Radiography

Associate In Applied Science Degree

Radiography is a day program; there are no evening Radiography courses offered. A new Radiography class is selected for each Fall Semester.

Radiologic technologists are the medical personnel who perform diagnostic imaging examinations. There are numerous disciplines and specialties within the radiologic science profession, most of which use ionizing radiation to accomplish the task of health care delivery. Radiologic technologists may specialize in a specific area, such as computed tomography, mammography, MRI, medical dosimetry, nuclear medicine, diagnostic medical sonography, cardiovascular-interventional technology, radiation therapy and diagnostic radiography.

As a radiologic technologist you may be employed in the Radiology department of a hospital/medical center or outpatient imaging facilities. The present salary range in the Morris County area is between $58,000.00 to $63,000.00 for an entry level diagnostic radiographer. The program has transfer agreements with Saint Elizabeth College in Madison, NJ. Many graduates have gone on to Rutgers University to earn a Bachelor in Science in Radiologic Imaging Modalities.

The program offered at County College of Morris (CCM) is diagnostic radiography. Upon graduating from the program the student would earn their Associate in Applied Science (AAS) degree and be prepared to be an entry-level diagnostic radiographer.

The AAS degree in Radiography is designed to provide students with the knowledge and skills to enter the field of radiography. The curriculum includes a general education foundation and 45 credits in courses pertinent to the development of competency in diagnostic radiography.
Program Mission
The Radiography program seeks to provide each student with the didactic, laboratory and clinical education to become a qualified entry-level radiologic technologist. The program provides each student the opportunity to develop technical skills, enhance critical thinking and strengthen interpersonal behavior through educational activities. The program will provide an environment which will be conducive to learning, stimulate self-development and foster an appreciation of and commitment to the profession.

Program Goals and Student Learning Outcomes
The professional development of the student is enhanced through didactic, laboratory and clinical experience by producing:

1. Graduates who are competent entry-level radiologic technologists.
   • Students will demonstrate comprehensive knowledge of radiographic positioning and procedures.
   • Students will demonstrate knowledge of the practice of radiation protection.

2. Graduates who will practice effective communications skills.
   • Students will demonstrate written communication skills.
   • Students will demonstrate oral communication skills.

3. Graduates who will demonstrate critical thinking and problem solving skills.
   • Students will apply problem solving and critical thinking skills as a member of the health care team.
   • Students will apply sound judgment when performing radiographs on trauma and pediatric patients.

4. Graduates who demonstrate professional and ethical behavior.
   • Students will conduct themselves in a professional/ethical manner in the healthcare setting.
   • Students will work as effective members of the healthcare team.

Pre-Professional Phase
This phase is for students who are currently not enrolled in or eligible for admission into the professional Radiography courses phase. Students in this phase can take all of the general education and speech fundamentals required for the Radiography major. They can study full- or part-time and in the day or evening. In addition, summer courses can also be taken. Admission into the professional phase is not guaranteed once pre-professional course work is completed.

Professional Phase
Interested applicants must attend one of the eight mandatory information sessions. The information sessions are held once a month from June until February. Candidates may obtain the date of the information session by calling the Allied Health Department, located in Cohen Hall, Room 300, by calling 973-328-5144. The information session dates are also on the program’s webpage. The information session will provide the candidate with the program’s check sheet, program application and brochure. There is a two-part application process which will be explained at the information session. The deadline for program applications is March 1. Candidates must be accepted for admission to the college before the program application can be filed.

Admission into the Professional Phase
Acceptance into the professional phase is competitive. A student’s GPA must be 2.5 or greater. The granting of a seat is based on the number of courses completed, the grades received, and the overall GPA at the time the candidate applies to the program.
Applicants are ranked according to grades achieved in the required pre-professional courses. Values are assigned to grades achieved utilizing a point system. Science grades are weighted more heavily than non-science courses. All science courses must have been taken within seven years. Grades for all pre-requisite courses must be C or better. Students who have taken science courses prior to the seven-year cutoff must prove competency by testing provided at CCM or retake the course.

All students accepted into the professional (radiography courses) phase of the program must undergo an annual criminal history background check and urine drug screening, annual flu vaccine, obtain malpractice insurance at their own expense, obtain health clearance and be certified in CPR by the American Heart Association. In addition, students in the professional phase of the program are required to carry personal health insurance that provides coverage for accidents and sickness.

A statewide criminal record search through the New Jersey State Police and a National Criminal History Database Search is performed on all students upon initial acceptance into the professional phase of the program and annually thereafter. If a record is found as a result of the criminal record searches, admission into the professional phase of the program maybe denied. If there is no record upon admission but subsequent searches result in a record found, the student may be immediately dismissed from the program.

A urine drug screening is performed on all students upon initial acceptance into the professional phase of the program. If the test is positive for illegal substances, admission into the professional phase of the program is denied. In addition, illegal use of prescribed substances will result in denial of admission into the professional phase of the program.

All Radiography students are required to wear the CCM radiography uniform when in the clinical setting. Uniforms are obtained at the student’s expense.

When a graduation candidate applies for eligibility for American Registry of Radiologic Technologists (ARRT) certification, this includes requirements in three important areas: ethics, education and examination. The ARRT Rules of Ethics are standards of minimally acceptable professional conduct for all registered technologists and candidates. The rules are intended to promote the protection, safety and comfort of patients. Registered technologists and candidates engaging in any of the conduct of activities noted in the rules of ethics or who permit the occurrence of such conduct have violated the rules of ethics and are subject to sanctions. If you’re concerned about whether your conviction record will affect eligibility, you can find out before even beginning an educational program. Contact the ARRT at 651-687-0048, ext. 8580 or their website at www.arrt.org/handbooklinks.

**Transfer Students**

Students seeking to transfer credits in from another institution must first apply as a student to the college. Students should indicate Radiography as a major. Transcripts should be sent to the Office of Records and Registration for evaluation.

**Accreditation**

The Radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182; 312-704-5300, and the State of New Jersey Department of Environmental Protection – Radiologic Technology Board of Examiners (Board), P.O. Box 415, Trenton, NJ 08625; 609-984-5890.

The JRCERT publishes guidelines that a radiography program must meet in order to be accredited. In order to be awarded and maintain accreditation status, the program must be in compliance with these guidelines. Since January 1, 2014, the Standards and Guidelines of an Accredited Educational Program for the Radiographers have been the guidelines utilized for accreditation.

**Financial Assistance**

CCM recognizes that the responsibility of paying for college expenses can be difficult for many families. In keeping with CCM’s mission, the college tries to provide financial assistance to students who would otherwise be unable to

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attend college. Financial aid is available in the form of scholarships, loans, grants and part-time employment.

For information about financial assistance, contact the Office of Financial Aid located in the Student Community Center, Room 210. They can also be reached by phone at 973-328-5230 or through email at finaid@ccm.edu. The Office of Financial Aid hours of operation are Monday and Thursday from 8:30 a.m. to 6:30 p.m. and Tuesday, Wednesday and Friday from 8:30 a.m. to 4:30 p.m.

Tuition Waiver Program

Currently, the college will accept and process these waivers from students matriculated in any of our academic programs with the exception of Nursing, Radiography and Respiratory Therapy.

These programs require more than two years to complete and/or they are restricted in terms of the number of students able to enroll in them. Therefore, we need to ensure that tuition paying students have access to them at all times.

Any student who wishes to pursue completion of any of these programs who would normally be able to use a tuition waiver needs to understand that we will not accept their waiver. Rather, they should complete the financial aid process to see if they are eligible for federal, state or institutional financial assistance, or they must pay out-of-pocket.

Title IX, Section 504 and Americans with Disabilities Act Compliance

In accordance with the policies underlying Section 504 of the Rehabilitation Act of 1973, the American with Disabilities Act (ADA) of 1990, the ADA Amended Acts (ADAA) of 2010 and County College of Morris policy, no qualified individual with a disability shall, solely on the basis of that disability, be excluded from participation to County College of Morris programs or activities. Upon admission, a candidate who discloses a disability may be asked to provide documentation of that disability. The Radiography Program at the County College of Morris will provide reasonable accommodations to a qualified individual with a disability through support of Accessibility Services. County College of Morris is not required to provide academic adjustments that would lower academic standards, fundamentally alter the nature of the program or impose an undue burden on the college. Students can provide appropriate documentation to Accessibility Services directly to qualify for reasonable accommodations. Student should contact Accessibility Services at 973-328-5284 or aso@ccm.edu. Students should not submit documentation to any other program administrator for review. Reasonable accommodations for the academic environment and the clinical environment are administered through two separate and distinct processes in collaboration with Accessibility Services, the Radiography Department and the individual student.

Curriculum

General Education Foundation (20 CR)

| Communication (6 CR)          | 3          |
| English Composition I         | 3          |
| English Composition II        | 3          |

Math-Science-Technology (3 CR)

| Computer Concepts with Applications | 3 |

Social Science Or Humanities (3 CR)

| General Psychology             | 3 |

General Education Electives (8 CR)

| Anatomy and Physiology I       | 4 |
| Anatomy and Physiology II      | 4 |

Total General Education Credits  20

Radiography Core (47 CR)

| Speech Fundamentals            | 3 |
| Introduction to Radiography    | 2 |
| Principles of Radiography I    | 4 |
| Radiography Clinical Practice I| 1 |
| Math for Radiographers         | 1 |
| Radiation Biology and Physics  | 3 |
| Principles of Radiography II   | 4 |
| Radiography Clinical Practice II| 2 |
| Intermediate Clinical Practice | 3 |
| Pathology for Radiography      | 2 |
| Principles of Radiography III  | 4 |
| Radiologic Special Imaging     | 3 |
| Radiographic Exposure          | 3 |
| Radiography Clinical Practice III| 2 |
| Principles of Radiography IV   | 4 |
| Advanced Imaging               | 2 |
| Radiography Clinical Practice IV| 2 |
| Advanced Clinical Practice     | 3 |

Total Core Credits  48

Total Program Credits  68

Note: You must see a faculty advisor to plan your sequence of courses. For the most up-to-date listing of courses, see the Curriculum Checklist for this program on the CCM website at https://www.ccm.edu/student-life/campus-services/academic-advisement/curriculum-checksheets/.