



**2018-2019 PROGRAM REQUIREMENTS**  
**Degree: Professional Certificate**  
**Program of Study: Computed Tomography**

**About This Major . . .**

The Professional Certificate in Computed Tomography is designed to prepare certified and registered radiologic technologists for post-primary certification and registration with the American Registry of Radiologic Technologists (ARRT) in computed tomography. Students must be registered with the ARRT in radiography, nuclear medicine technology (NMTCB also accepted) or radiation therapy and hold the minimum of an associate degree. Coursework from the certificate can be applied to the Bachelor of Applied Science in Radiologic Sciences.

All CMU professional certificate recipients are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning.

Upon completion of this program, students will be able to:

1. Combine academic theory with practitioner experience and skills (applied learning).
2. Develop critical thinking and problem solving skills that demonstrate a professional level of expertise in the radiologic sciences (critical thinking).
3. Promote value based behaviors for professional practice (critical thinking).

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a certificate. Some courses are critical to complete in specific semesters while others may be moved around. Meeting with an academic advisor is essential in planning courses and discussing the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended certificate.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a certificate and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their certificate requirements (for one semester certificates complete in the first week of class):

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL CERTIFICATE REQUIREMENTS**

The following institutional requirements apply to all CMU professional certificates. Specific programs may have different requirements that must be met in addition to institutional requirements.

- Consists of 5-59 semester hours.
- Primarily 300-400 level courses.
- At least fifty percent of the credit hours must be taken at CMU.
- 2.00 cumulative GPA or higher in all CMU coursework.
- A grade lower than “C” will not be counted toward meeting the requirements.
- A course may only be used to fulfill one requirement for each degree/certificate.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed twenty-five percent of the semester credit hours required for a technical certificate.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Certificate Requirements.
- The Catalog Year determines which program sheet and certificate requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC CERTIFICATE REQUIREMENTS**

- 16 semester hours for the Professional Certificate in Computed Tomography.

**PROFESSIONAL CERTIFICATE: COMPUTED TOMOGRAPHY REQUIREMENTS** (16 semester hours, a grade of “C” or better is required in each course.)

- ☐ RADS 452 - Sectional Anatomy (3)
- ☐ RADS 461 - Principles of CT (2)
- ☐ RADS 471 - Applied CT (3)
- ☐ RADS 480 - Clinical Specialization I (4)
- ☐ RADS 490 - Clinical Specialization II (4)

### **SUGGESTED COURSE SEQUENCING**

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#### **First Semester, Spring Semester: 6 credits**

- RADS 461 - Principles of CT (2)
- RADS 480 - Clinical Specialization I (4)

#### **Second Semester, Fall Semester: 10 credits**

- RADS 452 - Sectional Anatomy (3)
  - RADS 471 - Applied CT (3)
  - RADS 490 - Clinical Specialization II (4)
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