RADIOLOGIC TECHNOLOGY

Program Description

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 (www.jrcert.org) and the California Department of Public Health - Radiologic Health Branch. Foothill College is accredited by Western Association of Schools and Colleges.

After 23 consecutive months of competency based, clinical, classroom, and laboratory instruction, and completion of all General Education requirements, graduates receive an Associate in Science degree in Radiologic Technology and qualify to apply to take the California State and the ARRT National Registry Exam.

Learn more about the program on the Radiologic Technology website.

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. An average salary is between $75,000 and $90,000 per year. Opportunities for advancement are in management, research, education, sonography, computed tomography, mammography, interventional radiology, and magnetic resonance imaging.

Award Type(s)

- AS = Associate in Science Degree

Units Required

- Major: 117.5

Program Application

Admittance to this program is through an application process. Program information, admission criteria, and application to the program can be found at the Radiologic Technology program website.

Program Prerequisites

Must be completed with a grade of "C" or better unless otherwise noted.

- High school diploma or a valid G.E.D.

Code	Title	Units
Intermediate Algebra or equivalent		5
CHEM 25	FUNDAMENTALS OF CHEMISTRY	5
or CHEM 30A	SURVEY OF INORGANIC & ORGANIC CHEMISTRY	
or any equivalent chemistry course that includes a laboratory		
BIOL 40A & BIOL 40B & BIOL 40C	HUMAN ANATOMY & PHYSIOLOGY I and HUMAN ANATOMY & PHYSIOLOGY II and HUMAN ANATOMY & PHYSIOLOGY III	15
or a semester each of Anatomy and Physiology with a GPA of 2.5 or higher		
AHS 52	MEDICAL TERMINOLOGY (or a medical terminology course of at least 3 quarter/2 semester units)	4
R T 200L	RADIOLOGIC TECHNOLOGY AS A CAREER (or equivalent)	1.5
One of the following:		5
ENGL 1A	COMPOSITION & READING	
ENGL 1AH	HONORS COMPOSITION & READING	
ESLL 26	ADVANCED COMPOSITION & READING	
or equivalent		
COMM 2	INTERPERSONAL COMMUNICATION (or equivalent)	5

Associate Degree Requirements

Code	Title	Units
English Proficiency		
Select one of the following:		
ENGL 1A	COMPOSITION & READING	5
ENGL 1AH	HONORS COMPOSITION & READING	5
ESLL 26	ADVANCED COMPOSITION & READING	5
or equivalent		
Mathematics Proficiency		
College-level math course at or above the level of Intermediate Algebra		

A minimum of 90 units is required[1] 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 (117.5 units)

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

Note: All courses pertaining to the major must be taken for a letter grade. A GPA of 2.0 or better must be maintained in **all college course work**. In addition, a grade of "C" or better is required for all core courses used for the degree.

Core and Support Courses

Core Courses

Course	Title	Units
First Year		
Summer Session		
AHS 50A	INTRODUCTION TO ALLIED HEALTH PROGRAMS	1.5
R T 50	ORIENTATION TO RADIATION SCIENCE TECHNOLOGIES	2
R T 53	ORIENTATION TO RADIOLOGIC TECHNOLOGY	4
	Units	**7.5**

Fall Quarter		
R T 51A	FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY I	4
R T 53A	APPLIED RADIOGRAPHIC TECHNOLOGY I	4.5
R T 53AL	APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY I	1
R T 54A	BASIC PATIENT CARE FOR IMAGING TECHNOLOGY	2
R T 55A	PRINCIPLES OF RADIOLOGIC TECHNOLOGY I	3
	Units	**14.5**
Winter Quarter		
AHS 50B	INTERPROFESSIONAL PATIENT COMPETENCIES	0.5
R T 51B	FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY II	4
R T 53B	APPLIED RADIOGRAPHIC TECHNOLOGY II	4.5
R T 53BL	APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY II	1
R T 54B	LAW & ETHICS IN MEDICAL IMAGING	2
R T 55B	PRINCIPLES OF RADIOLOGIC TECHNOLOGY II	3
	Units	**15**
Spring Quarter		
R T 51C	FUNDAMENTALS OF RADIOLOGIC TECHNOLOGY III	4
R T 53C	APPLIED RADIOGRAPHIC TECHNOLOGY III	4.5
R T 53CL	APPLIED RADIOGRAPHIC TECHNOLOGY LABORATORY III	1
R T 54C	RADIOGRAPHIC PATHOLOGY	3
R T 55C	PRINCIPLES OF RADIOLOGIC TECHNOLOGY III	3
	Units	**15.5**
Summer Session (10 Weeks)		
R T 53D	APPLIED RADIOLOGIC TECHNOLOGY IV	9
R T 64	FLUOROSCOPY	3
R T 72	VENIPUNCTURE	1.5
	Units	**13.5**
Second Year		
Fall Quarter		
R T 52D	DIGITAL IMAGE ACQUISITION & DISPLAY	3
R T 61A	RADIOLOGY RESEARCH PROJECT I	1
R T 62A	ADVANCED MODALITIES IN IMAGING	3
R T 63A	RADIOGRAPHIC CLINICAL PRACTICUM I	10.5
	Units	**17.5**
Winter Quarter		
R T 61B	RADIOLOGY RESEARCH PROJECT II	1
R T 62B	SPECIAL PROCEDURES & EQUIPMENT	3
R T 63B	RADIOGRAPHIC CLINICAL PRACTICUM II	10.5
R T 65	MAMMOGRAPHY	3
	Units	**17.5**
Spring Quarter		
R T 62C	PROFESSIONAL DEVELOPMENT IN RADIOLOGY	3
R T 63	ADVANCED RADIOGRAPHIC PRINCIPLES	3
R T 63C	RADIOGRAPHIC CLINICAL PRACTICUM III	10.5
	Units	**16.5**
	Total Units	**117.5**