

RADIATION THERAPY PROGRAM
Radiation Therapy Associate in Science Major 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. Clinical education is performed in Broward and Palm Beach County hospitals/clinics and is offered concurrently with the didactic courses. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

This Associate in Science degree program is a two-year program. **Applicants must complete all of the AS General Education course requirements prior to admission to the second year of the program.** Upon completion of this degree program, the graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure. Clinical Education is performed in Palm Beach and Broward County hospitals/clinics and is offered concurrently with the didactic classes. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

The program is offered in Building 41 on North Campus. Applicants should access admission information online at www.broward.edu/healthsciences, or call 954-201-2890. Applicants should call the program manager at (954) 201-2352 for specific program information.

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.

Related Programs

Radiation Therapy Specialist Technical Certificate Major
Code 6228

General Entrance Requirements

- HS Diploma or GED
- PERT‡

‡ The PERT test places students into preparatory level reading, writing and math courses designed to prepare them for college coursework. The PERT test may be replaced by other test or coursework: see the College catalog for more details. All preparatory courses must be completed in order to graduate.

Criteria for Admission to Radiation Therapy - Associate in Science Degree:

- Students must first gain admission to Broward College as described in the Admissions Procedures section of the College Catalog.
- Students must fulfill the Health Science Admission Requirements listed in the Health Science Programs and Policies section of the College Catalog.
- Students must complete (or transfer in from another school) pre-requisite courses with a “C” grade or higher prior to submitting a Health Science Limited Access Application to the Radiation Therapy Program. A minimum 2.5 degree GPA is required to apply to the program.
- Students must complete (or transfer in an equivalent course from another school/provider) the Pre-Health Science Core requirements prior to starting the program in August:
 - HCP 0001 Health Careers Core Curriculum
 - HSC 0405 Basic Life Support (CPR) Student
 - HSC 0522 Tuberculosis/OSHA/Hepatitis For Students
 - HSC 0591 HIV/AIDS Students
 - HSC 0691 Domestic Violence For Students
 - HSC 0692 Prevention of Medical Errors
- Applicants must complete a Medical History and Physical Examination prior to the start of RAT courses in Term I, August. Completion of the physical is not required for application to the program. Physical Examination information will be provided to students at the preadmissions meeting.

Radiation Therapy AS Program Selection Criteria

Once students have successfully completed **all** prerequisite courses (i.e., ENC 1101, BSC 1085, BSC 1085L, , BSC 1086, BSC 1086L & MTB 1310 or MAT 1033) & have applied to the Radiation Therapy Program with the **required minimum 2.5 cumulative GPA**, admission will be based on a point system. Points will be awarded for the number of courses completed toward the AS Degree in Radiation Therapy, Grade Point Average (programmatic) and work experience.

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Points for Courses Completed Toward the Degree:

Courses required for the AS Degree in Radiation Therapy (exclusive of the prerequisite courses & pre-health science core requirements) will be used to award points. One point will be awarded for each course successfully completed with a minimum of a "C" (or "S") grade regardless of the number of credits. An additional point will be awarded for completion of HSC 1531 Medical Terminology. The points awarded for courses completed at BC or that are transferred in as equivalent are as follows:

Humanities/Fine Arts Elective	1 point
Social/Behavioral Science Elective	1 point
SPC 1608 Public Speaking	1 point
*BSC1086 Anatomy and Physiology II	1 point
*BSC1086 Anatomy and Physiology II Lab	1 point
HSC 1531 Medical Terminology	1 point
*Health Occupations Students of America (HOSA) students who meet all of the application criteria	1 point

Points for Accumulative Grade Point Average

Points as follows will be awarded for the cumulative average of the courses that are required by the AS degree. This is for courses completed at BC or that are transferred in as equivalent:

2.5 -3.2 GPA	1 points
3.3-4.0 GPA	2 points

Points for Health Care Work Experience

Documented employment in a radiation therapy department or a minimum of 40 hours documented volunteer time in a radiation therapy department must be patient related	1 point
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Selection of Students:

Students with the highest point totals will be offered admission to the program based on availability. In the event of a tie, admission will be based on GPA. The earliest applications can be submitted is Winter Term please see Health Science admissions Page for exact dates, program start every August. Only those applications meeting the program selection criteria will be considered. **Incomplete applications or those received before students have completed the prerequisite courses will be returned.**

Students selected for the program will be notified by the Admissions Department via e-mail during the months of June. Those accepted will be required to attend a pre-admission session & accept or decline their place in the program. Students can defer entry into the program until the following year. However, such students must enter the program the following August. Those who do not enter the following year will have to reapply for admission.

Students who do not attend the pre-admission session or contact Admissions to accept, decline, or defer entry into the program will need to reapply for the following year.

Note: 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 an "S" (satisfactory) grade in all clinical and laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

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Pre-requisite Courses

*ENC 1101	Composition I	3
*BSC 1085	Anatomy and Physiology I	3
*BSC 1085L	Anatomy and Physiology I Lab	1
*MAT 1033	Intermediate Algebra	3
**CGS 1060C	Computer and Internet Literacy	3
Total Semester Hours		13

First Year Term I

RAT 1001	Introduction to Radiation Therapy	1
*RAT 1111	Radiographic Process	2
*RAT 1111L	Radiographic Process Lab	1
Elective	Humanities	3
*BSC1086	Anatomy and Physiology II	3
*BSC1086L	Anatomy and Physiology II Lab	1
Total Term Semester Hours		11

First Year Term II

RAT 1614	Introduction to Radiation Therapy Physics	3
RAT 1123	Patient Care	2
SPC 1024	Intro to Speech Communications or	
SPC 1608	Public Speaking	3
Elective	Social/Behavioral Science	3
Total Term Semester Hours		11

First Year Term III

*RAT 1804	Clinic Education I	2
RAT 1002	Introduction to Radiation Therapy Clinical	2
RAT 1002L	Intro to Radiation Therapy clinical Lab	1
Total Term Semester Hours		5

Second Year Term I

RAT 2240	Radiation Pathology	3
RAT 2021	Principles of Radiation Therapy I	3
*RAT 2617	Advanced Physics I	3
*RAT 2023	Oncology	3
*RAT 2814	Clinic Education II	3
Total Term Semester Hours		15

Second Year Term II

*RAT 2022	Principles of Radiation Therapy II	3
*RAT 2618	Advanced Physics II	3
*RAT 2241	Radiobiology	2
*RAT 2824	Clinic Education III	3
*RAT 2657	Quality Assurance and Pharmacology	3
*RAT 2243	Radiation Oncology Sectional Anatomy	2
Total Term Semester Hours		16

Second Year Term III

*RAT 2619	Dosimetry and Computer Treatment Planning	2
*RAT 2619L	Dosimetry and Computer Treatment Planning Lab	1
*RAT 2834	Clinic Education IV or	
*RAT 2905	Independent Study	3
Total Term Semester Hours		6
Total Program Semester Hours		77

*Requires a pre- or co-requisite or proper score on placement test. Refer to the course descriptions found online at www.broward.edu.

**CGS1060C must be completed within the first 15 hours of Broward College coursework.

It is strongly recommended that students see an academic advisor or counselor every term.