

# Radiation Therapy Technology

---

## Program Director

Angela Oliveira  
*Radiological Therapy Technology*

## Radiation Therapy Technology

The Bachelor of Science degree program in Radiological and Health Professions is a four-year program conducted in affiliation with regional hospitals and medical centers. The program is for students who have no previous experience in Radiation Therapy and wish to prepare themselves for a career in the field. To satisfy the degree requirements of the program, students must fulfill all academic and clinical hours specified by the national and state agencies for professional certification, registration, and licensing.

This program also includes a concentration in Health Care Administration, which gives the student an in-depth understanding of the healthcare industry.

### Freshman

Fall	Credits	Spring	Credits
ENGL 110		3 CMPT 155	3
RELS 110		3 MATH 230	3
BIOL 103		2 PSYC 203	3
BIOL 183		1 PHYS 106	4
MATH 100		4 PHYS 196	0
PHYS 105		4 RELS 373	3
PHYS 195		0	
		<b>17</b>	<b>16</b>

### Sophomore

Fall	Credits	Spring	Credits
BIOL 207		3 BIOL 208	3
BIOL 287		1 BIOL 288	1
RHS 315		3 RHS 320	3
CHEM 100		3 PHIL 201	3
RHS 205		3 RHS 275	3
RHS 420		3 RHS 276	3
		<b>16</b>	<b>16</b>

### Junior

Fall	Credits	Spring	Credits	Summer	Credits
RHS 326		3 RHS 356		3 RHS 279	5
RHS 355		3 RHS 358		3	
RHS 357		3 RHS 472		3	

KIN 209	1 Religion Elective	3	
Liberal Arts Elective	3 ENGL 200 Level Elective	3	
RHS 404	3		
	<b>16</b>	<b>15</b>	<b>5</b>

**Senior**

<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
RHS 220		3 RHS 440	1
RHS 281		6 RHS 481	3
RHS 317		3 RHS 412	3
RHS 471		3 RHS 282	6
		<b>15</b>	<b>13</b>

**Total Credits: 129**

## Program Learning Goals

### Radiation Therapy Technology

Students who complete this program will:

- Be academically competent as entry-level radiation therapists.
- Be clinically competent as entry-level radiation therapists.
- Demonstrate communication skills of a competent entry-level radiation therapist.
- Develop the critical thinking skills necessary to perform independently within the radiation therapists' scope of practice.
- Develop professionalism and ethical and moral practices congruent with the profession's code of ethics and pursue lifelong learning.

## Program Requirements

### Bachelor of Science in Radiological and Health Profession (Radiation Therapy Technology)

This is a full-time program, with daytime and evening course requirements, designed for students who have no previous experience in Radiation Therapy Technology and wish to prepare themselves for a career in this field.

Total credits for Graduation: 128

### Concentration Health Care Administration

The degree programs include a concentration in healthcare administration. The courses for this concentration are:

RHS 220	US Health Care Systems	3
RHS 471	Healthcare Organization and Management	3

RHS 472	Financial Management in Healthcare	3
RHS 481	Legal Aspects in Health Care	3
RHS 420	Ethics in Healthcare	3

## Program Requirements

Admission to and continuation in the Clinical Internship courses in RTT require an overall Cumulative index of 2.75 and an overall Major Academic course index of 2.75 (see list of Major Academic courses below).

Admission to the Major Academic courses, that are pre-requisites or co-requisites to clinical internships, in the RTT program requires an overall Cumulative index of 2.75 and a Major Academic course index of 2.75 (see list of Major Academic courses that are pre-requisites or co-requisites for clinical internship courses, they are marked with an \* below). If a student is unable to be admitted into the Major Academic courses because the indexes are lower than 2.75, they will be given one academic year to meet this requirement. Failure to meet this requirement within one academic year will result in dismissal from the program.

A grade of C or better is required in the Major Academic Courses (see list of Major Academic Courses below) for admission to sequential Major Academic Courses for which the course is a prerequisite. The student will be given one opportunity to repeat the course and must earn a grade of C or better before entering sequential Major Academic Courses for which the course is a prerequisite. If a student needs to repeat more than two major academic courses, they will be dismissed from the program.

A grade of C or better is required in the Major Academic courses (see list of Major Academic courses below) for admission or continuation in Clinical Internship courses. The student will be given one opportunity to repeat the course and must earn a grade of C or better before entering or continuing in Clinical Internship courses. (Please note that the Major Academic courses index must average 2.75 even though a few C grades are obtained in the Major Academic courses).

A grade of C or better is required in the Clinical Internship courses (see list of Clinical Internship courses below) to continue in Clinical Internship courses. The student must earn a grade of C or better the next regular time that specific Clinical Internship course is offered before continuing in Clinical Internship courses.

If a grade of F is obtained in any Clinical Internship course, continuation in the Clinical Internship courses is not allowed.

Admission to the Clinical Internship courses in RTT is based upon the Faculty and Program Director's evaluation of the student's attendance, punctuality, maturity, attitude, motivation, responsibility, interpersonal skills, attentiveness to detail, professionalism, and ability to perform the duties of a radiation therapy technologist.

Continuation in the Clinical Internship courses in RTT is based upon the successful completion of the Overall and Clinical Evaluations given to the student by the Clinical Supervisor at the Clinical Affiliate and the ongoing evaluation by the Faculty and Program Director of the student's attendance, professionalism, punctuality, maturity, attitude,

motivation, responsibility, interpersonal skills, attentiveness to detail, and ability to perform the duties of a radiation therapy technologist.

Due to the serious nature of the duties performed by the student in the Clinical Internship courses, the student is granted one opportunity to complete the Clinical Internship. If the student is removed from the clinical affiliate site by the clinical supervisor for valid reasons, the student will receive an F grade for that Clinical Internship course, the student will not be re-assigned to another clinical affiliate site, and will not be eligible to enroll in clinical internship courses.

**The RTT major academic courses include:**

RHS 205	Concepts Allied Health	3
RHS 275	Patient Care Procedures	3
RHS 276	Radiation Therapy I	3
RHS 315	Radiation Physics	3
RHS 317	Radiation Biology	3
RHS 320	Radiation Detection and Protection	3
RHS 326	Cross-Sectional Anatomy	3
RHS 355	Radiation Therapy II	3
RHS 356	Radiation Therapy III	3
RHS 357	Radiation Therapy Instrumentation	3
RHS 358	Treatment Planning	3
RHS 404	CT Imaging	3
RHS 412	Health Research Methods	3
RHS 440	Radiation Therapy Colloquium	1
BIOL 207	Anatomy and Physiology I	3
BIOL 287	Anatomy & Physiology I Lab	1
BIOL 208	Anatomy and Physiology II	3
BIOL 288	Anatomy & Physiology II Lab	1

**The RTT clinical internship courses include:**

RHS 280	Radiation Therapy Internship I	4
RHS 281	Radiation Therapy Fall Internship II	6
RHS 282	Radiation Therapy Spring Internship III	6

## Registry Examination

Upon completion of all the requirements for the Bachelor of Science in Radiological and Health Professions, students majoring in Radiation Therapy Technology will be eligible to sit for the written examination of the American Registry of Radiologic Technologists.

Approval for these examinations will be granted only after a student has met all responsibilities for successful completion of the program.

## Certificate Program in Radiation Therapy Technology

The certificate program is for students who already have a bachelor's degree and are looking to transition into the field of radiation therapy technology. Students must have completed the prerequisite courses as outlined below.\* The certificate program takes approximately 29 months to complete. A full-time internship is required during both summer sessions and both evening and daytime courses are required.

### First Year

Fall	Credits	Spring	Credits
RHS 315		3 RHS 320	3
RHS 205		3 RHS 275	3
		RHS 276	3
		<b>6</b>	<b>9</b>

### Second Year

Fall	Credits	Spring	Credits	Summer	Credits
RHS 326		3 RHS 404		3 RHS 279	5
RHS 355		3 RHS 358		3	
RHS 357		3 RHS 356		3	
KIN 209		1			
		<b>10</b>		<b>9</b>	<b>5</b>

### Third Year

Fall	Credits	Spring	Credits
RHS 317		3 RHS 282	6
RHS 281		6 RHS 440	1
		RHS 412	3
		<b>9</b>	<b>10</b>

### Total Credits: 58

Total Credits: 57

### \*Entrance Requirements and Prerequisites for the Certificate Program

Applicant must possess a Bachelor's degree and have the following college-level prerequisites with a grade of C or better:

English	6 Credits
Human Anatomy and Physiology	6 Credits
Chemistry	3 Credits
Physics	8 Credits
Computer Science	3 Credits
Pre-Calculus	4 Credits
Statistics	3 Credits

## Certificate Program Requirements

Admission to and continuation in the Clinical Internship courses in RTT require an overall Cumulative index of 2.75 and an overall Major Academic course index of 2.75 (see list of Major Academic courses below).

Admission to the Major Academic courses, that are pre-requisites or co-requisites to clinical internships, in the RTT program requires an overall Cumulative index of 2.75 and a Major Academic course index of 2.75 (see list of Major Academic courses that are pre-requisites or co-requisites for clinical internship courses, they are marked with an \* below). If a student is unable to be admitted into the Major Academic courses because the indexes are lower than 2.75, they will be given one academic year to meet this requirement. Failure to meet this requirement within one academic year will result in dismissal from the program.

A grade of C or better is required in the Major Academic Courses (see list of Major Academic Courses below) for admission to sequential Major Academic Courses for which the course is a prerequisite. The student will be given one opportunity to repeat the course and must earn a grade of C or better before entering sequential Major Academic Courses for which the course is a prerequisite. If a student needs to repeat more than two major academic courses, they will be dismissed from the program.

A grade of C or better is required in the Major Academic courses (see list of Major Academic courses below) for admission or continuation in Clinical Internship courses. The student will be given one opportunity to repeat the course and must earn a grade of C or better before entering or continuing in Clinical Internship courses. (Please note that the Major Academic courses index must average 2.75 even though a few C grades are obtained in the Major Academic courses).

A grade of C or better is required in the Clinical Internship courses (see list of Clinical Internship courses below) to continue in Clinical Internship courses. The student must earn a grade of C or better the next regular time that specific Clinical Internship course is offered before continuing in Clinical Internship courses.

If a grade of F is obtained in any Clinical Internship course, continuation in the Clinical Internship courses is not allowed.

Admission to the Clinical Internship courses in RTT is based upon the Faculty and Program Director's evaluation of the student's attendance, punctuality, professionalism, maturity, attitude, motivation, responsibility, interpersonal skills, attentiveness to detail, and ability to perform the duties of a radiation therapy technologist.

Continuation in the Clinical Internship courses in RTT is based upon the successful completion of the Overall and Clinical Evaluations given the student by the Clinical Supervisor at the Clinical Affiliate and the ongoing evaluation by the Faculty and Program Director of the student's attendance, punctuality, maturity, attitude, motivation, responsibility, interpersonal skills, attentiveness to detail, pleasantness and ability to perform the duties of a radiation therapy technologist.

Due to the serious nature of the duties performed by the student in the Clinical Internship courses, the student is granted one opportunity at completing the Clinical Internship. If the student is removed from the clinical affiliate site by the clinical supervisor for valid

reasons, the student will receive an F grade for that Clinical Internship course, the student will not be re-assigned to another clinical affiliate site and will not be eligible to enroll in clinical internship courses.

**The RTT major academic courses include:**

RHS 205	Concepts Allied Health	3
RHS 275	Patient Care Procedures	3
RHS 276	Radiation Therapy I	3
RHS 315	Radiation Physics	3
RHS 317	Radiation Biology	3
RHS 320	Radiation Detection and Protection	3
RHS 326	Cross-Sectional Anatomy	3
RHS 355	Radiation Therapy II	3
RHS 356	Radiation Therapy III	3
RHS 357	Radiation Therapy Instrumentation	3
RHS 358	Treatment Planning	3
RHS 404	CT Imaging	3
RHS 412	Health Research Methods	3
RHS 440	Radiation Therapy Colloquium	1
BIOL 207	Anatomy and Physiology I	3
BIOL 287	Anatomy & Physiology I Lab	1
BIOL 208	Anatomy and Physiology II	3
BIOL 288	Anatomy & Physiology II Lab	1

**The RTT clinical internship courses include:**

RHS 280	Radiation Therapy Internship I	4
RHS 281	Radiation Therapy Fall Internship II	6
RHS 282	Radiation Therapy Spring Internship III	6