

Associate of Science in Radiation Therapy Program Code 2159

Program Description: The Radiation Therapy Programs prepare individuals to successfully perform as a radiation therapist. Radiation therapists are vital members of a team of health professionals including a radiation oncologist (physician), physicist, dosimetrist, and oncology nurse. Some of the many functions of a radiation therapist include: assisting the radiation oncologist in localizing the tumor and simulating treatment parameters, treating patients with malignant diseases using ionizing radiation, monitoring patient's physical condition and response to treatment and recognizing treatment complications.

Career Pathway: Health Sciences

Program Entrance Requirements: The Associate of Science in Radiation Therapy is a limited access program. Admission to the college does not guarantee admission into the program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted to the program each year. Please refer to the Health Science Admissions information included in Appendix C of the catalog for specific admissions requirements. Students can also access admissions requirements online at www.broward.edu/healthsciences

Additional Program Information: This Associate in Science degree program is a two-year program. Applicants must complete all of the AS General Education course requirements prior to the second year of the program.

Radiation Therapy AS Program applicants who have criminal convictions or concerns must clear the ARRT ethics requirements through a pre-application review of eligibility process. The Pre-application Review of Eligibility process with the American Registry of Radiologic Technologists is done to avoid potential delays when applying to take the certification exam. Applicants should contact the ARRT directly at 651-687-0048 for further information.

In order to successfully progress through the AS Radiation Therapy Program, students must achieve a grade of "C" or above in all didactic courses and clinical courses and an "S" (satisfactory) grade in all laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Clinical education is performed in Broward and Palm Beach County hospitals/clinics and is offered concurrently with the didactic courses.

You will earn Technical Certificates related to your program of study as you earn your AA, AS, AAS or Bachelor's degree.

Related Industry Certificate: American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure.

Location(s): General Education courses are offered at all college locations, including online. Program specific courses are only available at the North Campus. Please consult the course schedule for specific semester locations.

Contact information: Program contact information can be found at www.broward.edu/radiation

Related Programs at Broward College:

Hospital-Based Radiation Therapy Associate of Science (21591)

Radiation Therapy Specialist Technical Certificate (6228)

**Associate of Science in Radiation Therapy
Program Code 2159**

General Education Credit Hours		19
ENC1101	College Composition I	3
BSC2085	Anatomy and Physiology I	3
BSC2085L	Anatomy and Physiology I Lab	1
SPC1608	Public Speaking	or
SPC1024	Introduction to Speech Communications	3
MGF 1106	Mathematics for Liberal Arts	or
MAC 1105	College Algebra	or
STA 2023	Statistics	3
Humanities		3
Social/Behavioral Science		3
 Core Requirements Credit Hours		 7
CGS1060c	Computer and Internet Literacy	3
BSC2086	Anatomy and Physiology I	3
BSC2086L	Anatomy and Physiology I Lab	1
 Programmatic Specific Credit Hours		 51
RAT1001	Introduction to Radiation Therapy	1
RAT1002	Introduction to Radiation Therapy Clinical	2
RAT1002L	Introduction to Radiation Therapy Clinical Lab	1
RAT1210	Introduction to Radiation Therapy Anatomy	1
RAT1112	Radiation Therapy Medical Imaging	1
RAT1123	Patient Care and Ethics	2
RAT1212	Radiation Therapy Imaging Anatomy	2
RAT1515	Radiation Pharmacology	1
RAT1614	Introduction to Radiation Physics	2
RAT1804	Clinical Education I	1
RAT2021	Principles of Radiation Therapy I	2
RAT2022	Principles of Radiation Therapy II	2
RAT2023	Oncology I	3
RAT2024	Oncology II	3
RAT2040	Radiation Oncology Law	1
RAT2041	Radiation Oncology Ethics	1
RAT2241	Radiobiology	2
RAT2243	Radiation Oncology Sectional Anatomy	4
RAT2617	Advanced Radiation Physics I	3
RAT2618	Advanced Radiation Physics II	2
RAT2619	Dosimetry & Computer Treatment Planning	3
RAT2657	Quality Assurance/Quality Management	2
RAT2814	Clinical Education II	3
RAT2824	Clinical Education III	3
RAT2834	Clinical Education IV	or
RAT2905	Independent Study*	3

**Associate of Science in Radiation Therapy
Program Code 2159**

Course Sequencing

First Year Term I (Summer)

ENC1101	College Composition I	3
BSC2085	Anatomy and Physiology I	3
BSC2085L	Anatomy and Physiology I Lab	1
GE Course	Mathematics	3
CGS1060c	Computer and Internet Literacy	3
Total Term Credit Hours		13

First Year Term II (Fall)

RAT1614	Introduction to Radiation Physics	2
RAT1210	Introduction to Radiation Therapy Anatomy	1
GE Course	Humanities	3
BSC2086	Anatomy and Physiology I	3
BSC2086L	Anatomy and Physiology I Lab	1
Total Term Credit Hours		10

First Year Term III (Spring)

RAT1112	Radiation Therapy Medical Imaging	1
RAT1123	Patient Care and Ethics	2
RAT1212	Radiation Therapy Imaging Anatomy	2
SPC1608	Public Speaking	or
SPC1024	Introduction to Speech Communications	3
GE Course	Social/Behavioral Science	3
Total Term Credit Hours		11

Second Year Term I (Summer)

RAT1001	Introduction to Radiation Therapy	1
RAT1002	Introduction to Radiation Therapy Clinical	2
RAT1002L	Introduction to Radiation Therapy Clinical Lab	1
RAT1515	Radiation Pharmacology	1
RAT1804	Clinical Education I	1
Total Term Credit Hours		6

Second Year Term II (Fall)

RAT2021	Principles of Radiation Therapy I	2
RAT2617	Advanced Radiation Physics I	3
RAT2023	Oncology I	3
RAT2243	Radiation Oncology Sectional Anatomy	4
RAT2040	Radiation Oncology Law	1
RAT2814	Clinical Education II	3
Total Term Credit Hours		16

Second Year Term III (Spring)

RAT2022	Principles of Radiation Therapy II	2
RAT2024	Oncology II	3
RAT2041	Radiation Oncology Ethics	1

**Associate of Science in Radiation Therapy
Program Code 2159**

RAT2618	Advanced Radiation Physics II	2
RAT2657	Quality Assurance/Quality Management	2
RAT2241	Radiobiology	2
RAT2824	Clinical Education III	3
	Total Term Credit Hours	15
 Second Year Term IV (Summer)		
RAT2619	Dosimetry & Computer Treatment Planning	3
RAT2834	Clinical Education IV	or
RAT2905	Independent Study*	3
	Total Term Credit Hours	6
	 Total Program Credit Hours	 77

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

*Course requires approval of Associate Dean

Students are strongly encouraged to meet with an advisor to create an educational plan.