

# RADIOLOGIC TECHNOLOGY (2155)

ASSOCIATE IN SCIENCE DEGREE

## ARTICULATES TO BACCALAUREATE DEGREE IN RADIOLOGIC TECHNOLOGY

The Associate in Science degree prepares students for careers as Radiologic Technologists. Graduates will be eligible to apply for and take the National Certification Examination in (Radiography) administered by the American Registry of Radiologic Technologists as well as the Florida certification examination administered by the State of Florida Department of Health – Bureau of Radiation Control. The Radiography curriculum is intended to provide qualified students with the educational experiences and practical skills required to function competently in the field of Radiologic Technology as an entry-level radiographer. The program core courses are delivered over a 20-month period covering 6 consecutive college terms. The overall curriculum includes: general education courses, program related courses, radiologic technology core courses, and practical experience gained at regional hospitals and clinics.

All clinical education courses will be scheduled at the various clinical sites located in the tri-county service area or adjacent counties. Students must earn a “C” 2.0 grade in all of the required courses for the program.

## PROGRAM MISSION STATEMENT

The Radiography curriculum is intended to provide qualified students with the educational experiences and practical skills required to function competently in the field of Radiologic Technology as an entry-level Radiographer. In addition, the program will be conducted in a manner which will motivate students to become patient advocates in their field, and to perform their duties with consideration, empathy, and respect toward all patients in all circumstances.

## PROGRAM OUTCOMES

- A. Demonstrate effective reading, writing, speaking, and listening skills by appropriately communicating with patients, family and health care professionals in the clinical setting.
- B. Apply appropriate methods of mathematics to solve problems in determining radiation exposure and adjusting radiographic technical factors
- C. Use critical thinking skills to assess, analyze, and synthesize the processes required to produce diagnostic radiographs and demonstrate the ability to adapt and adjust routine radiography to obtain diagnostic images on patients unable to perform the routine positions.
- D. Retrieve, organize and use technological information from various disciplines, particularly Medical Imaging Technology, to produce diagnostic images for medical evaluation.
- E. Apply the methods, principles, and concepts of the natural sciences, specifically using information from their study of anatomy and physiology, as well as pathology.
- F. Examine human behavior and institutions, specifically in regard to historical origins of health care, handling cultural and socioeconomic differences in the health care setting, and understanding and dealing with the psychological effects of illness and trauma.

**For additional information check our Web site at: [sjrcc.edu](http://sjrcc.edu) under Workforce Education or call 904-808-7460.**

## ADMISSION REQUIREMENTS

The Radiologic Technology program is a limited access program. To apply for admission to the Radiologic Technology program a student must have completed all of the following prior to the program application deadline in May of each year:

- 1. application process to SJRCC;
- 2. application to radiologic technology program;
- 3. achieve satisfactory scores on college placement tests or have completed all college preparatory courses;
- 4. complete the following required prerequisite courses prior to the program application deadline in May of each year:

HSC	1000	Introduction to Health Care Delivery Systems .....	2	
HSC	1531	Medical Terminology .....	3	
HIM	2012	Healthcare Law .....	3	
+	HIM	2432	Concepts of Disease .....	3
	BSC	2085	Human Anatomy and Physiology I .....	3
	BSC	2085L	Human Anatomy and Physiology I Lab .....	1

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**THE INFORMATION IN RED REFLECTS CHANGES MADE AND APPROVED BY THE DISTRICT BOARD OF TRUSTEES AFTER THE 2009-2010 CATALOG WAS PRINTED.**

+	BSC	2086	Human Anatomy and Physiology II.....	3
	BSC	2086L	Human Anatomy and Physiology II Lab.....	1
	CGS	1100	Microcomputer Applications.....	3
	ENC	1101	Composition I.....	3
	PSY	2012	General Psychology.....	3
+*	—	—	Humanities.....	3

## STUDENT SELECTION

The student selection process is based on the following point system: **(MAXIMUM POSSIBLE POINTS 200)**

- 1. 124 POSSIBLE POINTS** – Points tabulated from the prerequisite courses identified in the admission requirements will contribute to the total points assigned to this category. A total of 31 semester hours of credit are available for point consideration. The method of point calculation for this category is based on the following formula:  
(Letter Grade value X credits = Points assigned)  
Calculation example: Student achieves a letter grade (B) in ENC 1101 (3 credits) = 9 points  
A=4 points; B=3 points; C=2 points
- 2. 15 POINTS AWARDED** – Residence in Clay, Putnam, or St. Johns counties, Florida. (Not required)
- 3. 20 POINTS AWARDED** – Current licensure as a State of Florida Basic X-ray Machine Operator. (Not required)
- 4. 15 POSSIBLE POINTS AWARDED** – 5 points will be awarded if applicant has an AA/AS Degree; 10 points will be awarded if applicant has a BA/BS Degree; 15 points will be awarded if applicant has a MA/MS Degree.
- 5. 20 POSSIBLE POINTS AWARDED** – 2 Points will be awarded for each pre-requisite course taken at St. Johns River Community College.
- 6. 6 POSSIBLE POINTS AWARDED** – 6 Points will be awarded for an “A”, 4 points for a “B”, 2 points for a “C” in HSC 1004 Professions of Caring (not required but recommended).

## FOLLOWING ACCEPTANCE INTO THE PROGRAM APPLICANTS MUST:

- Must successfully complete a Basic Life Support Health Care Provider (BLS) course administered by the American Heart Association.
- Have a physical examination verifying acceptable health status and completing all of the requirements for radiologic technology program. Requirements for the physical are included on the form provided to each student after admission to the radiologic technology program.
- Attend the radiologic technology program and clinical site orientations on the specified dates.
- All students are asked to sign a consent and waiver for SJRCC to perform a criminal background check and drug screen. Failure to provide this consent will render the applicant ineligible for admission to the program. Admission to the program is conditional upon the results of the criminal background check and drug screen. *Additional random and scheduled drug screening may be required at any time during the program.*

**NOTE:** An individual who has been involved in a criminal proceeding or who has been charged with or convicted of a crime may file a pre-application with the American Registry of Radiologic Technologists (ARRT) in order to obtain a ruling on the impact of the situation on their eligibility for certification and registration. The pre-application fee is \$75.00 and is non-refundable.

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## GENERAL EDUCATION COURSES:

	BSC	2085	Human Anatomy and Physiology I.....	3
	BSC	2085L	Human Anatomy and Physiology I Lab.....	1
+	BSC	2086	Human Anatomy and Physiology II.....	3
	BSC	2086L	Human Anatomy and Physiology II Lab.....	1
	ENC	1101	Composition I.....	3
	MAC	1105	College Algebra.....	3
	PSY	2012	General Psychology.....	3
+*	—	—	Humanities.....	3

## RADIOLOGIC TECHNOLOGY RELATED COURSES:

	CGS	1100	Microcomputer Applications Software.....	3
	HSC	1000	Introduction to Health Care Delivery Systems.....	2
+	HIM	2012	Health Care Law.....	3
+	HIM	2432	Concepts of Disease.....	3

## RADIOLOGIC TECHNOLOGY CORE COURSES:

	RTE	1000C	Introduction to Patient Care in Radiologic Sciences.....	2
	RTE	1418C	Radiologic Science.....	4
	RTE	1385	Radiobiology and Protection.....	2
	RTE	1503C	Radiographic Positioning I.....	5
+	RTE	1513C	Radiographic Positioning II.....	5
+	RTE	2613	Radiologic Physics.....	3
+	RTE	2061	Radiologic Science Seminar.....	3
	RTE	1804	Clinical Education I.....	2
+	RTE	1814	Clinical Education II.....	4
+	RTE	1824	Clinical Education III.....	6
+	RTE	2844	Clinical Education IV.....	5
+	RTE	2854	Clinical Education V.....	5

TOTAL REQUIRED CREDITS..... 77

+ Prerequisite course required. See course description in catalog.

\* Refer to A.A. degree general education requirements.

Radiologic Technology core courses are selective access and can only be taken after admission to the program.