2016-2017 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Radiologic Technology

About This Degree . . .

The Radiologic Technology Program at Colorado Mesa University includes classroom studies and clinical experience. Most of the classroom studies are during the fall and spring semesters of the first year of the program. Completing Essential Learning or required support courses before beginning the program does not decrease the length of the program. However, it does considerably decrease the semester credit hour load that will be necessary to graduate as proposed. Upon successful completion of the program, the student receives an Associate of Applied Science degree.

All classroom studies are conducted on the Colorado Mesa University campus. Clinical experience includes rotations at several clinical facilities throughout western Colorado. The structure of the Radiologic Technology Program requires the student to attend the eight week summer session between the first and second year of study. In addition, sometime during the second year, an eight week rotation in Delta, Montrose, Rifle, Glenwood Springs, or Rangely is required.

Following successful completion of the Radiologic Technology Program, and ethics and examination requirements, the graduate is eligible to sit for the national registry examination administered by the American Registry of Radiologic Technologists. A passing score on this examination results in the granting of a certificate of registration that allows the privilege to use the title "Registered Technologist" and to use the abbreviation R.T. following the graduate's name.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/career/whatmajor.html

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Utilize broad-based knowledge and skills to become competent entry-level radiographers. **(**Applied Learning; Specialized Knowledge**)**
2. Demonstrate value-based behaviors as the foundation for professional practice. (Specialized Knowledge**)**
3. Demonstrate proficiency in using mathematics for technique selection and radiation protection measures. (Intellectual Skills/Quantitative Fluency)
4. Demonstrate effective oral and written communication in the radiologic sciences. (Intellectual Skills/Communication Fluency)
5. Interpret analytical data to determine a course of action to solve problems. (Intellectual Skills/Critical Thinking)

NAME: _____ **STUDENT ID #:** _____

LOCAL ADDRESS AND PHONE NUMBER: _____

_____ **( )** _____

I, (Signature)_____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

_____ _____ 20_____
Signature of Advisor Date

_____ _____ 20_____
Signature of Department Head Date

_____ _____ 20_____
Signature of Registrar Date

DEGREE REQUIREMENTS:

- 77 semester hours total (A minimum of 15 of the final 30 semester hours of credit at CMU).
- 2.00 cumulative GPA or higher in all CMU coursework and in coursework toward major content.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

ESSENTIAL LEARNING REQUIREMENTS (Minimum 15 semester hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor's degrees) cannot be used as options for the below requirements.

Course No	Title	Sem.hrs	Grade	Term/Trns
Communication (6 semester hours)				
ENGL 111	English Composition	3	_____	_____
ENGL 112*	English Composition	3	_____	_____
Math (Minimum 3 semester hours)				
MATH 113*	College Algebra or higher	4	_____	_____
Social Sciences, Natural Science, Fine Arts, or Humanities (Minimum 6 semester hours) PSYC 150 recommended.				
_____	_____ _____	3	_____	_____
_____	_____ _____	3	_____	_____
WELLNESS REQUIREMENT (2 semester hours)				
KINE 100	Health and Wellness	1	_____	_____
KINA 1____	_____	1	_____	_____

Course No	Title	Sem.hrs	Grade	Term/Trns
Foundation Prerequisites Courses (4 semester hours)				
BIOL 209	Human Anat & Physiology	3	_____	_____
BIOL 209L	Human Anat & Physiology Lab	1	_____	_____

ASSOCIATE OF APPLIED SCIENCE IN RADIOLOGIC TECHNOLOGY COURSE REQUIREMENTS

(55 semester hours) These courses must be completed in sequence and may only be taken after acceptance in the Radiologic Technology Program.

Didactic Courses (27 semester hours)				
RTEC 120	Intro to Radiologic Technology and Patient Care	3	_____	_____
RTEC 121	Radiographic Anatomy and Positioning I	2	_____	_____
RTEC 121L	Radiographic Anatomy and Positioning I Lab	1	_____	_____
RTEC 122	Principles of Radiographic Exposure	2	_____	_____
RTEC 122L	Principles of Radiographic Exposure Lab	1	_____	_____
RTEC 123	Digital Imaging	2	_____	_____
RTEC 131	Radiographic Anatomy and Positioning II	2	_____	_____
RTEC 131L	Radiographic Anatomy and Positioning II Lab	1	_____	_____
RTEC 133	Imaging Equipment	2	_____	_____
RTEC 133L	Imaging Equipment Lab	1	_____	_____
RTEC 135	Radiation Biology & Protection	2	_____	_____
RTEC 251	Radiographic Pathology	3	_____	_____
RTEC 255	Radiographic Assessment I	1	_____	_____
RTEC 261	Radiographic Review	3	_____	_____
RTEC 265	Radiographic Assessment II	1	_____	_____
Clinical Courses (28 semester hours)				
RTEC 114	Radiographic Clinical Experience I	2	_____	_____
RTEC 124	Radiographic Clinical Experience II	4	_____	_____
RTEC 214	Radiographic Clinical Experience III	6	_____	_____
RTEC 224	Radiographic Clinical Experience IV	8	_____	_____
RTEC 234	Radiographic Clinical Experience V	8	_____	_____

*Required by this program

BIOL 209 and BIOL 209L (Must be successfully completed within a five year period prior to acceptance in the Radiologic Technology Program. If the student is enrolled at the time of application, acceptance into the program will be based upon successful completed of this course. Successful completion means achieving of grade of "C" or higher.)

Crosswalk between CMU and CCC Radiologic Technology curriculum

Community College RT Curriculum	Colorado Mesa University RT Curriculum
RTE 101, 111 (4 cr) Introduction to Radiography Radiographic Patient Care	**RTEC 120 (3 cr)** Introduction to Radiologic Technology and Patient Care
RTE 121 (3 cr) Radiologic Procedures I	**RTEC 121, 121L (3 cr)** Radiographic Anatomy and Positioning I Radiographic Anatomy and Positioning Lab I
RTE 122 (3 cr) Radiologic Procedures II	**RTEC 131, 131L (3 cr)** Radiographic Anatomy and Positioning II Radiographic Anatomy and Positioning Lab II
RTE 131 (1.5 cr) Radiographic Pathology and Image Eval I	**RTEC 251, 255, 265 (5cr)** Radiographic Pathology (3) Radiographic Assessment I (1) Radiographic Assessment II (1)
RTE 132 (1.5 cr) Radiographic Pathology and Image Eval II	**RTEC 251, 255, 265 (5cr)** Radiographic Pathology (3) Radiographic Assessment I (1) Radiographic Assessment II (1)
RTE 141 (3 CR) Radiographic Equipment/Imaging I	**RTEC 123 (2 cr)** Digital Imaging
RTE 142 (3 cr) Radiographic Equipment/Imaging II	**RTEC 122, 122L (3 cr)** Principles of Radiographic Exposure Principles of Radiographic Exposure lab **RTEC 133, 133 L (3 cr)** Imaging Equipment Imaging Equipment lab
RTE 221 (3 cr) Advanced Medical Imaging	**RTEC 131, 131L (3 cr)** Radiographic Anatomy and Positioning II Radiographic Anatomy and Positioning lab II
RTE 231 (2 cr) Radiation Biology and Protection	**RTEC 135 (2 cr)** Radiation Biology and Protection
RTE 289 (3 cr) Capstone	**RTEC 261 (3 cr)** Radiographic Review
RTE 181 (5 cr) Radiographic Internship I	**RTEC 114 (2 cr)** Radiographic Clinical Experience I
RTE 182 (5 cr) Radiographic Internship II	**RTEC 124 (4 cr)** Radiographic Clinical Experience II
RTE 183 (7 cr) Radiographic Internship III	**RTEC 214 (6 cr)** Radiographic Clinical Experience III
RTE 281 (8 cr) Radiographic Internship IV	**RTEC 224 (8 cr)** Radiographic Clinical Experience IV
RTE 282 (8 cr) Radiographic Internship V	**RTEC 234 (8 cr)** Radiographic Clinical Experience V

SUGGESTED COURSE SEQUENCING FOR A MAJOR IN RADIOLOGIC TECHNOLOGY

This is a recommended sequence of course work. Certain courses may only be offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the two year course matrix on the Colorado Mesa website for course availability.

FIRST YEAR

Fall Semester		Hours	Spring Semester		Hours
ENGL 111	English Composition	3	ENGL 112	English Composition	3
MATH 113	College Algebra or higher	4	ESSL		3
ESSL		3	BIOL 209	Human Anat & Physiology	3
KINE 100	Health and Wellness	1	BIOL 209L	Human Anat & Physiology Lab	1
KINA	Activity	1			10
		12			

SECOND YEAR

Fall Semester		Hours	Spring Semester		Hours
RTEC 114	Radiographic Clinical Experience I	2	RTEC 124	Rad. Clinical Experience II	4
RTEC 120	Intro to Rad. Tech. and Patient Care I	3	RTEC 131	Rad. Anatomy & Positioning II	2
RTEC 121	Radiographic Anatomy/Positioning I	2	RTEC 131L	Rad. Anatomy & Positioning II Lab	1
RTEC 121L	Anatomy/Position I Lab	1	RTEC 133	Imaging Equipment	2
RTEC 122	Principles of Radiographic Exposure I	2	RTEC 133L	Imaging Equipment Lab	1
RTEC 122L	Princ. Of Radiographic Exposure I Lab	1	RTEC 135	Radiation Biology and Protection	2
RTEC 123	Digital Imaging	2			12
		13			

THIRD YEAR

Summer Semester		Hours
RTEC 214	Clinical Experience III	6
		6

Fall Semester		Hours	Spring Semester		Hours
RTEC 224	Clinical Experience IV	8	RTEC 234	Clinical Experience IV	8
RTEC 251	Radiographic Pathology	3	RTEC 261	Radiographic Review	3
RTEC 255	Radiographic Assessment I	1	RTEC 265	Radiographic Assessment II	1
		12			12

POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.** You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).