

WEBER STATE UNIVERSITY SCHOOL OF RADIOLOGIC SCIENCES

Associates of Applied Science (AAS Degree) Radiography – Arizona Cohort

SCHOOL OF RADIOLOGIC SCIENCES
Dr. EZEKIEL R. DUMKE COLLEGE OF HEALTH PROFESSIONS
WEBER STATE UNIVERSITY
OGDEN, UTAH 84408-3925

Department Chair.....Dr. Tanya Nolan, Ed.D.
Educational Director.....Kim Parkinson, DHS
Faculty..... Victor Shane Clampitt, MSRS
Faculty..... Robert Ferguson, MSRS

The Weber State School of Radiologic Sciences Radiography Program – Arizona Cohort allows students to complete their Associate of Applied Science (AAS) degree. The program will consist of 5 semesters starting in the Fall semester of each year. The semesters will incorporate both clinical and didactic training. Upon completion, the student will be eligible to take the national certification examination given by the American Registry of Radiologic Technologists (ARRT) as a radiologic technologist and be prepared to work as a radiologic technologist or radiographer.

In order to complete the AAS degree, general education requirements must be met. If you do not already have an Associate’s degree prior to starting the program, you will need to complete these courses (or the equivalent) before applying to the RT program. This is a requirement that must be fulfilled to complete the degree requirements and prior to sitting for the national certification examination. The required general education courses are:

Prerequisite Courses Must Be Completed **BEFORE** Applying:

- ZOOL 2320 - Human Anatomy
- ZOOL 2420 - Human Physiology
- OR
- HTHS 1110 - Integrated Human Anatomy and Physiology I
- HTHS 1111 - Integrated Human Anatomy and Physiology II

Please Note: Non-WSU Classes MUST Be Equivalent. Go to weber.edu/transfer for more info.

General Education Requirements

Although not required to apply, you will need to complete these before the AAS Radiography Program starts in the fall.

- English 1010
- English 2010
- Communication 1020 OR 2110
- Math 1030 (or higher)
- Psychology 1010

- Any remaining General Education requirements

For questions about General Education requirements, please contact the [Health Professions Advising](#) office at healthprofessions@weber.edu or 801-626-6136.

Classes will be provided via face-to-face lectures and supplemental Zooms lectures posted to Canvas course. Students will be responsible for completing required coursework and examinations. Students are required to attend designated class sessions for each semester.

It is the responsibility of the student to arrange a clinical site for clinical education (24 hours per week). It is required that a rotation to a hospital is available in order to meet requirements for OR, Fluoro, and trauma. Upon approval from the site, students must provide the contact information to Weber State in order to set up affiliation agreements between Weber State University and the clinical site. The affiliation agreement must be established prior to beginning clinical education.

An application to the program can be accessed on our website: <https://www.weber.edu/RadSci/Arizona.html> Upon acceptance into the program, you will be required to submit documentation required by the clinical site, the university, and associated coursework. Please contact Kim Parkinson (kimparkinson@weber.edu) with additional questions regarding the program.

PROGRAM DESCRIPTION–AAS Radiography-AZ Cohort

FALL SEMESTER

RADT 1022- Introduction to Radiologic Technology (2 credits)

RADT 1303- Principles of Radiographic Exposure I (3)

RADT 1502- Radiographic Anatomy & Positioning I (2)

RADT 1601- Clinical Simulation (1)

RADT 2042- Community Based Patient Care I (2)

RADT 2861- Clinical Education (3)

Total Semester Hours: 13

SPRING SEMESTER

RADT 1512- Radiographic Anatomy & Positioning II (2)

RADT 1621- Clinical Simulation II (1)

RADT 2043- Specialty Based Patient Care I (2)

RADT 2862- Clinical Education (3)

RADT 2866- Final Competency Evaluation (2)

Total Semester Hours: 10

SUMMER SEMESTER

RADT 1522- Radiographic Anatomy & Positioning III (2 credits)

RADT 1641- Clinical Simulation III (1)

RADT 2403- Principles of Radiographic Exposure II (3)

RADT 2863 -Clinical Education (3)

RADT 3003- Psycho-Social Medicine (3)

RADT 3043- Medical Ethics and Law (3)

Total Semester Hours: 15

FALL SEMESTER

RADT 1532- Radiographic Anatomy & Positioning IV (2)

RADT 1661- Clinical Simulation IV (1)

RADT 2272- Basic Sectional Anatomy (2)

RADT 2864 -Clinical Education (3)

RADT 3403- Radiobiology and Health Physics (3)

RADT 3463- Computerized Imaging (3)

Total Semester Hours: 14

SPRING SEMESTER

RADT 1542- Radiographic Anatomy & Positioning V (2)

RADT 1681- Clinical Simulation V (1)

RADT 2865- Clinical Education (2)

RADT 2913- Comprehensive Review (2)

RADT 3443- Quality Assurance in Radiology (3)

Total Semester Hours: 10

COURSE DESCRIPTIONS – AAS Radiography - AZ Cohort

RADT 1022 INTRODUCTION TO RADIOLOGIC TECHNOLOGY

Program Orientation, elementary radiation protection, and basic procedures.

2 Credit Hours

RADT 1303 PRINCIPLES OF RADIOGRAPHIC EXPOSURE I

Theory of x-ray production; imaging production, and radiographic equipment.

3 Credit Hours

RADT 1502 RADIOGRAPHIC ANATOMY AND POSITIONING

Terminology, pathology, and radiographic positioning.

2 Credit Hours

RADT 1512 RADIOGRAPHIC ANATOMY AND POSITIONING II

Continuation of RADT 1502. Prerequisite: RADT 1502

2 Credit Hours

RADT 1522 RADIOGRAPHIC ANATOMY AND POSITIONING III

Terminology, pathology, and radiographic positioning.
Continuation of RADT 1502. Prerequisite: RADT 1502

2 Credit Hours

RADT 1532 RADIOGRAPHIC ANATOMY AND POSITIONING IV

Continuation of RADT 1522.

2 Credit Hours

RADT 1542 RADIOGRAPHIC ANATOMY AND POSITIONING V

Continuation of RADT 1532.

2 Credit Hours

RADT 1601 CLINICAL SIMULATION

Patient positioning and review of radiographic quality.

1 Credit Hour

RADT 1621 CLINICAL SIMULATION

Continuation of RADT 1601. Prerequisite: RADT 1601

1 Credit Hour

RADT 1641 CLINICAL SIMULATION

Patient positioning and review of radiographic quality.
Continuation of RADT 1621.

1 Credit Hour

RADT 1661 CLINICAL SIMULATION

Patient positioning and review of radiographic quality.
Continuation of RADT 1641.

1 Credit Hour

RADT 1681 CLINICAL SIMULATION

Patient positioning and review of radiographic quality.
Continuation of RADT 1661.

1 Credit Hour

RADT 2042 COMMUNITY BASED PATIENT CARE I

Patient care and management in radiology.

2 Credit Hours

RADT 2043 SPECIALTY BASED PATIENT CARE I

Patient care and management in radiology.

2 Credit Hours

RADT 2272 BASIC SECTIONAL ANATOMY

The anatomical appearance of each organ system and common pathology on sectional medical images.

2 Credit Hours

RADT 2403 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II

Radiographic imaging, instrumentation, image production and factors affecting radiologic quality.

2 Credit Hours

RADT 2861 CLINICAL EDUCATION

Experience gained in a healthcare facility.

3 Credit Hours

Prerequisite: Clinical site approval and affiliation agreement completed.

RADT 2862 CLINICAL EDUCATION

Continuation of RADT 2861

3 Credit Hours

RADT 2863 CLINICAL EDUCATION

Experience gained in a healthcare facility.

Prerequisite: Clinical site approval, affiliation agreement completed, and Castlebranch completed.

3 Credit Hours

RADT 2864 CLINICAL EDUCATION

Continuation of RADT 2863

3 Credit Hours

RADT 2865 CLINICAL EDUCATION

Continuation of RADT 2865

2 Credit Hours

RADT 2866 FINAL COMPETENCY EVALUATION

Demonstration of competency performing procedures required by the certification agency.

2 Credit Hours

RADT 2913 COMPREHENSIVE REVIEW

Review of didactic and clinical applications.

2 Credit hours

RADT 2992 SEMINAR

Patient case studies and critical care situations.

1 Credit hour

RADT 3003 PSYCHO-SOCIAL MEDICINE

Designed to prepare students to better understand their patient and the patient's family through comparison of diverse populations based on their value systems, cultural and ethnic influences, communication styles, socio-economic influences, health risks and life stages. Study of factors that influence the interrelationships with patients and professional peers. Understanding multicultural diversity assists the student with providing better patient care.

3 Credit Hours

RADT 3043 MEDICAL ETHICS AND LAW

3 Credit Hours

Medical ethics and law and case studies in medical imaging and radiation therapy.

RADT 3403 RADIOBIOLOGY AND HEALTH PHYSICS

3 Credit Hours

Effects of ionizing radiation on the human body, patient and personnel protection, exposure monitoring health physics and oncology.

RADT 3443 QUALITY ASSURANCE IN RADIOLOGY

3 Credit Hours

Development of a quality assurance program and manual to meet accreditation requirements.

RADT 3463 COMPUTERIZED IMAGING

3 Credit Hours

Digital radiography, image acquisition, image processing, and digital image management.