

**WEBER STATE UNIVERSITY SCHOOL OF RADIOLOGIC SCIENCES**

**ARRT ADVANCED STANDING – Arizona Cohort**

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

Department Chair.....Robert Walker, PhD

Faculty.....Taylor Ward, MSRS

The Weber State School of Radiologic Sciences ARRT Advanced Standing Program – Arizona Cohort allows limited practical technologists in radiology (PTR) to complete their Associate of Applied Science (AAS) degree. The program will consist of 3 semesters starting in the Summer 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 ARRT Advanced Standing program, you will need to complete these courses (or the equivalent) by the end of the program. This is a requirement that must be fulfilled prior to sitting for the national certification examination. The required general education courses are:

- English 2010
- Communication 1020 or 2110
- Math 1010 (or higher)
- Psychology 1010
- General Education Physical or Life Science Course

Classes will be provided via Lecture capture, and clinical visits to the Phoenix area from Weber State Faculty will occur 1-2 times per semester. 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). For the ARRT Advanced Standing program, 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 obtained from Cathy Wells ([cathywells@weber.edu](mailto:cathywells@weber.edu) or 801-626-6329). Upon acceptance into the program, you will be required to submit documentation of your PTR license and associated coursework. Please contact Taylor Ward ([taylorward2@weber.edu](mailto:taylorward2@weber.edu)) with additional questions regarding the program.

# **PROGRAM DESCRIPTION–ARRT ADVANCED STANDING-AZ**

## **SUMMER SEMESTER**

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

**RADT 1641- Laboratory Experience (1)**

**RADT 2403- Principles of Radiographic Exposure II (2)**

**RADT 2863 -Clinical Education (3)**

**RADT 3003- Psycho-Social Medicine (3)**

**RADT 3043- Medical Ethics and Law (3)**

**Total Semester Hours: 14**

## **FALL SEMESTER**

**RADT 1532- Radiographic Anatomy & Positioning IV (3)**

**RADT 1661- Laboratory Experience (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: 15**

## **SPRING SEMESTER**

**RADT 2865- Clinical Education (2)**

**RADT 2866- Final Competency Evaluation (2)**

**RADT 2913- Comprehensive Review (2)**

**RADT 3443- Quality Assurance in Radiology (3)**

**Total Semester Hours: 9**

## **COURSE DESCRIPTIONS– ARRT ADVANCED STANDING - AZ**

**RADT 1522 RADIOGRAPHIC ANATOMY AND POSITIONING III 2 Credit Hours**

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

**RADT 1532 RADIOGRAPHIC ANATOMY AND POSITIONING IV 3 Credit Hours**

Continuation of RADT 1522.

**RADT1641 LABORATORY EXPERIENCE 1 Credit Hour**

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

**RADT1661 LABORATORY EXPERIENCE 1 Credit Hour**

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

**RADT 2272 BASIC SECTIONAL ANATOMY 2 Credit Hours**

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

**RADT 2403 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II 2 Credit Hours**

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

**RADT 2863 CLINICAL EDUCATION 3 Credit Hours**

Experience gained in a healthcare facility.  
Prerequisite: Clinical site approval, affiliation agreement completed, and Castlebranch completed.

**RADT 2864 CLINICAL EDUCATION 3 Credit Hours**

Continuation of RADT 2863

**RADT 2865 CLINICAL EDUCATION 2 Credit Hours**

Continuation of RADT 2865

**RADT 2866 FINAL COMPETENCY EVALUATION 2 Credit Hours**

Demonstration of competency performing procedures required by the certification agency.

**RADT 2913 COMPREHENSIVE REVIEW 2 Credit hours**

Review of didactic and clinical applications.

**RADT 3003 PSYCHO-SOCIAL MEDICINE 3 Credit Hours**

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.

**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.