

ASSOCIATE OF APPLIED SCIENCE - RADIOLOGIC TECHNOLOGY

Mission

The mission of TMCC's Radiologic Technology Program is to provide general and basic science education, combined with a sound foundation in the theory and art of Radiologic Technology to meet the educational needs of the students. This is evidenced by a competency-based program employing various teaching methodologies and technologies delivered through quality instruction. Graduates will have the knowledge and skills necessary to successfully take the American Registry of Radiologic Technologist's Examination for Radiographers and become a member of the health care team. Once selected for the Program, students complete 21 months of educational experiences. As part of the curriculum (<http://catalog.tmcc.edu/degrees-certificates/programs/radiologic-technology>), students spend 1,680 hours in clinical education experiences conducted in cooperation with departments of radiology in Reno, Sparks and Carson City.

Accreditation

Truckee Meadows Community College is fully accredited (<http://www.tmcc.edu/accreditation>) by Northwestern Commission on Colleges and Universities (NWCCU) and the Joint Review Committee on Education in Radiologic Technology (JRCERT) pending. NWCCU is an institutional accrediting body recognized by the Council for Higher Education Accreditation and the United States Department of Education (USDE). The JRCERT is a programmatic accrediting body recognized by the USDE to accredit radiography programs. Both accrediting agencies are acceptable to the American Registry of Radiologic Technologists (ARRT) which allows students to sit for the national certification examination in radiography.

Degree Outcomes

Students completing the degree will:

- Demonstrate clinical competence in diagnostic radiographic examinations.
- Be prepared to take the American Registry of Radiologic Technologists (ARRT) examination for radiographers.
- Demonstrate proficiency in radiation protection, equipment operation and quality control, image acquisition and evaluation, image procedures, and patient care and education.

Radiologic Technology Program Information

The mission of the Radiologic Technology Program is to provide general and basic science education, combined with a sound foundation in the theory and art of radiologic technology to meet the educational goals of the students. This is evidenced by a competency-based program employing various teaching methodologies and technologies. The graduates will have the knowledge and skills necessary to successfully take the American Registry of Radiologic Technologists Examination for Radiographers and become a member of the health care team. Once selected for the program, the students complete 21 months of educational experiences. Students are provided with 1,680 hours

of clinical education experiences conducted in cooperation with departments of radiology in Reno, Sparks and Carson City.

Please note: Graduates from TMCC's Radiologic Technology Program are eligible to apply for and take the American Registry of Radiologic Technologists (ARRT) Examination for Radiographers. The ARRT is the only organization granting permission to take the examination. Persons with prior felony or misdemeanor convictions may be admitted to the program but may be prohibited by the ARRT from taking the examination. The ARRT will conduct a pre-application review to determine the impact of a conviction on eligibility. Pre-application Review Forms may be requested from the Department of Regulatory Services at the ARRT office, 651-687-0048.

Background Check and Drug Testing

The hospitals associated with the program require a background check and drug testing to insure the safety of the patients treated by program students. Students selected for the program will be required to comply prior to starting the program (instructions to be provided by the program coordinator after being selected for admission to the Radiologic Technology Program).

Admission to the Radiologic Technology Program

The Radiologic Technology Program begins each fall semester. Admission to the program is limited and requires specific admission procedures. Students are selected by means of a formal program application and the calculation of assigned points. Applicants must be at least 17 years old.

Program Application Process

Complete the following:

- Submit an application for admission to the College.
- Have completed the following courses with a grade of "C" or better.

MATH 120	Fundamentals of College Mathematics (or higher)	3
ENG 101	Composition I	3
RAD 101	Exploration of Radiology ¹	0.5
BIOL 223 & BIOL 224	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	8

¹ Must have been completed in the past five years with no more than two attempts including Audits and Withdrawals

- Document completion of Certified Nursing Assistant Training (CNA)
- Submit official transcripts of all previous college education to records office.
- Have a minimum grade point average of 2.7 in all coursework applying to the Associate of Applied Science Radiologic Technology Degree.
- Submit an official transcript showing proof of high school graduation or official results of high school equivalency to admissions and records (persons with a recognized degree exempt).
- Obtain the current Radiologic Technology Program Application.
- Submit the completed application in person, by mail, e-mail (radiologic@tmcc.edu), or fax to:

William N. Pennington Health Science Center
TMCC Radiologic Technology Program

18600 Wedge Parkway, Building B, Room 101
 Reno, NV 89511
 Fax: 775-850-4058

Application must be received by May 28th of the current year.

Selection to the Radiologic Technology Program will be based on information obtained from the admission requirements and the number of points the applicant receives. Eligible students will be numerically ranked according to total points. Points will be awarded for a previously completed degree, credentialed health occupation, completion of general education degree requirements, HESI score, prerequisite GPA, and support area. Admission will be offered to the applicants on the list with the highest points. The point system can be found at www.tmcc.edu/x-ray. In the event of applicants having an equal number of points, the students' HESI score will be used to break the tie. If the HESI score does not resolve the tie, lots will be drawn to decide selection. Selection to the Radiologic Technology Program is done on an annual basis. Applicants not selected must reapply for consideration the following year.

Acceptable Alternative Documentation for CNA

- Completion of EMT basic or higher course (Will no longer be acceptable for 2018-2019 applications)
- Completion of NON-ARRT RT
- Completion of a registered nursing program
- Completion of a paramedic program (Will no longer be acceptable for 2018-2019 applications)

Note: Equivalent courses from other accredited colleges are acceptable, but must be approved by TMCC. These courses must be documented through official transcripts on file with TMCC's records office before application to the program.

After Acceptance to the Program

After selection for admission, in response to a letter from the program coordinator, the student will provide documentation of the following prior to the first day of class:

- Evidence of current major medical insurance coverage.
- Evidence of two negative TB skin tests done within the past year within 3 months of each other (persons with prior positive TB test must see program coordinator).
- Evidence of required immunization status for hepatitis B, Varicella, MMR, TDAP or TD, and influenza vaccine.
- Evidence of a current Health Care Provider CPR card (preferably from the American Heart Association).
- Complete an Essentials Function form for Clinical Education.
- A background check (instructions to be provided by the program coordinator).
- A drug test (instructions to be provided by the program coordinator).

AAS degrees are generally non-transfer degrees that are designed for students to enter the workforce.

To earn an AAS degree, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 units within the college.
3. Satisfy General Education requirements for the AAS (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>).

4. Have no financial or library obligation to the college.

General Education Requirements

Diversity²		[3]
Recommended:		
Take a course that is also a Fine Arts/Social Science/Humanities		
Communications/English		6
Required:		
ENG 101	Composition I (prerequisite for the program)	
or ENG 113	Composition I for International Students	
Fine Arts/Humanities/Social Science		3
Recommended:		
Take a course that is also a Diversity		
Human Relations		3
Recommended:		
EPY 101	Educational, Career, and Personal Development	3
Mathematics		3
Required:		
MATH 120	Fundamentals of College Mathematics (or higher, and is a prerequisite for the program)	
Science		[3]
Required:		
BIOL 190	Introduction to Cell and Molecular Biology	3
BIOL 190L	Introduction to Cell and Molecular Biology Laboratory (required with BIOL 190 in General Education)	1
U.S. and Nevada Constitutions		3
Recommended:		
PSC 101	Introduction to American Politics	
Prerequisites²		
BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4
RAD 101	Exploration of Radiology	0.5
Degree Requirements		
RAD 103	Medical Ethics	1
RAD 110	Fundamentals of Clinical Radiography I	2
RAD 112	Patient Care and Medical Terminology	2
RAD 116	Radiography I	3
RAD 118	Radiology Physics and Circuitry	3
RAD 124	Radiographic Photo and Techniques	3
RAD 125	Clinical Radiography I	2
RAD 126	Radiography II	3
RAD 128	Imaging Equipment	3
RAD 220	Clinical Radiography II	3
RAD 230	Clinical Radiography III	3
RAD 236	Radiographic Contrast-Routine Exams	2
RAD 238	Radiation Safety and Protection	2
RAD 242	Radiography Quality Management	1
RAD 244	Diagnostic and Therapeutic Radiation	2
RAD 245	Clinical Radiography IV	3
RAD 247	Radiography Quality Control	1
RAD 259	Seminar in Radiography	2

HIT 180	Health Information Management (Take before entry into program or in first semester of program)	3
Total Units		77.5

² Course may also count toward degree requirements. Please consult with Academic Advisement.

³ A grade of "C" or better is required.

General education degree requirements may be taken prior to program or in the sequence listed below. A grade of "C" or better is required. All radiologic courses must be taken in the sequence listed.

Course	Title	Units
1st semester		
BIOL 190	Introduction to Cell and Molecular Biology ⁴	3
BIOL 190L	Introduction to Cell and Molecular Biology Laboratory ⁴	1
BIOL 223	Human Anatomy and Physiology I ⁴	4
BIOL 224	Human Anatomy and Physiology II ⁴	4
ENG 101	Composition I ⁴	3
	or ENG 113 or Composition I for International Students	
MATH 120	Fundamentals of College Mathematics (or higher) ⁴	3
RAD 101	Exploration of Radiology ⁴	0.5
Semester Total		18.5
2nd semester		
HIT 180	Health Information Management	3
RAD 103	Medical Ethics	1
RAD 110	Fundamentals of Clinical Radiography I	2
RAD 112	Patient Care and Medical Terminology	2
RAD 116	Radiography I	3
RAD 118	Radiology Physics and Circuitry	3
Semester Total		14
3rd semester		
RAD 124	Radiographic Photo and Techniques	3
RAD 125	Clinical Radiography I	2
RAD 126	Radiography II	3
RAD 128	Imaging Equipment	3
U.S. and Nevada Constitutions ⁶		3
Semester Total		14
4th semester		
RAD 220	Clinical Radiography II (Summer)	3
Semester Total		3
5th semester		
Communications/English ⁵		3
RAD 230	Clinical Radiography III	3
RAD 236	Radiographic Contrast-Routine Exams	2
RAD 238	Radiation Safety and Protection	2
RAD 244	Diagnostic and Therapeutic Radiation	2
RAD 247	Radiography Quality Control	1
Semester Total		13
6th semester		
Fine Arts/Humanities/Social Science (Take a course that is also a Diversity) ⁵		3

Human Relations ⁵		3
RAD 242	Radiography Quality Management	1
RAD 245	Clinical Radiography IV	3
RAD 259	Seminar in Radiography	2
Semester Total		12
Total Units		74.5

⁴ After completing prerequisites, students apply for admission to the Radiologic program.

⁵ See approved General Education list for the AAS Degree. (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>)

⁶ See program recommendations or requirements.