MEDICAL RADIOGRAPHY

Medical Radiography is a two-year or three-year program that integrates scientific concepts into working skills though classroom study and intensive clinical experience.

Eastern Maine Community College

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The **Medical Radiography** program concentrates on diagnostic radiology, including angiography and computerized tomography.

Medical radiographers are health professionals who combine technical knowledge with radiographic and anatomical knowledge to obtain diagnostic images of all parts of the human body.

Successful radiographers must have a good working knowledge of human anatomy, radiographic positioning, radiologic physics, equipment operation, and quality assurance.

EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/ engagement opportunities all for under $4,000/year

(most programs, based on 30 credit hours, in-state rate of $96 per credit hour)

Eastern Maine Community College

CAMPUS TOURS AVAILABLE
Call 207.974.4870 or schedule an appointment on our website.

www.emcc.edu/radiography

Prerequisites

AS Degree: High school level Algebra I, Algebra II, Geometry, Biology with Lab, and either Physics (preferred) or Chemistry with a lab.

Still in high school? Concurrent enrollment agreements with many high schools and technical education centers are available. Information can be found online at: www.emcc.edu/academics/programs/early-college/

MEDICAL RADIOGRAPHY

Associate in Science Degree

This program is offered in a 2-year or 3-year option. Below is the curriculum for the 2-year option.

1ST SEMESTER CREDITS

BIO-127 **Anatomy & Physiology I w/Lab** (4)
MAT-116 **College Algebra** (3)
MRT-111 **Radiographic Positioning I** (3)
MRT-117 **Radiologic Procedures I** (1)
MRT-121 **Principles of Radiographic Exposure I** (2)
MRT-131 **Medical Terminology** (1)
MRT-151 **Intro to Health Care** (2)
MRT-161 **Clinical Education I** (5)

2ND SEMESTER CREDITS

BIO-128 **Anatomy & Physiology II w/Lab** (4)
ENG-101 **College Composition** (3)
MRT-112 **Radiographic Positioning II** (3)
MRT-118 **Radiologic Procedures II** (1)
MRT-119 **Imaging Modalities** (1)
MRT-122 **Principles of Radiographic Exposure II** (2)
MRT-162 **Clinical Education II** (5)
MRT-164 **Advanced Clinical Education I*** (optional) (1)
Elective **Any PHI or PSY** (3)

SUMMER SEMESTER CREDITS

MRT-163 **Clinical Education III** (5)

3RD SEMESTER CREDITS

BIO-272 **Radiation Biology** (2)
MRT-211 **Radiographic Positioning III** (1)
MRT-251 **Advanced Health Care** (1)
MRT-255 **Pathology** (1)
MRT-267 **Clinical Education IV** (7)
SPE-101 **Oral Communication** (3)

4TH SEMESTER CREDITS

MRT-212 **Radiographic Positioning IV** (1)
MRT-222 **Principles of Imaging Physics** (1)
MRT-230 **Radiography Review & Career Planning** (optional) (1)
MRT-264 **Advanced Clinical Education V** (optional) (1)
MRT-270 **Clinical Education V** (7)
PHY-235 **Radiologic Physics** (3)
Elective **Any SOC/PSY** (3)

TOTAL AS DEGREE CREDITS 78-81

***required if no high school physics course**

LIVE ON CAMPUS

Did you know that EMCC has TWO residence halls on campus?

Built in 2007, Kineo Hall houses students in "blocks" (two double-occupancy rooms with four people of the same gender) or triple-occupancy rooms. Each is individually climate controlled and shares a common bathroom, with double sinks, a shower and a toilet stall.

Acadia Hall houses students in corridor-style double or triple occupancy rooms.

Rooms range from $1,850 - $2,250 per semester.

Studies show that students who live on campus not only tend to have higher GPA's, but they are also more likely to complete their education and get more out of their college experience.

Visit **www.emcc.edu/housing** to learn more!

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MEDICAL RADIOGRAPHY

Associate in Science Degree

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1ST SEMESTER CREDITS

BIO-127 **Anatomy & Physiology I w/Lab** (4)
ENG-101 **College Composition** (3)
MAT-116 **College Algebra** (3)
MRT-102 **Intro of Radiography** (1)
Elective **Any SOC/PSY** (3)

2ND SEMESTER CREDITS

BIO-128 **Anatomy & Physiology II w/Lab** (4)
MRT-131 **Medical Terminology** (1)
Elective **Any PHI or PSY** (3)
SPE-101 **Oral Communication** (3)
PHY-108 **Survey of Applied Physics*** (4)

3RD SEMESTER CREDITS

MRT-111 **Radiographic Positioning I** (3)
MRT-117 **Radiologic Procedures I** (1)
MRT-121 **Principles of Radiographic Exposure I** (2)
MRT-151 **Intro to Health Care** (2)
MRT-161 **Clinical Education I** (5)

4TH SEMESTER CREDITS

MRT-112 **Radiographic Positioning II** (3)
MRT-118 **Radiologic Procedures II** (1)
MRT-119 **Imaging Modalities** (1)
MRT-122 **Principles of Radiographic Exposure II** (2)
MRT-162 **Clinical Education II** (5)
MRT-164 **Advanced Clinical Education I*** (optional) (1)

SUMMER SEMESTER CREDITS

MRT-163 **Clinical Education III** (5)

5TH SEMESTER CREDITS

BIO-272 **Radiation Biology** (2)
MRT-211 **Radiographic Positioning III** (1)
MRT-251 **Advanced Health Care** (1)
MRT-255 **Pathology** (1)
MRT-267 **Clinical Education IV** (7)

6TH SEMESTER CREDITS

MRT-212 **Radiographic Positioning IV** (1)
MRT-222 **Principles of Imaging Physics** (1)
MRT-230 **Radiography Review & Career Planning**(optional) (1)
MRT-264 **Advanced Clinical Education V** (optional) (1)
MRT-270 **Clinical Education V** (7)
PHY-235 **Radiologic Physics** (3)

TOTAL AS DEGREE CREDITS 79-85

***required if no high school physics course**

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