



## 2008 – 09 PETITION/PROGRAM SHEET

**Degree: Associate of Applied Science**

**Major: Radiologic Technology**

**[www.mesastate.edu/schools/sbps/nars/RadTech/radtech.htm](http://www.mesastate.edu/schools/sbps/nars/RadTech/radtech.htm)**

### About This Degree . . .

The Radiologic Technology Program at Mesa State College is two years in length and 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 general education 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 Mesa State 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, or Glenwood Springs is required.

Following successful completion of the Radiologic Technology Program 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.

### POLICIES:

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. 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. 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.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. 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.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

**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 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.

\_\_\_\_\_  
Signature of Advisor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Department Head

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Registrar

\_\_\_\_\_  
Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

#### Degree Requirements:

- 2.00 cumulative GPA or higher in all MSC coursework and in coursework toward major content.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

#### **GENERAL EDUCATION REQUIREMENTS** (18 semester hours)

See the current Mesa State College catalog for a list of courses that fulfill the requirements below. If a course is on the general education 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 general education requirement.

Course No	Title	Sem.hrs	Grade	Term/Trns
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#### **English** (6 semester hours)

ENGL 111	English Composition	3		
ENGL 112	English Composition	3		

#### **Math** (4 semester hours)

MATH 113	College Algebra	4		
OR MATH 108	Technical Mathematics	4		

#### **Social and Behavioral Sciences, Humanities or Selected Speech**

**Courses** (6 semester hours) PSYC 150 recommended.

PSYC 150	General Psychology	3		
		3		

#### **Kinesiology** (2 semester hours)

KINE 100	Health and Wellness	1		
KINA 1		1		

#### **Prerequisites** (4 semester hours)

BIOL 209	Human Anat & Physiology	3		
BIOL 209L	Human Anat & Physiology Lab 1			

#### **PREREQUISITES** (4 Semester Hours, do not count toward program requirements)

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.)

Course No	Title	Sem.hrs	Grade	Term/Trns
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#### **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 125	Radiologic Science	2		
RTEC 131	Radiographic Anatomy and Positioning II	2		
RTEC 131L	Radiographic Anatomy and Positioning II Lab	1		
RTEC 132	Radiographic Equipment and Special Imaging	2		
RTEC 132L	Radiographic Equipment and Special Imaging 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		

### **Crosswalk between MSC and CCC Radiologic Technology curriculum**

#### **Community College RT Curriculum**

##### **RTE 101, 111 (4 cr)**

Introduction to Radiography  
Radiographic Patient Care

##### **RTE 121 (3 cr)**

Radiologic Procedures I

##### **RTE 122 (3 cr)**

Radiologic Procedures II

##### **RTE 131 (1.5 cr)**

Radiographic Pathology and Image Eval I

#### **Mesa State College RT Curriculum**

##### **RTEC 120 (3 cr)**

Introduction to Radiologic Technology  
and Patient Care

##### **RTEC 121, 121L (3 cr)**

Radiographic Anatomy and Positioning I  
Radiographic Anatomy and Positioning Lab I

##### **RTEC 131, 131L (3 cr)**

Radiographic Anatomy and Positioning II  
Radiographic Anatomy and Positioning Lab II

##### **RTEC 251, 255, 265 (6 cr)**

Radiographic Pathology (3)  
Radiographic Assessment I (1)

# Radiographic Assessment II (1)

## RTE 132 (1.5 cr)

Radiographic Pathology and Image Eval II

## RTE 141 (3 CR)

Radiographic Equipment/Imaging I

## RTE 142 (3 cr)

Radiographic Equipment/Imaging II

## RTE 221 (3 cr)

Advanced Medical Imaging

## RTE 231 (2 cr)

Radiation Biology and Protection

## RTE 289 (3 cr)

Capstone

## RTE 181 (5 cr)

Radiographic Internship I

## RTE 182 (5 cr)

Radiographic Internship II

## RTE 183 (7 cr)

Radiographic Internship III

## RTE 281 (8 cr)

Radiographic Internship IV

## RTE 282 (8 cr)

Radiographic Internship V

## RTEC 251, 255, 265 (6 cr)

Radiographic Pathology (3)

Radiographic Assessment I (1)

Radiographic Assessment II (1)

## RTEC 125

Radiologic Science

## RTEC 122, 122L (3 cr)

Principles of Radiographic Exposure

Principles of Radiographic Exposure lab

RTEC 132, 132 L (3 cr)

Radiographic Equipment and Special Imaging

Radiographic Equipment and Special Imaging lab

## RTEC 131, 131L (3 cr)

Radiographic Anatomy and Positioning II

Radiographic Anatomy and Positioning lab II

## RTEC 135 (2 cr)

Radiation Biology and Protection

## RTEC 261 (3 cr)

Radiographic Review

## RTEC 114 (2 cr)

Radiographic Clinical Experience I

## RTEC 124 (4 cr)

Radiographic Clinical Experience II

## RTEC 214 (6 cr)

Radiographic Clinical Experience III

## RTEC 224 (8 cr)

Radiographic Clinical Experience IV

## 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 have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Mesa State website for course availability.

### FRESHMAN YEAR

Fall Semester		Hours	Spring Semester		Hours
ENGL 111	English Composition	3	MATH 113	College Algebra	4
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 132	Rad. Equipment/Special Imaging	2
RTEC 122	Principles of Radiographic Exposure I	2	RTEC 132L	Equipment/ Special Imaging Lab	1
RTEC 122L	Princ. Of Radiographic Exposure I Lab	1	RTEC 135	Radiation Biology and Protection	2
RTEC 125	Radiologic Science	<u>2</u>	KINE 100	Health and Wellness	<u>1</u>
		16			17

### SOPHOMORE YEAR

Summer Semester		Hours			
General Education Social/Behavioral Science		3			
RTEC 214	Clinical Experience III	<u>6</u>			
		9			
Fall Semester		Hours	Spring Semester		Hours
ENGL 112	English Composition	3	General Education Social/Behavioral Science		3
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	<u>1</u>
KINA	Activity	<u>1</u>			15
		16			