Program Overview: Bachelor of Applied Science, Radiologic Technology

About This Major . . .

The Bachelor of Applied Science in Radiologic Technology combines the technical skills and patient care skills necessary for success in today's health care arena. A unique program, the BAS allows students who have already earned an associate of applied science degree to build upon their technical specialties with general education courses and junior and senior level radiologic science courses. This allows associate degree holders to gain a four-year degree in approximately four additional full-time semesters depending upon prior course work.

Prospective students not holding an associate of applied science degree can begin their college career at CMU in a chosen field of study with a two-year degree and then progress to a four-year degree using the BAS. This degree will provide students upward mobility in their area of employment as they move into specialty areas as well as supervision/management positions.

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

In addition to these campus-wide studentlearning outcomes, graduates of this major will be able to:

1. relate ethical principles to real-life problems in the radiologic sciences. (Specialized Knowledge)

2. combine academic theory with practitioner experience and skills. (Applied Learning)

3. apply quantitative analysis methods to develop appropriate conclusions. (Quantitative Fluency)

4. communicate effectively through written documents. (Communication Fluency)

5. develop critical thinking and problem solving skills that demonstrate a professional level of expertise in advanced specialty areas in the radiologic sciences**.** (Critical Thinking)

Program Highlights:

CMU is the only institution of higher learning in Colorado to offer a baccalaureate degree in radiologic technology. The online format provides flexibility for associate degree graduates who want to continue education while working. Additionally, the online format accommodates students from rural areas or those who are otherwise unable to access traditional classroom delivery.

The online BAS in Radiologic Technology prepares radiologic technologists with an associate degree to earn certification in at least one specialty area. So in addition to earning a baccalaureate degree, the graduate is prepared to take a certifying examination in:

- Computed Tomography
- Magnetic Resonance Imaging
- Mammography
- Vascular Interventional

Program Requirements

A student must follow CMU graduation requirements by completing 120 semester credit hours, including 40 credits of coursework at the 300+ level. See the "Undergraduate Graduation Requirements" in the catalog for additional graduation information. Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration. In general, CMU's programs of study are based on two curriculum groups:

1. Essential Learning

CMU's Essential Learning program provides the foundation of skills and information that cuts across all fields of study and the support for advanced concepts that students will later encounter in their majors. Before moving into work at the 300+ level, students complete the Maverick Milestone and its co-requirement, Essential Speech. This pair of courses is a capstone experience where students integrate what they have learned from their foundation courses by making connections among diverse areas of knowledge. The capstone is also an opportunity for students to work with disparate ideas, a critical skill expected of all CMU graduates that will aid them in solving the complex and unscripted problems they will encounter in their personal, professional, and civic lives.

2. What You Will Study in This Major. . .

Foundational Courses

These courses provide you with general preparation for more intense study in the health sciences:

- Human Anatomy and Physiology II with Lab
- Pathophysiology
- Probability and Statistics

Radiologic Technology Core Courses

These courses prepare you for higher-level concepts associated with the health sciences:

- Advanced Patient Care
- Quality Management
- Informatics in Radiologic Technology
- Research

You will select one area of specialization that includes opportunities for learning in the classroom and clinical practice:

- Computed Tomography
- Magnetic Resonance Imaging
- Mammography
- Vascular Interventional

Electives

Electives allow you to supplement or complement your education in the health sciences.

Popular electives include:

- Community Health
- Epidemiology
- Nursing topics courses

For more information about this major, go to: http://www.coloradomesa.edu/healthsciences/radtech.html or contact the Academic Department Head for Health Sciences, 170 Maverick Center, 970.248.1398.