

# RADIOLOGIC TECHNOLOGY, BAS

**This program can be completed 100% online.**

## Program Description

The TMCC Radiologic Technology Bachelor of Applied Science will provide graduates with the knowledge and skills necessary to be a successful imaging leader and an active member of the healthcare team. The program recognizes the educational and professional experiences that registered imaging professionals possess and builds upon an already solid foundation. The BAS can be completed in 12 months and courses are offered in 8-week blocks.

## Recommended Course Schedule

| 1st semester                |  | Units      |
|-----------------------------|--|------------|
| RAD 430                     | Research Methods and Information Literacy    | 3          |
| RAD 310                     | Advanced Communication                       | 3          |
| RAD 312                     | Radiologic Technology Advanced Patient Care  | 3          |
| RAD 314                     | Health Care Delivery, Ethics and Medical Law | 3          |
| ENG 101                     | Composition I                                | 3          |
| or ENG 100                  | or Composition Enhanced                      |            |
|                             | or Composition I for International and       |            |
| or                          | Multilingual Students                        |            |
| ENG 113                     |  |            |
| <b>Semester Total</b>       |  | <b>15</b>  |
| 2nd semester                |  | Units      |
| RAD 320                     | Health Care Informatics                      | 3          |
| RAD 322                     | Leadership and Team Building                 | 3          |
| RAD 324                     | Educational Principles for Technologists     | 3          |
| RAD 412                     | Diversity and Cultural Competence            | 3          |
| ENG 102                     | Composition II                               | 3          |
| or ENG 114                  | or Composition II For International and      |            |
|                             | Multilingual Students                        |            |
| <b>Semester Total</b>       |  | <b>15</b>  |
| Electives                   |  | Units      |
| AAS courses                 |  | 75         |
| <b>Semester Total</b>       |  | <b>75</b>  |
| Summer                      |  | Units      |
| RAD 414                     | Health Care Compliance and Accreditation     | 3          |
| RAD 410                     | Advanced Quality Management                  | 3          |
| RAD 335                     | Forensic Radiology                           | 3          |
| RAD 416                     | Artificial Intelligence in Radiology         | 3          |
| Elective or ENG 102/ENG 114 |  | 3          |
| <b>Semester Total</b>       |  | <b>15</b>  |
| <b>Total Units</b>          |  | <b>120</b> |

## Special Admission Requirements

Admission to the BAS radiologic technology program is a separate process from admission to Truckee Meadows Community College. In order to be considered for admission, all students must meet the

requirements for formal admission to Truckee Meadows Community College.

Official associate degree program transcripts must be submitted.

All students applying for the BAS program must meet the following minimum criteria:

- An active ARRT or equivalent registry when coursework begins.
- Graduated with an Associate Degree in Radiologic Technology from a regionally accredited program.

Please visit the the Radiologic Technology website (<https://www.tmcc.edu/radiologic-technology/>) for specific admission advising.

## Program Requirements

To earn a Bachelor of Applied Science Degree students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Satisfy General Education requirements for Bachelor of Applied Science degree (<https://catalog.tmcc.edu/degrees-certificates/general-education/aas/>).
3. Complete 120 units in total.
  - 30 units of upper-division units must be completed at TMCC.
4. Have no financial or library obligation to the college.

| Code  | Title  | Units     |
|---|--|-----------|
| <b>General Education Requirements</b>             |  |           |
| <i>English</i>                                    |  | 3-6       |
| Must include                                      |  |           |
| ENG 102   | Composition II <sup>1</sup>                                |           |
| or ENG 114  | Composition II For International and Multilingual Students |           |
| <i>Fine Arts</i>                                  |  | 3         |
| <i>Humanities</i>                                 |  | 3         |
| <i>Mathematics</i>                                |  | 3         |
| Required:   |  |           |
| MATH 120  | Fundamentals of College Mathematics (or higher)            |           |
| <i>Science</i>                                    |  | 6         |
| Must include at least 1 lab course.               |  |           |
| <i>Social Science</i>                             |  | 3         |
| <b>ADDITIONAL COLLEGE REQUIREMENTS</b>            |  |           |
| <i>Diversity</i> <sup>2</sup>                     |  | (3)       |
| <i>U.S. and Nevada Constitutions</i> <sup>2</sup> |  | (3)       |
| <b>Lower level units from Associates Degrees</b>  |  | <b>60</b> |
| <b>Upper Division Requirements</b>                |  |           |
| RAD 310   | Advanced Communication                                     | 3         |
| RAD 312   | Radiologic Technology Advanced Patient Care                | 3         |
| RAD 314   | Health Care Delivery, Ethics and Medical Law               | 3         |
| RAD 320   | Health Care Informatics                                    | 3         |
| RAD 322   | Leadership and Team Building                               | 3         |
| RAD 324   | Educational Principles for Technologists                   | 3         |
| RAD 335   | Forensic Radiology   | 3         |
| RAD 410   | Advanced Quality Management                                | 3         |

|                    |   |            |
|--------------------|---|------------|
| RAD 412            | Diversity and Cultural Competence         | 3          |
| RAD 414            | Health Care Compliance and Accreditation  | 3          |
| RAD 416            | Artificial Intelligence in Radiology      | 3          |
| RAD 430            | Research Methods and Information Literacy | 3          |
| <b>Total Units</b> |   | <b>120</b> |

<sup>1</sup> If you place into ENG 102 (<http://catalog.tmcc.edu/search/?P=ENG%20102>) or ENG 114 (<http://catalog.tmcc.edu/search/?P=ENG%20114>), there are no additional units of English required for the BAS. Students must have a total of 120 units to complete the BAS degree.

<sup>2</sup> Courses used to satisfy the Diversity and the U.S. and Nevada Constitutions requirements may also apply to a General Education requirement or a degree requirement.

## Program Outcomes

Students completing the degree will:

PSLO 1. Analyze the advancement of the imaging profession including leadership and lifelong learning.

PSLO 2. Compare research findings from imaging and other healthcare disciplines to address community health concerns and examine evidence-based practice.

PSLO 3. Identify principles of leadership, management and continuous quality improvement to promote patient safety and equity across diverse populations.

PSLO 4. Evaluate information management, innovative technology, and systems to ensure continuous quality improvement.

PSLO 5. Examine principles of imaging to improve equitable health outcomes for individuals, families, groups, and communities.

PSLO 6. Exhibit effective inter-professional communication and collaboration to provide quality, ethical, holistic patient care.

PSLO 7. Integrate leadership skills and knowledge of the healthcare, financial, and regulatory systems to advance professional practice.