

The Associate in Science (A.S.) Degree in Radiation Therapy prepares students to deliver prescribed doses of radiation to individuals with malignant or benign disease.

This program is based on the recommended core curriculum established by the American Society of Radiologic Technologists (ASRT) and enhances the educational experience and employment potential of students in the hospital or free-standing clinic. The program emphasizes the art and science of treatment delivery to individuals to restore, improve, and enhance performance; diminish or eradicate pathology; and promote and maintain health.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at <a href="https://fscj.edu/student-services/career-development">fscj.edu/student-services/career-development</a> .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

### Career Options

The demand for skilled, registered radiation therapists is expected to increase in the future. With advanced training/education, radiation therapists also have opportunities to pursue careers in dosimetry, medical physics, teaching and administration.

### Application Procedure

**This is a Limited Access program.** Students must follow the application procedure outlined in the current College Catalog. The **application deadline** is May 15 alternate/even years (e.g., 2024, 2026, etc.) with classes starting in fall term.

### Advising

(904) 646-2300 or [hcic@fscj.edu](mailto:hcic@fscj.edu).

### Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information.

A minimum grade of C or higher must be achieved in all prerequisite, professional and professional elective courses, as well as courses used to satisfy the general education and civic literacy requirements.

#### Courses Taken Prior to the Application Deadline

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	MAC 1105: College Algebra <b>or</b> higher-level MAC prefix course	3-5	Varies
<input type="checkbox"/>	ENC 1101: English Composition I <b>or</b> ENC 1101C: English Composition I Enhanced	3	Varies
<input type="checkbox"/>	BSC 2085C: Human Anatomy and Physiology I	4	Varies
<input type="checkbox"/>	BSC 2086C: Human Anatomy and Physiology II	4	Varies
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory	3	Varies
<input type="checkbox"/>	HSC 1531: Medical Terminology (for Health Professions)	3	Varies

#### General Education and Elective Coursework

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present <b>or</b> POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	ARH 2000: Art in the Humanities <b>or</b> PHI 2010: Philosophy in the Humanities <b>or</b> MUL 2010: Music in the Humanities <b>or</b> LIT 2000: Literature in the Humanities <b>or</b> HUM 2020: Topics in the Humanities <b>or</b> THE 2000: Theatre in the Humanities	3	Varies
<input type="checkbox"/>	SLS 1932: Selected Topics in Student Life Skills	2	Varies

#### Term 1: Fall

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 1001: Introduction to Radiation Therapy	3
<input type="checkbox"/>	RAT 2614: Radiation Physics	3
<input type="checkbox"/>	RAT 2123: Patient Care in Radiation Therapy	3
<input type="checkbox"/>	RAT 2242: Oncology I	3

#### Term 2: Spring

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 2241: Radiation Biology and Safety	3
<input type="checkbox"/>	RAT 2243: Oncology II	3
<input type="checkbox"/>	RAT 1803: Observation Clinical Education	1
<input type="checkbox"/>	RAT 2618: Radiographic Physics	3

## Important for You to Know

This academic roadmap does not include **developmental education courses** in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include **MAT 1033: Intermediate Algebra**, which, for many students, is a prerequisite course for MAC 1105.

## Certification/Licensing

Upon completion of this two-year degree program, graduates are eligible to sit for the American Registry of Radiologic Technologists (ARRT) board examination in Radiation Therapy. Graduates of the program are prepared to function as entry-level practitioners.

**Note:** If you are considering employment in a state other than Florida, please visit <https://www.fscj.edu/academics/license-disclose> to determine if this program will meet the selected state's requirements to sit for licensure or certification testing.

### Term 3: Summer

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 2832: Clinical Education B	6
<input type="checkbox"/>	RAT 1021: Trends in Radiation Therapy	2

### Term 4: Fall

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 2833: Clinical Education C	6
<input type="checkbox"/>	RAT 2651: Dosimetry and Treatment Planning	3

### Term 5: Spring

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 2834: Clinical Education D	7
<input type="checkbox"/>	RAT 2061: Seminar: Registry Review	3

## Total Program Credit Hours

The **Radiation Therapy** A.S. degree program requires a **minimum of 77 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

## Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- The student will be able to provide accurate CT planning and treatment to patients.
- The student must act with professionalism at all times whether interacting with staff or patients.
- The student must treat the patient in a professional manner and with empathy.
- The student will be able to calculate the correct dose for a patient in an emergency treatment if necessary.
- The student must have a basic knowledge of dosimetry and treatment planning.
- The student will have a basic knowledge of how the treatment machines work.
- The student must also have a working knowledge of the physics behind the treatment machines.
- The student must also have a knowledge of the radiobiology of the cancer cell and how this impacts how and why cancer patients are treated.
- The student must have basic patient care knowledge, enough to care for the patient in the treatment room and provide the patient with encouragement regarding appropriate diet.
- The student must be cognizant of the fact that they need to be aware of coding and billing of the treatment given.