

# Radiography

## Associate in Applied Science Degree

Program **RAD.B.AAS**  
CIP 510907



The Radiography program combines courses in general education and radiography with supervised clinical experience in area hospitals. Graduates are eligible to take the American Registry of Radiologic Technologist Examination in Radiography to become nationally certified and licensed by the State of New Jersey.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and the New Jersey Radiologic Technology Board of Examiners. Graduates are employed by hospitals, clinics, diagnostic imaging centers, and the offices of private physicians.

### PROGRAM OUTCOMES

- Apply the essential skills to perform diagnostic radiographic procedures competently as entry-level radiographers;
- Communicate effectively in a health care facility;
- Utilize critical thinking to problem solve;
- Develop values and attitudes consistent with professional practice.

Applicants must have a high school diploma or the equivalent with one year of laboratory physics and two years of academic mathematics. Students who have not completed these courses within the last five years may fulfill this requirement by completing Basic Algebra (MAT 034) and Fundamentals of Physics (PHY 109).

In order to be accepted into the professional phase of the radiography program, the student must have completed all basic skills and ESL courses and be eligible to enroll in college-level English and mathematics. Students must be at least 18 years of age by January of their first year in radiography courses. Enrollment in the professional phase of the radiography program is limited, with priority given to radiography science students who have completed Anatomy and Physiology courses (BIO 103 and 104), the mathematics elective, and Fundamentals of Physics (PHY 109).

Details regarding the acceptance procedure are available on the college website and may be obtained by contacting the Enrollment Services office or the Math, Science, Health Professions division.

Prior to enrollment in first semester radiography courses, students must obtain a physical examination to include immunizations and lab analyses from a licensed practitioner, and complete a criminal background check. The American Registry of Radiologic

### Curriculum

Code	Course (lecture/lab/clinical days)	Credits
<b>PRE-PROFESSIONAL PHASE</b>		
BIO 103	Anatomy and Physiology I (3/3)	4
BIO 104	Anatomy and Physiology II (3/3)	4
ENG 101	English Composition I (3/0) <sup>1</sup>	3
ENG 112	English Composition II with Speech (3/0)	3
HPE 110	Concepts of Health and Fitness (1/2)†	2
MAT —	Mathematics elective <sup>2</sup>	3-4
— —	Social Science general education elective <sup>3</sup>	3
— —	General Education elective <sup>4</sup>	3
<b>PROFESSIONAL PHASE</b>		
RAD 107	Introduction to Radiography (1/0)	1
RAD 119	Principles of Imaging Science I (2/0)	2
RAD 127	Radiographic Procedures I (3/3/24 days)	6
RAD 114	Radiation Protection (2/0)	2
RAD 120	Principles of Imaging Science II (2/2)	3
RAD 128	Radiographic Procedures II (2/3/28 days)	6
RAD 206	Clinical Practicum (0/0/42 days)	3
RAD 216	Advanced Imaging Modalities and Special Procedures (3/0)	3
RAD 228	Radiographic Procedures III (2/3/42 days)	7
RAD 220	Quality Assurance and Radiography Seminar (3/2)	4
RAD 224	Introduction to Pathology (2/0)	2
RAD 240	Advanced Clinical Experience I (0/0/42 days)	3
RAD 242	Advanced Clinical Experience II (0/0/28 days)	2
		<b>69-70</b>

NOTE: RAD 127, 128, and 227 require 15-30 minutes each week for competency testing in the laboratory.

<sup>1</sup> ENG 102 is an acceptable alternative when combined with CMN 111 or 112.

<sup>2</sup> Select from MAT 135, 200, or approved alternative.

<sup>3</sup> PSY 101 or SOC 101 recommended; or select from approved Psychology or Sociology alternatives.

<sup>4</sup> Select PHI 204 or 205, or course from Diversity and Global Perspective general education category.

†HPE 111 is an acceptable alternative.

NOTE: Students must earn a minimum grade of C in BIO 103 and 104, MAT, and all RAD courses.

Technologists has the right to determine eligibility for certification with regard to misdemeanor and felony convictions and violations of academic integrity. The New Jersey Radiologic Board of Examiners has the right to determine eligibility for licensure. For additional information, contact the Radiography program coordinator.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or [www.mccc.edu/programs\\_degree](http://www.mccc.edu/programs_degree)