

# **RADIOLOGIC TECHNOLOGY**

Scottsbluff Campus

## **AS.5122 (66-67 Credits)**

This emphasis area provides students interested in radiologic technology with the basic background academic courses necessary for entry into a specialized school of radiography. The program is designed so that courses taken are applicable to related programs.

### **Objectives**

- To provide an opportunity to become acquainted with the basic principles and laws which govern the physical world.
- To provide an opportunity to learn the structure and function of various parts of the human body.
- To attempt to instill in students a strong appreciation of these natural laws in the field of radiologic technology.
- To give students the opportunity to learn principles by which humans interact with each other.
- To give students the opportunity to receive an Associate of Science degree upon the completion of two years at Regional West Medical Center School of Radiologic Technology.

### **Notes**

- This emphasis area is designed in cooperation with Regional West Medical Center School of Radiologic Technology. Admittance to the radiologic program occurs after completion of the summer session and the first two semesters of academic study at Western Nebraska Community College and successful application has been made to the RWMC School of Radiologic Technology. No guarantee is made concerning the acceptance to the RWMC School. Students desiring this training should be aware that only 4 students are accepted each year.
- Students planning to transfer to a school of radiologic technology other than Regional West Medical Center are urged to contact the transfer school to determine if there are academic course requirements unique to that school.

- Upon the completion of the more advanced radiology courses and clinical rotations that will occur in the third year of the program conducted at Regional West Medical Center, the student will be awarded the Associate of Science degree. Not all of these courses are listed in the suggested curriculum.
- Students will need to be computer literate. This can be done either by enrolling in a computer literacy course or by transfer.
- Students must be ready to take Trigonometry. This can be done either by COMPASS/ASSET determination or by taking College Algebra.
- In order for students to be admitted to the Radiologic Technology Program and proceed through it in the timely manner listed, College Algebra, English Composition I and Speech Communications or Public Speaking must be satisfactorily completed before the first full semester of program enrollment.
- Similarly, to ensure proper advisement and appropriate enrollment, all prospective Radiologic Technology students must contact the Division Chair for Health Occupations & the Program Director of the School of Radiologic Technology at RWMC prior to enrolling in the program.

### **Suggested Curriculum**

<b>1st Sem, Course</b>	<b>Credit</b>
ENGL-1550 English Composition 2 .....	3
MATH-1210 Trigonometry.....	3
PHYS-1300 Physics 1.....	5
PHED-XXXX Physical Education .....	1
ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI - Social Science.....	3
<b>15 Credits</b>	

<b>2nd Sem, Course</b>	<b>Credit</b>
STAT-1100 Statistics .....	3
BIOS-1160 Human Anatomy and Physiology.....	4
INFO-1100 Microcomputer Applications.....	3
CHEM-1500 Introductory Chemistry .....	4
PHED-XXXX Physical Education .....	1
ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI - Social Science.....	3
<b>18 Credits</b>	

**The above semesters must be completed prior to application to RWMC.**

<b>3rd Sem, Course</b>	<b>Credit</b>
RADT-2260 Introduction to Radiologic Technology .....	2
RADT-1260 Medical Ethics .....	1
RADT-2280 Principles of Patient Care .....	2
RADT-2290 Radiographic Procedures 1 .....	3
RADT-2410 Radiation Physics 1 .....	1
RADT-2310 Health Physics 1 .....	1
RADT-2320 Radiographic Exposure 1 .....	1
HLTH-1060 Medical Terminology .....	2
RADT-1220 Prep for Radiation Physics .....	.5
RADT-2430 Film Processing .....	2
	<b>15.5 Credits</b>

<b>4th Sem, Course</b>	<b>Credit</b>
RADT-2330 Radiographic Procedures 2 .....	3
RADT-2420 Clinical Education Diagnostics 1 .....	6.5
RADT-2360 Clinical Education Special Procedures 1 .....	3
Any 3000 level Pathophysiology .....	3-4
	<b>15.5 - 16.5 Credits</b>

<b>5th Sem, Course</b>	<b>Credit</b>
RADT-2270 Advanced Patient Care .....	1
	<b>1 Credit</b>

**Additional courses are required to be taken in this semester at RWMC.**

<b>6th Sem, Course</b>	<b>Credit</b>
RADT-2370 Quality Assurance .....	1
	<b>1 Credit</b>

**Additional courses are required to be taken in this semester at RWMC.**