

The Advanced Technical Certificate (A.T.C.) in Radiation Therapy Specialist trains students to work as part of a health care team under the supervision of a radiation oncologist.

The radiation therapist positions the patient for treatment, performs the necessary mathematical calculations to determine the radiation dosage, and delivers the radiation treatments utilizing highly sophisticated equipment.

<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"/> Satisfy the advanced technical certificate graduation requirements.

## Application Procedure

**This is a Limited Access program.** Students must follow the application procedure outlined in the current College Catalog. The **application deadline** is September 15 alternate/even years with classes starting in spring term. The program follows a cohort-based model and students who are enrolled full-time may complete coursework within 12 months.

## Important for You to Know

Students should refer to the current college catalog for important information regarding requirements for clinical experiences.

## Advising

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

## Sample Roadmap

This roadmap is intended to provide 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. **Full-time students will refer to the term-by-term recommendations**, and **part-time students will take courses in the order listed**.

A minimum grade of C or higher must be achieved in all professional coursework. Courses in the Radiation Therapy (A.T.C.) program are offered on campus.

### Term 1: Spring

<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 2241: Radiation Biology and Safety	3
<input type="checkbox"/>	RAT 2242: Oncology I	3
<input type="checkbox"/>	RAT 2123: Patient Care in Radiation Therapy	3

### Term 2: Summer

**Note:** RAT 2832 and RAT 2833 are taken in the A7 and C7 sessions of the same term.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours
<input type="checkbox"/>	RAT 2651: Dosimetry and Treatment Planning	3
<input type="checkbox"/>	RAT 2243: Oncology II	3
<input type="checkbox"/>	RAT 2832: Clinical Education B	6
<input type="checkbox"/>	RAT 2833: Clinical Education C	6

### Term 4: Fall

<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 Specialist A.T.C. program requires a **minimum of 43 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 planning CT 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 works.
- 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