

RADIOLOGIC TECHNOLOGY, ASSOCIATE IN SCIENCE DEGREE

Banner Code: 1_AS_RADT

Control Number: 04008

Financial Aid Eligible

The Radiologic Technologist captures images of human anatomy utilizing digital, x-ray film, or video for diagnostic use by a radiologist or other medical specialist. Graduates of the program are eligible for examination by the American Registry of Radiologist Technologists. Successful applicants have the right to use the title "Registered Radiologic Technologist" (RT)(R)(ARRT). In order to practice in California, the R.T. must also apply for licensure by the Department of Health Services in Sacramento. Completion of the Associate in Science degree a program qualifies the student for eligibility for the state C.R.T. Examination. A bachelor degree program has been articulated with CSU Northridge. The Orange Coast College Radiologic Technology program is accredited by:

The Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive, Suite 900
Chicago, IL 60606-2901
Tel: (312) 704-5300
Fax: (312) 704-5304

And approved by the California Department of Public Health and is affiliated with numerous hospitals in Orange County. Classrooms are well equipped and include on-campus energized x-ray laboratories.

Program application process is accomplished by taking program prerequisite, Allied Health A010. This short-term course is mandatory for all prospective program applicants. The Radiologic Technology program starts only in the fall semester of every school year.

The Radiologic Technology program is a full-time (two years including one summer session and two intersessions) program. Successful program completion requires the following:

1. completion of all required radiologic technology courses as outlined in catalog,
2. completion of approximately 1850 clinical hours, and
3. completion of all requirements for an Associate in Science degree as required by Orange Coast College.

These specific program completion requirements must be satisfied within the two-year time frame of the Radiologic Technology program. Eligibility for the post program state and registry examinations is dependent upon meeting these requirements.

This program requires the student to participate in clinical experience concurrent with classroom courses. Clinical responsibilities will be arranged by the Radiologic Technology faculty and will include evening and/or weekend assignments. The student receives no salary for this clinical experience but will receive course credit toward program completion. Clinical sites will be within a 30 mile radius of the school and transportation is the responsibility of the student and may include parking fees.

Radiologic Technology is a rapidly expanding allied health profession. Employment possibilities include hospitals, imaging centers, industry, and sales.

Program Admission

1. Allied Health A010 course - application and orientation.
2. The student must complete the general education requirements for an Associate in Science Degree requirements and the program prerequisites prior to acceptance to the program.

Program Outcomes

1. Graduate students who are clinically competent and ready to begin a successful career in the Radiologic Sciences.
2. Students will be able to demonstrate professional and ethical behaviors.
3. Students will exhibit the communication skills necessary to effectively perform the duties of a Radiographer in a variety of health care environments.
4. Students will demonstrate independent critical thinking skills to solve clinical practice related problems to optimize diagnostic outcomes.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/associate-degree/>) and General Education (<https://catalog.cccd.edu/orange-coast/general-education-patterns/>).

Program Prerequisites

Course	Title	Units
ALH A010	Health Occupations	0.5
ALH A111	Medical Terminology	3
BIOL A221	Anatomy-Physiology ¹	4
RADT A100	Radiologic Physics	2
OCC AS General Education ¹		15

Total Units **24.5**

Course	Title	Units
<i>Required Courses</i>		
ALH A115	Patient Care	2
RADT A165	Beginning Radiologic Practice	1.5
RADT A170	Radiographic Positioning and Critique	3
RADT A171	Clinical Lab 1	2
RADT A180	Radiographic Imaging	3
RADT A105	Radiation and Imaging Safety	1
RADT A172	Clinical Lab 2	2
RADT A175	Radiographic Positioning and Critique 2	3
RADT A176	Clinical Lab 3	7
RADT A185	Radiographic Pathology	2
RADT A195	Fluoroscopy	1
RADT A177	Clinical Lab 4	4.5
RADT A265	Principles of Digital Imaging and Computer Applications	2
RADT A270	Radiographic Positioning and Critique 3	2.5
RADT A271	Clinical Lab 5	7
RADT A276	Clinical Lab 6	1.5
RADT A216	Advanced Radiologic Patient Care	2

Course	Title	Units
RADT A277	Clinical Lab 7	7
RADT A285	ARRT Board Preparation	1
RADT A290	Applied Physics & Quality Control	1
RADT A275	Radiographic Positioning and Critique 4	2
Total Major Units		58
Requirement		Units
Program Major Units		58
AS General Education Option 1, 2, or 3		Varies
Total Minimum Degree Units		82.5

¹ BIOL A221 can double count for OCC AS Area B.

Radiologic Technology Suggested Electives:

ALH A120 Human Diseases
PHIL A120 Ethics

Program Sequence

These sequences at Orange Coast College are general course curriculum maps for students to finish all major and general education requirements for two-year completion of degrees, and/or fulfillment of transfer requirements. The course sequence may include course prerequisites and other placement requirements. **Students are advised to meet with an Orange Coast College Counselor to review course selections and sequences to ensure that completion of this program will meet a student's transfer and career goals.**

For terms less than 15 units, students should meet with a counselor to reconfigure their sequence to maintain financial aid eligibility with a full-time course load.

Course	Title	Units
Year 1		
Semester 1		
OCC AS GE AREA A1- CHOOSE ONE		3
ALH A010	Health Occupations	0.5
BIOL A221	Anatomy-Physiology	4
OCC AS GE AREA C1- CHOOSE ONE		3
OCC AS GE AREA D- CHOOSE ONE		3
Units		13.5
Semester 2		
ALH A111	Medical Terminology	3
RADT A100	Radiologic Physics	2
OCC AS GE AREA C2- CHOOSE ONE		3
OCC AS GE AREA A2- CHOOSE ONE ¹		3-4
Select one of the following or satisfy Math competency (completion of High School Algebra 2 with a "C" or better): (hours: 3-4) ²		0-4
MATH A030 or MATH A045	Intermediate Algebra or Combined Elementary and Intermediate Algebra	
Units		11-16

Course	Title	Units
Year 2		
Semester 1		
ALH A115	Patient Care ³	2
RADT A105	Radiation and Imaging Safety	1
RADT A165	Beginning Radiologic Practice	1.5
RADT A170	Radiographic Positioning and Critique	3
RADT A171	Clinical Lab 1	2
RADT A180	Radiographic Imaging	3
Units		12.5
Semester 2		
RADT A172	Clinical Lab 2	2
RADT A195	Fluoroscopy	1
RADT A175	Radiographic Positioning and Critique 2	3
RADT A176	Clinical Lab 3	7
RADT A185	Radiographic Pathology	2
Units		15
Summer		
RADT A177	Clinical Lab 4	4.5
Units		4.5
Year 3		
Semester 1		
RADT A265	Principles of Digital Imaging and Computer Applications	2
RADT A270	Radiographic Positioning and Critique 3	2.5
RADT A271	Clinical Lab 5	7
Units		11.5
Semester 2		
RADT A276	Clinical Lab 6	1.5
RADT A216	Advanced Radiologic Patient Care	2
RADT A275	Radiographic Positioning and Critique 4	2
RADT A277	Clinical Lab 7	7
RADT A285	ARRT Board Preparation	1
RADT A290	Applied Physics & Quality Control	1
Units		14.5
Total Units		82.5-87.5

¹ OCC AS GE AREA A2 - Required if 100-level MATH will not be taken to meet Math competency. If MATH A100 or higher will be taken, then needs to take 3-4 degree applicable elective units

² Highly recommended for Allied Health programs, some state licenses will require Algebra 2 or higher-level math to be completed at the college level. If 100-level Math courses (any math except MATH A220) satisfy AS Math Requirement and OCC AS GE AREA A2

³ Acceptance into the OCC Radiologic Technology program required to begin major coursework (Cohort Restriction)