

Associate of Applied Science - Radiologic Technology

Major Code: 4414A

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Occupational Description: Registered Technologists (RTs) in Radiography (R) produce diagnostic quality radiographs of parts of the human body for use by physicians in diagnosing their patient’s health care problem. RTs follow physician orders precisely using a variety of imaging equipment and they conform to regulations concerning the use of radiation in the protection of their patients, themselves, and coworkers. Career Objective: The CSI Radiologic Technology Program in Radiography is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606-3182; 312-704-5300; mail@jrcert.org. This is an intensive five semester (22 months) program that prepares graduates to pass the national certification examination in radiography conducted by the American Registry of Radiologic Technologists (ARRT). Upon passing this exam, graduates become eligible for entry level employment in diagnostic imaging departments of hospitals and clinics as Registered Technologists in Radiography. Applying to this program is a separate application process from applying to the College or declaring your major. Additional information and current application requirements (including deadlines) can be found at: http://hshs.csi.edu/radiologic_technology. To promote success on the certification/licensure examination(s), all Required Courses must be passed with a grade of C or better.

Program Application Required: Yes

Gainful Employment: <https://www.csi.edu/ge/RadTech>

Career Opportunities: https://idcis.intocareers.org/index_cluster.aspx?FileID=Occ

Apply for Scholarships: <http://scholarships.csi.edu/> and <http://hshs.csi.edu/scholarship/index.asp>

General Education Core List: <http://advising.csi.edu/forms/Gen%20Ed%20Core.pdf>

Required non-program courses (can be completed before or during program)	Credits
COMM 101 Fundamentals of Oral Communication	3
ENGL 101 English Composition 1*	3
General Education Math	3
PSYC 101 General Psychology or SOCY 101 Introduction to Sociology	3
Gen. Ed. Elective [†]	4
ALLH 101 Medical Terminology	2
BIOL 105 Human Structure and Function [†]	4

Non-program Credit Total **22**

[†]If you take BIOL 227 and BIOL 228 instead of BIOL 105, you will satisfy both BIOL 105 Human Structure and Function and the 4 credit Gen. Ed. Elective

COURSES

SEMESTER 1	Credits
RADT 101 Radiologic Science	3
RADT 102 Orientation to Radiologic Technology	1
RADT 152 Radiation Protection	2

Semester Total **14**

NOTES

SEMESTER 1

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SEMESTER 2	Credits
RADT 151 Radiographic Procedures 1*	4
RADT 151L Radiographic Procedures 1 Lab	1
RADT 153 Image Analysis*	1
RADT 163 Imaging Equipment*	2
Semester Total	8

SEMESTER 2
*Prerequisites: RADT 101, 102 and 152
*Prerequisites: RADT 101, 102 and 152
*Prerequisites: RADT 101, 102 and 152

SEMESTER 3	Credits
RADT 180 Clinical Education 1	7
Semester Total	7

SEMESTER 3
*Prerequisites: RADT 101, 102, 150, 151, 152 and 153

SEMESTER 4	Credits
RADT 162 Radiographic Procedures 2*	4
RADT 162L Radiographic Procedures 2 Lab	1
RADT 164 Imaging and Processing*	2
RADT 181 Clinical Education 2*	8
Semester Total	15

SEMESTER 4
*Prerequisites: RADT 151 and 151L
*Prerequisites: RADT 101, 102 and 152
*Prerequisite: RADT 180

SEMESTER 5	Credits
RADT 165 Fundamentals of Computed Tomography*	3
RADT 182 Clinical Education 3*	11
Semester Total	14

SEMESTER 5
*Prerequisites: RADT 180 or current ARRT Registered Technologist in Radiography
*Prerequisite: RADT 181

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Outcomes

Category 1: Graduate Performance

Goal 1: Program effectiveness will be measured on an ongoing basis.

Outcomes: (1) Enrolled students will complete the program, (2) Graduates will pass the ARRT exam in radiography on the first attempt, (3) Graduates will be employed within six months and/or continuing their education, (4) Graduates will receive a quality education, (5) Employers will be satisfied with the performance of graduates.

Category 2: Clinical Performance

Goal 2: Students will be clinical competent.

Outcomes: (1) Students will provide appropriate patient care, (2) Students will demonstrate quality positioning, (3) Students will apply appropriate radiation safety principles, (4) Students will demonstrate the ability to evaluate image quality on non-routine patients.

Category 3: Problem Solving and Critical Thinking Skills Goal 3: Students will possess problem solving and critical thinking skills.

Outcomes: (1) Students will apply ALARA exposure techniques resulting in quality images using the least amount of radiation (Optimum kVp & Low mAs), (2) Students will assess the quality of radiographic images, (3) Students will adjust equipment operation and quality control factors.

Category 4: Communication Skills

Goal 4: Students will communicate and interact with patients and staff.

Outcomes: (1) Students will engage in radiography-related discussions with patients, staff and each other, (2) Students in clinical setting will exhibit good oral, written, listening communication skills, (3) Students in didactic setting will communicate effectively in writing.

Category 5: Professional Growth and Development Goal 5: Students and graduates will behave ethically.

Outcomes: (1) Students will apply the values, ethics and compassion of a radiographer, (2) Graduates will apply the values, ethics and compassion of a radiographer, (3) Students will develop a five year career development plan.

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