

RADIATION THERAPY PROGRAM
Radiation Therapy Associate in Science Major Code 2159
Radiation Therapy Specialist Technical Certificate Major Code 6228

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 and clinics and is offered concurrently with the didactic courses. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

Radiation Therapist Specialist-Technical Certificate Track (Major Code 6228):

The Radiation Therapist Specialist Technical Certificate program prepares the Certified Radiologic Technologist (A.R.R.T.) for employment as a radiation therapist after one year of study. Upon completion of this 12 month full-time day program the student will be eligible to write the Radiation Therapy Exam offered by, and be certified by, the American Registry of Radiologic Technologists and to become licensed by the State of Florida.

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.

Criteria for Admission to the Radiation Therapy Specialist-Technical Certificate Program:

- Applicants must fulfill the requirements for admission to Health Science Programs.
- Minimum 2.5 degree GPA overall in their radiography courses (Effective August 2006)
- **APPLICANTS MUST HAVE COMPLETED AN ACCREDITED RADIOGRAPHY PROGRAM AND BE CERTIFIED BY THE AMERICAN REGISTRY OF RADIOLOGIC TECHNOLOGISTS.**
- All applicants must submit transcripts documenting completion of Algebra at the Intermediate level or higher OR by successfully completing MAT 1033 Intermediate Algebra or MTB 1310 Applied Mathematics, with a grade of "C" or higher before applying to the program.
- 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.

Requirements for Radiation Therapy Specialist-Technical Certificate Program:

(For Radiologic Technologists)

- Complete 43 semester credit hours with a GPA of 2.0 or higher.
- Complete all certificate courses with a grade of "C" or higher.

Note: In order to successfully progress through the Radiation Therapy Specialist 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

Radiation Therapy Associate in Science Major Code 2159

Program Description

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 student will be eligible to write the Radiation Therapy Exam, and be certified by, the American Registry of Radiologic Technologists and become licensed by the State of Florida as a Radiation Therapist. Clinical Education is performed in Palm Beach and Broward County hospitals and 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.

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

- Applicants must fulfill the general requirements for admission to Health Science Programs.
- A minimum 2.5 degree GPA.
- Applicants must complete the Pre-Health Science Core requirements (HCP 0130, CAE 0299, CAE 0382, CAE 0474 and CAE 0476) after submitting the health science application and prior to entering the program.
- Applicants must complete the pre-requisite courses with a grade of “C” or higher prior to submitting an application. See list of courses below.
- 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 A.S. Degree in Radiation Therapy, Grade Point Average (programmatic) and work experience.

Points for Courses Completed Toward the Degree:

Only those courses required for the A.S. 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. The points awarded for courses completed at BC or that are transferred in as equivalent are as follows:

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| **CGS1060C Computer and Internet Literacy | 1 point |
| Humanities/Fine Arts Elective | 1 point |
| Social/Behavioral Science Elective | 1 point |
| SPC 1024 Intro to Speech Communications or SPC 1600 Public Speaking | 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:

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

Points for Health Care Work Experience

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| Full time employment in a radiation therapy department | 3 points |
| Part time employment in a radiation therapy department | 2 points |
| Full time employment in a Health care environment | 2 points |
| Part time employment in a Health care environment | 1 points |

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 date of application (first come, first serve). Students are therefore, encouraged to apply as soon as possible after all prerequisite courses are completed. The earliest applications can be submitted is September 3rd (i.e., 11 months in advance of the program start date in August of the following year). 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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| <i>Pre-requisite Courses</i> | | | *RAT 2023 | Oncology | 3 |
| *ENC 1101 | Composition I | 3 | *RAT 2814 | Clinic Education II | 3 |
| *BSC 1085 | Anatomy and Physiology I | 3 | <i>Total Term Semester Hours</i> 15 | | |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 | <i>Second Year Term II</i> | | |
| *MAT 1033 | Intermediate Algebra or | | *RAT 2022 | Principles of Radiation Therapy II | 3 |
| *MTB 1310 | Applied Mathematics | 3 | *RAT 2618 | Advanced Physics II | 3 |
| *BSC1086 | Anatomy and Physiology II | 3 | *RAT 2241 | Radiobiology | 2 |
| *BSC1086 | Anatomy and Physiology II Lab | 1 | *RAT 2824 | Clinic Education III | 3 |
| <i>Total Semester Hours</i> 14 | | | *RAT 2657 | Quality Assurance and Pharmacology | 3 |
| <i>First Year Term I</i> | | | *RAT2248 | Radiation Oncology Sectional Anatomy | 2 |
| RAT 1001 | Introduction to Radiation Therapy | 3 | <i>Total Term Semester Hours</i> 16 | | |
| RAT 1614 | Introduction to Radiation Therapy | | <i>Second Year Term III</i> | | |
| | Physics | 3 | *RAT 2619 | Dosimetry and Computer Treatment | |
| | Elective | 3 | | Planning | 2 |
| **CGS 1060C | Computer and Internet Literacy | 3 | *RAT 2619L | Dosimetry and Computer Treatment | |
| <i>Total Term Semester Hours</i> 12 | | | | Planning Lab | 1 |
| <i>First Year Term II</i> | | | *RAT 2834 | Clinic Education IV | 3 |
| *RAT 1111 | Radiographic Process | 2 | <i>Total Term Semester Hours</i> 6 | | |
| *RAT 1111L | Radiographic Process Lab | 1 | <i>Total Program Semester Hours</i> 77 | | |
| SPC 1024 | Intro to Speech Communications or | | *Requires a pre- or co-requisite or proper score on placement | | |
| SPC 1600 | Public Speaking | 3 | test. Refer to the course descriptions found in this catalog or | | |
| | Elective | 3 | online at www.broward.edu . | | |
| *RAT 1021C | Clinical Instrumentation | 2 | **Students must fulfill the computer literacy general education | | |
| <i>Total Term Semester Hours</i> 11 | | | requirements within the first 15 hours of BC credit by | | |
| <i>First Year Term III</i> | | | successfully completing the basic student technology test or pass | | |
| *RAT 1804 | Clinic Education I | 3 | the CGS1060C to earn the degree. | | |
| <i>Total Term Semester Hours</i> 3 | | | It is strongly recommended that students see an academic | | |
| <i>Second Year Term I</i> | | | advisor or counselor every term. | | |
| RAT 2240 | Radiation Pathology | 3 | | | |
| RAT 2021 | Principles of Radiation Therapy I | 3 | | | |
| *RAT 2617 | Advanced Physics I | 3 | | | |

