



Radiologic Technology 2014-2015

Radiologic Technology is a science combining advanced technology and human compassion. Radiologic Technologists use their knowledge of physics, human anatomy and physiology to create permanent medical images. This is a profession that requires a dependable personality with a mature and caring nature.

The Radiologic Technology Program has been in operation since 1961 and is accredited by the Joint Review Committee on Education in Radiologic Technology, the California Department of Public Health - Radiation Health Branch, and the Western Association of Schools and Colleges.

After 22 consecutive months of competency based, clinical, classroom and laboratory instruction, graduates receive an Associate of Science degree in Radiologic Technology and qualify to take the California State and National Registry Exam.

Program Learning Outcomes:

- Graduates will demonstrate entry-level competency skills in accordance with national and state regulatory agencies.
- Graduates will value and implement proper radiation safety for patients, self, and others.

Career Opportunities:

Job opportunities are available in various settings such as hospitals, health care facilities, physicians offices, mobile imaging companies, industrial plants, research centers, government agencies, commercial sales and marketing. Starting salaries are approximately \$65,000 per year. An average salary is between \$75,000 and \$90,000 per year. Opportunities for advancement are in management, research, education, sonography, computerized tomography, mammography and magnetic resonance imaging.

Units required for Major: 99

Associate Degree Requirements:

- English proficiency: ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.
- Mathematics proficiency: 57, 105, 108 or equivalent.
- A minimum of 90 units is required* to include:
 - Completion of one of the following general education patterns: Foothill General Education, CSU General Education Breadth Requirements or the Intersegmental General Education Transfer Curriculum (IGETC)
 - Core courses (99 units)

*Additional elective course work may be necessary to meet the 90-unit minimum requirement for the associate degree.

NOTE: A GPA of 2.0 or better must be maintained in all college course work. All courses must be completed in sequence with a grade of "C" or better.

Program Type:

AS = Associate in Science Degree.

Additional Information:

Program Application

Admittance to this program is through an application process. Program information, admission criteria details, and applications can be found at the Radiologic Technology Website: <http://www.foothill.edu/bio/programs/radtech/>

Prerequisites*:

- High school diploma or a valid G.E.D.
- MATH 105 or equivalent.
- CHEM 25 or 30A or any equivalent chemistry that includes a lab.
- BIOL 40A, 40B and 40C or a semester each of Anatomy and Physiology.
- AHS 200 or a medical terminology course of at least 3 quarter units or 2 semester units.
- R T 200L or equivalent.
- ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.

*NOTE: All prerequisites must completed with a grade of "C" or better.
equivalent

Core Courses: 99 Unit(s)

FIRST YEAR

Summer

R T 50 Orientation to Radiation Science Technologies (2 units)

R T 53 Orientation to Radiologic Technology (1 unit)

Fall

AHS 50A Introduction to Allied Health Programs (1.5 unit)

R T 51A Fundamentals of Radiologic Technology I (4 units)

R T 52A Principles of Radiologic Technology I (3 units)

R T 53A Applied Radiographic Technology I (3 units)

R T 53AL Applied Radiographic Technology Laboratory I (1 unit)

R T 54A Basic Patient Care for Imaging Technology (2 units)

Winter

AHS 50B Interprofessional Patient Competencies (0.5 unit)

R T 51B Fundamentals of Radiologic Technology II (4 units)

R T 52B Principles of Radiologic Technology II (3 units)

R T 53B Applied Radiologic Technology II (3 units)

R T 53BL Applied Radiologic Technology Laboratory II (1 unit)

R T 54B Law & Ethics in Medical Imaging (2 units)

Spring

R T 51C Fundamentals of Radiologic Technology III (4 units)

R T 52C Principles of Radiologic Technology III (3 units)

R T 53C Applied Radiologic Technology III (3 units)



R T 53CL Applied Radiologic Technology Laboratory III (1 unit)

R T 54C Radiographic Pathology (3 units)

PSYC 1 General Psychology (5 units)

Summer (8 weeks)

R T 53D Applied Radiologic Technology IV (5.5 units)

R T 64 Fluoroscopy (4 units)

R T 72 Venipuncture (1.5 units)

SECOND YEAR

Fall

R T 52D Digital Image Acquisition & Display (2.5 units)

R T 62A Advanced Modalities in Imaging (3 units)

R T 63A Radiographic Clinical Practicum I (6.5 units)

Winter

R T 61B Radiology Research Project (1 unit)

R T 62B Special Procedures & Equipment (3 units)

R T 63B Radiographic Clinical Practicum II (6.5 units)

R T 65 Mammography (3 units)

Spring

R T 62C Professional Development in Radiology (3 units)

R T 63 Advanced Radiographic Principles (3 units)

R T 63C Radiographic Clinical Practicum III (6.5 units)