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

FACULTY
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Marcy Pye ............................................. SCI 202 C .............. marcy.pye@swosu.edu ................................................................... (580) 774-7103

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: B.S. Health Sciences (Code 553)
Professional Programs (Consult advisor in one of the following areas concerning requirements and application information.)

Pre-Chiropractic Pre-Dentistry
Pre-Medicine Pre-Optometry
Pre-Osteopathic Medicine Pre-Physician Assistant
Dr. Anne Pate - Advisor

Pre-Occupational Therapist Assistant
Pre-Physical Therapy Assistant
Dr. Sharon Lawrence - PTA & OTA Program Coordinator, Advisor

Pre-Communication Sciences
Pre-Dental Hygiene
Pre-Nuclear Medicine
Pre-Nutritional Sciences
Pre-Radiation Therapy
Pre-Radiography
Pre-Sonography
Jessica Young - Advisor
Shirley Venable - Advisor

B.S. Health Care Administration (Code 550)
Marcy Pye - Advisor
Dana Lloyd - Assistant Advisor

B.S. Health Information Management (Code 551)
Dana Lloyd - Director, Advisor
Marcy Pye - Assistant Director

Minors:
Health Care Administration Minor (Code 550)
Health Data Analytics Minor (Code 551)
Health Sciences Minor for Sports Med (Code 552)
Health Sciences Minor (Code 553)
Emergency Medicine Services Minor (Code 554)

Masters:
M.S. Healthcare Informatics & Information Management (Code 848)
Dana Lloyd, Advisor

Master of Science
Healthcare Informatics & Information Management (Code 848)
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
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
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**
The Health Science major is a 4 year 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
- Comm. Sci. & Disorders
- Dental Hygiene
- Medical School
- Nutritional Sciences
- Occupational Therapy
- Optometry
- Physical Therapy
- Physician Associate
- Radiologic Technology

Students who are interested in pre-professional programs in healthcare are not limited to the aforementioned areas, but can include any area in healthcare. A goal of this degree is to provide student’s a bachelor’s degree track while completing pre-requisites and applying for technical programs at both the Associate Degree level (such as the Physical Therapist Assistant, Occupational Therapy Assistant, Radiological Technician, and Medical Laboratory Technician) and at the Undergraduate level. Individuals who decide not to further their education at the Master’s or Doctorate level will find the Bachelor of Science in Health Sciences a valuable degree for seeking employment in a wide variety of health care settings.

**ASSOCIATE DEGREES IN APPLIED SCIENCE**
SWOSU Weatherford and SWOSU Sayre offer 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.

**SWOSU – WEATHERFORD**
The following programs are available through a contractual agreement between SWOSU Weatherford and the Caddo-Kiowa Technology Center in Fort Cobb.

**Occupational Therapy Assistant (OTA)**
Prerequisite courses are taken at the SWOSU Weatherford and/or Sayre campus. Course transfer from other educational institutions will be considered upon program application. Specialty courses are taken at the technology center. The program is accredited by the American Occupational Therapy Association, Inc.

**Physical Therapist Assistant (PTA)**
Prerequisite courses are taken at the SWOSU Weatherford and/or Sayre campus. Course transfer from other educational institutions will be considered upon program application. Specialty courses are taken at the technology center. The program is accredited by the Commission on Accreditation in Physical Therapy Education.

**SWOSU – SAYRE**
**Medical Laboratory Technician (MLT)** is a clinical laboratory science training program accredited by the Accrediting Bureau of Health Education Schools.

**Radiologic Technology (X-ray)** is a radiology training program accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).
Associate in Applied Science Degree  
Occupational Therapy Assistant (Code W96)

The prerequisite general education and technical occupational support courses must be completed prior to admission. The Caddo-Kiowa Technology Center (CKTC), Ft. Cobb, Oklahoma conducts the occupational specialty courses. Admission to the OTA “specialty” program at CKTC is competitive and requires completion of the application packet prior to established deadlines. The application packet is obtained from the CKTC website and returned to the Allied Health Sciences office at SWOSU-Weatherford. Admission to the OTA “specialty” program will be based on university GPA, references, personal interviews and other evidence of potential success in the field of O.T. Candidates selected for the PTA program must complete all admission requirements to Southwestern Oklahoma State University prior to initiating the program. 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.

Written Communication

ENGL 1113 English Composition I
ENGL 1213 English Composition II

Mathematics

Select one course.
MATH 1143 Mathematical Concepts
MATH 1153 Mathematical Applications
MATH 1513 College Algebra
or a higher numbered math course

Human, Cultural, & Social Diversity

PSYCH 1003 General Psychology

U. S. History

Select one course.
HIST 1043 U.S. History to 1877
HIST 1053 U.S. History since 1877

American Government

POLSC 1103 American Government & Politics

Science

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

Technical Occupational Support Courses

PSYCH 2313 Developmental Psychology
ALHLT 2443 Medical Terminology

Technical Occupational Specialty Courses

OTA 1013 Introduction to Occupational Therapy
OTA 1023 Kinesiology for OTA
OTA 1102 Therapeutic Media
OTA 2002 Health Care & Occupational Therapy Mgmt
OTA 2022 Fieldwork IA
OTA 2102 Therapeutic Activities
OTA 2113 Physical 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

Technical Occupational Related Courses

OTA 2203 Fieldwork IIA
OTA 2213 Fieldwork IIB

TOTAL HOURS

6

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

*See program director regarding course substitution.
Associate in Applied Science Degree
Physical Therapist Assistant (Code W95)
This degree is awarded through Southwestern Oklahoma State University (SWOSU). The prerequisite general education courses must be completed prior to admission. The general education and technical occupational “support” courses may be taken at SWOSU Sayre and/or Weatherford. The technical occupational “specialty” courses will be conducted by the Caddo-Kiowa Technology Center (CKTC), Fort Cobb, OK. Admission to the PTA “specialty” course program at the CKTC is competitive and requires completion of the application packet prior to established deadlines. The application packet is obtained from the CKTC website and returned to the Allied Health Sciences office at SWOSU-Weatherford. Admission to the PTA “specialty” program will be based on university or college grade point averages, references, observations, and personal interviews of the top applicants. Candidates selected for the PTA program must complete all admission requirements to Southwestern Oklahoma State University prior to initiating the program. 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.

### Written Communication

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<tr>
<th>Course</th>
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<th>Credits</th>
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<tr>
<td>ENGL 1113</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>ENGL 1213</td>
<td>English Composition II</td>
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### Mathematics

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<tbody>
<tr>
<td>MATH 1143</td>
<td>Mathematical Concepts</td>
<td>3</td>
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<tr>
<td>MATH 1153</td>
<td>Mathematical Applications</td>
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<td>MATH 1513</td>
<td>College Algebra</td>
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### Human, Cultural, & Social Diversity

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<tr>
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<tbody>
<tr>
<td>PSYCH 1003</td>
<td>General Psychology</td>
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### Natural Sciences

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<tbody>
<tr>
<td>BIOL 1004</td>
<td>Biological Concepts w/lab</td>
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<tr>
<td>BIOL 2104</td>
<td>Human Anatomy</td>
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<tr>
<td>BIOL 2304</td>
<td>Human Physiology</td>
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### U. S. History

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<tr>
<td>HIST 1043</td>
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<tr>
<td>HIST 1053</td>
<td>U.S. History since 1877</td>
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### American Government

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<tr>
<td>POLSC 1103</td>
<td>American Government &amp; Politics</td>
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### Technical Occupational Support Courses

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<th>Course</th>
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<tbody>
<tr>
<td>KINES 2212</td>
<td>First Aid &amp; CPR</td>
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<tr>
<td>ALHLT 2443</td>
<td>Medical Terminology</td>
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<td>Two Hours Elective courses**</td>
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### Technical Occupational Specialty Courses

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<tbody>
<tr>
<td>PTA 1012</td>
<td>Introduction to Physical Therapy</td>
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<tr>
<td>PTA 1023</td>
<td>Basic Human Needs</td>
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<td>PTA 1113</td>
<td>Threats to Basic Human Needs</td>
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<td>PTA 1213</td>
<td>Pain Management I</td>
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<tr>
<td>PTA 1224</td>
<td>Therapeutic Exercise I</td>
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<tr>
<td>PTA 2013</td>
<td>Pain Management II</td>
<td>2</td>
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<tr>
<td>PTA 2024</td>
<td>Therapeutic Exercise II</td>
<td>2</td>
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<tr>
<td>PTA 2032</td>
<td>Practicum I</td>
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<td>PTA 2112</td>
<td>PTA Systems/Problems</td>
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<tr>
<td>PTA 2133</td>
<td>Practicum II</td>
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TOTAL HOURS: 66

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

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

*See program director regarding course substitution

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