

Radiologic Technology, Associate in Applied Science

Radiologic Technology is a cooperative program designed with the Shore Medical Center School of Radiologic Technology (SMCSRT). The program meets the needs of those students desiring certification and employment in the community as a Radiologic Technologist. The American Registry for Radiologic Technologists (ARRT) requires students on this career path to have a minimum of an associate degree from an accredited institution for eligibility to take the ARRT certification examination.

The program, accredited by the Joint Review Committee on Education in Radiologic Technologists (JRCERT) and the New Jersey Department of Environmental Protection, Bureau of X-ray Compliance (NJDEP), is completed in two phases. The pre-professional phase of the program, which includes courses in general education, mathematics, and science, is completed at Atlantic Cape. The professional phase of the program, which includes the radiologic technology courses and clinical experiences, is completed at Shore Medical Center. Upon having completed the required 68 college credits and receiving a certificate of all program requirements from SMCSRT, Atlantic Cape will grant an Associate in Applied Science degree.

Admission to the professional phase of the program requires completion of the prerequisite courses: ENGL101, MATH122 or MATH150 or MATH220, BIOL220 and BIOL221. All four prerequisite courses must be completed with a grade of C or better and have a minimum GPA of 3.0. Also required is completion of the ATI TEAS exam with a score of 58.7 or greater.

For detailed information on SMCSRT's application process and the ATI TEAS exam, please visit www.shoremedicalcenter.org/radiologyschool.

For additional information, contact Assistant Dean, Myrna Morales Keklak, at (609)343-5033 or mkeklak@atlanticcape.edu or contact the coordinator for Shore Medical Center's Radiology Program, at radiologyschool@shoremedicalcenter.org or (609)653-3924, Option #1.

Upon completion of this program students will be able to:

- Demonstrate clinical competency as an entry-level radiographer through application of positioning skills and selection of technical factors;
- Employ radiation protection principles to provide a safe medical imaging environment;
- Demonstrate effective communication skills, problem-solving and critical thinking as part of a healthcare team;
- Apply ethical and moral reasoning to ensure patients are treated with compassion and dignity;
- Participate in professional activities as described in the ASRT Code of Ethics to promote professional growth as a radiographer and support lifelong learning.

(RADT-Fall 2022)

General Education Courses

Note: Courses with "Prerequisite" next them must be completed before applying to the Shore Medical Center's School of Radiologic Technology (SMCSRT) program.

Communication

| Course # | Title | Credits |
|----------|--|---------|
| ENGL101 | Composition I | 3 |
| ENGL102 | Composition II | 3 |
| | Choose: COMM110 or COMM120 (3 credits) | 3 |

Mathematics-Science-Technology

| Course # | Title | Credits |
|----------|--|---------|
| | Choose MATH122-College Algebra, MATH150-Precalculus or MATH220-Statistical Methods (4 credits) | 4 |
| BIOL220 | Human Anatomy and Physiology I | 4 |
| BIOL221 | Human Anatomy and Physiology II | 4 |

Social Science

| Course # | Title | Credits |
|----------|--------------------|---------|
| PSYC101 | General Psychology | 3 |

Program Courses

* RADX courses requires Admission to the School of Radiologic Technology.

| Course # | Title | Credits |
|--------------|--|---------|
| BIOL/PHIL104 | Bioethics: Realities of the New Millennium | 3 |
| HESC110 | Comprehensive Medical Terminology | 3 |
| RADX101 | Patient Care in Radiologic Sciences I | 2 |
| RADX107 | Patient Care in Radiologic Sciences II | 2 |
| RADX108 | Radiologic Physics | 2 |

Shore Medical Center's School of Radiologic Technology

All radiologic technology courses (RADX) are limited to students accepted into the program. The following courses are taken on the campus of SMCSRT, located at 100 Medical Center Way, Somers Point, NJ.

| Course # | Title | Credits |
|----------|----------------------------------|---------|
| RADX102 | Radiographic Procedures I | 3 |
| RADX103 | Principles of Imaging I | 2 |
| RADX104 | Clinical Radiography I | 2 |
| RADX105 | Radiographic Procedures II | 3 |
| RADX106 | Principles of Imaging II | 2 |
| RADX109 | Clinical Radiography II | 2 |
| RADX201 | Clinical Radiography III | 3 |
| RADX202 | Radiographic Procedures III | 2 |
| RADX203 | Principles of Imaging III | 2 |
| RADX204 | Radiation Biology and Protection | 2 |
| RADX206 | Clinical Radiography IV | 3 |
| RADX207 | Clinical Radiography V | 4 |
| RADX208 | Radiographic Pathology | 2 |

Technological Competency: 0-4 Credits

(Is fulfilled with CISM125, CISM132, testing or reviewed departmental portfolio.)

| | |
|----------------------|-----------|
| Total Credits | 68 |
|----------------------|-----------|

Recommended Sequence of Courses

Pre-Professional Phase

ATLANTIC CAPE COMMUNITY COLLEGE

The following courses must be completed with a grade of C or better: ENGL101, BIOL220, BIOL221, and MATH122 or MATH150 or MATH220. An overall minimum GPA of 3.0 is required to apply for admission.

First Semester

| Course # | Title | Credits |
|----------|--|---------|
| ENGL101 | Composition I | 3 |
| HESC110 | Comprehensive Medical Terminology | 3 |
| BIOL220 | Human Anatomy and Physiology I | 4 |
| | Choose MATH122-College Algebra, MATH150-Precalculus or MATH220-Statistical Methods (4 credits) | 4 |

Second Semester

| Course # | Title | Credits |
|--------------|--|---------|
| ENGL102 | Composition II | 3 |
| BIOL221 | Human Anatomy and Physiology II | 4 |
| PSYC101 | General Psychology | 3 |
| | Choose: COMM110 or COMM120 (3 credits) | 3 |
| BIOL/PHIL104 | Bioethics: Realities of the New Millennium | 3 |

Professional Phase

RADIOLOGIC TECHNOLOGY COURSES

Unless identified with an asterisk, all School of Radiologic Technology course work is completed at Shore Medical Center.

***Course will be taught on the Atlantic Cape Community College campus*

Third Semester - Fall

***RADX101 - Taught on the Atlantic Cape campus*

| Course # | Title | Credits |
|----------|---------------------------------------|---------|
| RADX101 | Patient Care in Radiologic Sciences I | 2 |
| RADX102 | Radiographic Procedures I | 3 |
| RADX103 | Principles of Imaging I | 2 |
| RADX104 | Clinical Radiography I | 2 |

Fourth Semester - Spring

**RADX107 - Taught on the Atlantic Cape campus

**RADX108 - Taught on the Atlantic Cape campus

| Course # | Title | Credits |
|----------|--|---------|
| RADX105 | Radiographic Procedures II | 3 |
| RADX106 | Principles of Imaging II | 2 |
| RADX107 | Patient Care in Radiologic Sciences II | 2 |
| RADX108 | Radiologic Physics | 2 |
| RADX109 | Clinical Radiography II | 2 |

Summer

| Course # | Title | Credits |
|----------|--------------------------|---------|
| RADX201 | Clinical Radiography III | 3 |

Fifth Semester - Fall

| Course # | Title | Credits |
|----------|----------------------------------|---------|
| RADX202 | Radiographic Procedures III | 2 |
| RADX203 | Principles of Imaging III | 2 |
| RADX204 | Radiation Biology and Protection | 2 |
| RADX206 | Clinical Radiography IV | 3 |

Sixth Semester - Spring

| Course # | Title | Credits |
|----------|------------------------|---------|
| RADX207 | Clinical Radiography V | 4 |
| RADX208 | Radiographic Pathology | 2 |