonstrate the master-level competencies published by CAHIIM. Assessment measures are: Curriculum-embedded assessment; maintain a minimum GPA of 3.0; Completion of thesis or Professional Project; Department alumni and student satisfaction surveys. Any students with an undergraduate degree may choose this Master's degree option.

HEALTH CARE ADMINISTRATION (HCADM.BS)

Teri Stubbs - Advisor

Health Care Administration students are trained to function as managers or administrators in health care facilities, rehabilitation clinics, group practice facilities, welfare agencies, and health departments, as well as educational and research programs. The major involves a combination of basic life sciences, healthcare operations, and business management. Students should have good interpersonal relation skills, interest in management and business, and a desire to work with health professionals in the health care system. Due to similar requirements for the health information management and business administration-management degrees, it is possible for the health care administration student to obtain a double major with the addition of 6-12 courses. **NOTE:** This does not constitute a double degree. Students who desire a double degree would need an additional minor.

HEALTH INFORMATION MANAGEMENT (HIM.BS)

Dana Lloyd – Program Director/Advisor
Amy Maynard – Coordinator/Advisor

The Health Information Management program is an online integrated 2 + 2 program involving two years of pre-professional curriculum and two years of professional courses. All professional program courses as well as courses for the required minor in Health Care Administration are online. Many pre-professional and GE courses are also available in an online format. Students are trained in the practice of acquiring, analyzing, and protecting digital and traditional medical information vital to providing quality patient care. Students are trained in health information science, data analytics, management, medical science, computerization applications and systems design, as well as specific procedures such as medical coding. HIM professionals are highly trained in the latest information management technology applications and understand the workflow in any healthcare provider organization from large hospital systems to the private physician practice. The goal of this program is to provide a quality program in HIM supported by a comprehensive curriculum based on continuous assessment, modification and reanalysis. The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

HEALTH SCIENCES MAJOR (HLSCI.BS)

Dr. Anne Pate – Advisor
Dr. Sharon Lawrence - Advisor

The Health Science major is a baccalaureate degree option for individuals needing pre-professional hours or a pre-professional degree to further their education in a professional health program at a comprehensive university, medical school or another campus such as:

Audiology
Chiropractor
College of Dentistry
Dental Hygiene
Medical School
Nutritional Sciences

Occupational Therapy
Optometry
Physical Therapy
Physician Associate
Radiation Sciences

Students who are interested in pre-professional programs in healthcare are not limited to the aforementioned areas, but can include any area in healthcare. Individuals who decide not to further their education at the graduate level will find the Bachelor of Science in Health Science degree applicable for seeking entry-level employment in a wide variety of health care settings.

**BACHELOR OF APPLIED SCIENCE
IN HEALTH SCIENCE (HLSCI.BAS)**

Dr. Sharon Lawrence - Advisor

The Bachelor of Applied Science in Health Science is offered as a completion program that allows students with an Associate of Applied Science in a healthcare field to complete a degree related to their healthcare goals. Transfer credit can be given for general education courses and up to 30 hours of professional courses taken in the chosen AAS curriculum from an accredited school. Southwestern Oklahoma State University is currently offering the first degree of this kind in Oklahoma. Students will be able to complete the majority of required health science coursework online in order to encourage degree completion while serving as a member of the healthcare workforce.

PUBLIC HEALTH (PBHLT.BS)

Dr. Anne Pate – Program Director/Advisor

The Public Health major is a 4-year baccalaureate degree option for individuals who are seeking to pursue further education in a clinical or public health degree. It also offers the option for individuals to seek a career in public health upon graduation. The goals of this program are threefold: to develop alumni who will have the knowledge and skills to benefit, promote, and protect the health of their communities; to offer an academic program that will provide students the opportunity to graduate with the knowledge and skills which would allow them to enter the workforce upon graduation as a public health professional; and to offer an academic program that students may use as a pre-professional track to pursue further graduate education in the public health or healthcare field.

ASSOCIATE DEGREES IN APPLIED SCIENCE

SWOSU offers the following Associate Degrees in Applied Science. All technical level training for these programs requires admission to the program based on the student's application and performance evaluation.

Occupational Therapy Assistant (OTA)

Brandy Chase – OTA/PTA Program Coordinator/Advisor
Malissia Guthrie – Program Director/Advisor

Prerequisite courses are taken at the SWOSU Weatherford and/or Sayre campus. A grade of "C" or better must be attained in all prerequisite coursework in order to be eligible to apply. Course transfer from other educational institutions will be considered upon program application. Specialty courses are taken at CKTC. The program is accredited by the American Occupational Therapy Association.

Physical Therapist Assistant (PTA)

Brandy Chase – OTA/PTA Program Coordinator/Advisor

Jy Bass – Program Director/Advisor

Prerequisite courses are taken at the SWOSU Weatherford and/or Sayre campus. A grade of “C” or better must be attained in all prerequisite coursework in order to be eligible to apply. Course transfer from other educational institutions will be considered upon program application. Specialty courses are taken at CKTC or the SWOSU Weatherford campus. The program is accredited by the Commission on Accreditation in Physical Therapy Education.

Medical Laboratory Technician (MLT)

Michael Baker, Program Director/Advisor

Following completion of the MLT program, the student is eligible to sit for the American Medical Technologists’ (AMT) MLT and/or the American Society for Clinical Pathology (ASCP) MLT certification exams. The clinical laboratory science training

program is accredited by the Accrediting Bureau of Health Education Schools. The degree plan is listed in the College of Associate and Applied Programs section.

Radiologic Technology (X-ray)

Sheana Thompson, Program Director/Advisor

TBA – Advisor

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. Students must complete the course of study with a 2.0 GPA. The radiologic technology program at Southwestern Oklahoma State University at Sayre is accredited by the national accrediting agency, the Joint Review Committee on Education in Radiologic Technology (JRCERT). The degree plan is listed in the College of Associate and Applied Programs section.

ASSOCIATE IN APPLIED SCIENCE DEGREE MEDICAL LABORATORY TECHNICIAN (MEDLBTECH.AAS)

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 all program admission requirements. Applications to the program are due every year by April. Application packets are available from the program director. 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 has made application with the National Accrediting Agency for Clinical Laboratory Sciences.

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.

Communication	6
ENGL 1113 English Composition I	
ENGL 1213 English Composition II	
Quantitative Reasoning	3
<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
U. S. History	3
<i>Select one course.</i>	
HIST 1043 U.S. History to 1877	
HIST 1053 U.S. History since 1877	
American Government	3
POLSC 1103 American Government & Politics	
Life Science	14
BIOL 1004 Biological Concepts w/Lab	
BIOL 2205 Human Anatomy & Physiology	
BIOL 2355 Intro to Microbiology	
Physical Science	4
CHEM 1004 General Chemistry w/Lab	
Allied Health	35
ALHLT 1034 Hematology/Hemostasis	
ALHLT 1103 Introduction to Medical Laboratory	
ALHLT 1202 Urinalysis and Body Fluids	
ALHLT 1513 Lab Clinical I	
ALHLT 1613 Lab Clinical II	
ALHLT 2203 Lab Clinical III	
ALHLT 2303 Lab Clinical IV	
ALHLT 2404 Clinical Microbiology	
ALHLT 2412 Immunology and Serology	
ALHLT 2434 Immunohematology	
ALHLT 2504 Clinical Chemistry	
TOTAL HOURS	68

NOTE: Admission to SWOSU does not guarantee admission to the Medical Laboratory Technician Program.

ASSOCIATE IN APPLIED SCIENCE DEGREE OCCUPATIONAL THERAPY ASSISTANT (OTA.AAS)

The OTA program is offered through contractual arrangement between SWOSU and Caddo-Kiowa Technology Center (CKTC), Ft. Cobb, Oklahoma. SWOSU provides oversight of all faculty, curriculum, instruction, student services, and financial aid services. All students officially enroll through and are charged tuition and fees, awarded state and federal financial aid, and awarded degrees by SWOSU. The prerequisite general education and technical occupational support courses must be completed prior to admission with a grade of "C" or better. Skill and technical training for the OTA program is provided on behalf of SWOSU by CKTC. Admission to the OTA program is competitive and requires completion of the application packet prior to established deadlines. The application packet may be obtained on either the SWOSU or the CKTC websites and must be returned to the Allied Health Sciences office at SWOSU-Weatherford. Admission to the OTA program will be based on admission to SWOSU, university GPA, references, personal interview, and other evidence of potential success in the field of Occupational Therapy. Goals of this program: (1) to prepare students to function as OTA's through academically preparing them to be successful on the National Board Exam; (2) to shape a receptive educational environment, in both academic and clinical settings, which integrates classroom knowledge and skill acquisition. The OTA program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). 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.

Technical Occupational Related Courses	6
OTA 2203 Fieldwork IIA	
OTA 2213 Fieldwork IIB	
TOTAL HOURS	72

Admission to SWOSU does not guarantee admission to the Occupational Therapy Assistant Program.

Communication 6

- ENGL 1113 English Composition I
- ENGL 1213 English Composition II

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

Social & Human Sciences 3

- PSYCH 1003 General Psychology

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 12

- BIOL 1004 Biological Concepts
- BIOL 2104 Human Anatomy
- BIOL 2304 Human Physiology

Technical Occupational Support Courses 6

- PSYCH 2313 Developmental Psychology
- ALHLT 2443 Medical Terminology

Technical Occupational Specialty Courses 30

- OTA 1013 Introduction to Occupational Therapy
- OTA 1023 Kinesiology for OTA
- OTA 1102 Therapeutic Media
- OTA 2002 Health Care & Occup. Therapy Mgmt
- OTA 2022 Fieldwork IA
- OTA 2102 Therapeutic Activities
- OTA 2113 Phys Dysfunction/Treatment Techniques
- OTA 2122 Fieldwork IB
- OTA 2133 Pediatric Care in Occupational Therapy
- OTA 2143 Elder Care in Occupational Therapy
- OTA 2153 Psychosocial Dysf/Treatment Techniques
- OTA 2212 Disease Pathology

ASSOCIATE IN APPLIED SCIENCE DEGREE PHYSICAL THERAPIST ASSISTANT (PTA.AAS)

The PTA program is offered through contractual arrangement between SWOSU and Caddo Kiowa Technology Center (CKTC), Ft. Cobb, Oklahoma. SWOSU provides oversight of all faculty, curriculum, instruction, student services, and financial aid services. All students officially enroll through and are charged tuition and fees, awarded state and federal financial aid, and awarded degrees by SWOSU. The prerequisite general education courses and technical occupational support courses must be completed prior to admission with a grade of "C" or better. Skill and technical training for the PTA program is provided on behalf of SWOSU by CKTC on either the Weatherford or CKTC extension campus. Admission to the PTA program is competitive and requires completion of the application packet prior to established deadlines. The application packet may be obtained on either the SWOSU or the CKTC websites and must be returned to the Allied Health Sciences office at SWOSU-Weatherford. Admission to the PTA program will be based on admission to SWOSU, university or college grade point averages, references, observations, and personal interviews of the top applicants. Goals of this program: (1) to prepare students to function as PTA's through academically preparing them to be successful on the National Board Exam; (2) to shape a receptive educational environment, in both academic and clinical settings, which integrates classroom knowledge and skill acquisition. The PTA program is accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE). After completing the PTA program, graduates will be eligible to take the PTA National Licensure Exam. After successful completion of this exam, the PTA graduate may apply for state licensure through the State Board of Medical Licensure and Supervision.

Communication	6
ENGL 1113 English Composition I	
ENGL 1213 English Composition II	
Quantitative Reasoning	3
<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	
Social & Human Sciences	3

PSYCH 1003 General Psychology		
Science		12
BIOL 1004 Biological Concepts w/lab		
BIOL 2104 Human Anatomy		
BIOL 2304 Human Physiology		
U. S. History		3
<i>Select one course.</i>		
HIST 1043 U.S. History to 1877		
HIST 1053 U.S. History since 1877		
American Government		3
POLSC 1103 American Government & Politics		
Technical Occupational Support Courses		7
KINES 2212 First Aid & CPR		
ALHLT 2443 Medical Terminology		
XXXX XXX2 Two Hour Elective course*		
Technical Occupational Specialty Courses		29
PTA 1012 Introduction to Physical Therapy		
PTA 1023 Basic Human Needs		
PTA 1113 Threats to Basic Human Needs		
PTA 1213 Pain Management I		
PTA 1224 Therapeutic Exercise I		
PTA 2013 Pain Management II		
PTA 2024 Therapeutic Exercise II		
PTA 2032 Practicum I		
PTA 2112 PTA Systems/Problems		
PTA 2133 Practicum II		
TOTAL HOURS		66

Admission to SWOSU does not guarantee admission to the Physical Therapist Assistant Program.

***See program coordinator or director for appropriate guided electives.**

ASSOCIATE IN APPLIED SCIENCE DEGREE RADIOLOGIC TECHNOLOGY (RADTC.AAS)

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. Information about program effectiveness is also available on the program webpage or at www.jrcert.org, the program's accrediting agency. 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.

Communication			6
	ENGL 1113	English Composition I	
	ENGL 1213	English Composition II	
Quantitative Reasoning			3
<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	
U. S. History			3
<i>Select one course.</i>			
	HIST 1043	U.S. History to 1877	
	HIST 1053	U.S. History since 1877	
American Government			3
	POLSC 1103	American Government & Politics	
Life Science			5
	BIOL 2205	Human Anatomy & Physiology	
Allied Health Sciences			63
	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	
	ALHLT 2453	Medical Terminology	
	KINES 2212	First Aid	
TOTAL HOURS			83