

Radiation Therapy (2163) (A.S.)

RECOMMENDED ROADMAP

This Roadmap is a recommended way to complete this program of study. Course availability is subject to change. In some cases a specific course is shown, but there are other options available. To review and consider other courses, see the note at the bottom of this page. Consult the Program Advisor or Faculty Director before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

Prerequisites

Course ID	Course Title	Credit Hours	Grade Earned
1* ENC 1101	English Composition I	3	
2* See Note Below	Choose 1 General Education Mathematics	3	
BSC 2085C	Human Anatomy and Physiology I	4	
CGS 1060 OR CGS 1100	Introduction to Information Technology OR Microcomputer Application for Business and Economics	3	

Term Total = 13

1st Term

Course ID	Course Title	Credit Hours	Grade Earned
RAT 1001	Introduction to Radiation Therapy	3	
RAT 2614	Radiation Physics	3	
RAT 2241	Radiation Biology and Safety	3	
RAT 2242	Oncology I	3	

Term Total = 12

3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
RAT 2832	Clinical Education B	6	
RAT 1021	Trends in Radiation Therapy	2	
SLS 1932	Selected Topics in Student Life Skills	2	

Term Total = 10

5th Term

Course ID	Course Title	Credit Hours	Grade Earned
RAT 2834	Clinical Education D	7	
RAT 2061	Seminar: Registry Review	3	

Term Total = 10

Prerequisites

Course ID	Course Title	Credit Hours	Grade Earned
2* See Note Below	Choose 1 General Education Social and Behavioral Science	3	
2* See Note Below	Choose 1 General Education Humanities	3	
BSC 2086C	Human Anatomy and Physiology II	4	
HSC 1531	Medical Terminology for Health Professions	3	

Term Total = 13

2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
RAT 2123	Patient Care in Radiation Therapy	3	
RAT 2243	Oncology II	3	
RAT 1803	Observation Clinical Education	1	
RAT 2618	Radiographic Physics	3	

Term Total = 10

4th Term

Course ID	Course Title	Credit Hours	Grade Earned
RAT 2833	Clinical Education C	6	
RAT 2651	Dosimetry and Treatment Planning	3	

Term total = 9

Total Credit Hours = 77

Program Notes:

1* ENC 1101C can be taken in place of ENC 1101. Please speak with your Advisor for more information.

2* See the options for the [General Education Requirements](#) in the 2020-2021 [FSCJ Catalog](#).

3* This is the recommended course but there are other options. You can see the General Education Requirements at [General Education Requirements](#).

Contact the Health Career Advising Center at hcic@fscj.edu • (904) 713-4545

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RECOMMENDED COURSE SEQUENCE

This list shows a recommended sequence for completing the courses in this program of study. Course availability is subject to change. Part-time students should use this list to determine which courses to take next that fit their schedule. In some cases a specific course is shown, but there are other options available. To review and consider other courses, see the notes on page 1. Consult the Program Advisor before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

General Education Prerequisite Coursework:

- **ENC 1101** - English Composition I (Credit Hours: 3) - **Prerequisites:** Satisfactory score on placement test (for non-exempt students only).
See program note 1*.
- **Choose 1 General Education Mathematics. See program note 2*.**
- **BSC 2085C** - Human Anatomy and Physiology I (Credit Hours: 4) - **Prerequisite:** None.
- **CGS 1060** - Introduction to Information Technology (Credit Hours: 3) - **Prerequisite:** None.
OR
- **CGS 1100** - Microcomputer Applications for Business and Economics (Credit Hours: 3) - **Prerequisite:** None.
- **Choose 1 General Education Humanities. See program note 2*.**
- **Choose 1 General Education Social and Behavioral Science. See program note 2*.**
- **BSC 2086C** - Human Anatomy and Physiology II (Credit Hours: 4) - **Prerequisite:** Completion for BSC 2086C with a grade of "C" or higher.
- **HSC 1531** - Medical Terminology (for Health Professions) (Credit Hours: 3) - **Prerequisite:** None.

Professional Courses:

- This is a **limited access** program. Course sequence will be given upon acceptance into the program.
- SLS 1932 is only offered to accepted students during the summer semester.
- Program admits students every other year: 2016, 2018, 2020, etc.
- Students admitted into the program are expected to be available for classroom and clinical education Monday-Friday, 8:00am-5:00pm (no exceptions).
- See program page for additional information: fscj.edu/2163

To view a list of the [General Education Requirements](https://catalog.fscj.edu/), please visit our online catalog: <https://catalog.fscj.edu/>

CAREER OPTIONS

The demand for skilled, registered radiation therapists is nationwide and 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. According to the Bureau of Labor Statistics, employment of radiation therapists is expected to grow by 20 percent between 2010 and 2020, faster than the average for all occupations.

Radiation therapists typically do the following:

- Examine machines to make sure they are safe and work properly
- Explain treatment plans to the patient and answer questions about treatment
- Follow safety procedures to protect the patient and themselves from overexposure
- Determine the exact location of the area requiring treatment
- Check the computer programs to make sure that they will give the correct dose of radiation to the correct area of the patient's body
- Operate the equipment to treat the patient with radiation
- Monitor the patient to check for unusual reactions to the treatment
- Keep detailed records of treatment

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