Limited X-Ray Machine Operator Certificate

Total Credits: 30

Progression Plan

Pre-Entry Requirements: **HESI A-2 Entrance Exam** is required prior to consideration for placement into the Limited X-Ray Machine Operator Certificate. More information can be found at www.yc.edu/radiology

Spring Term 1 *4 credit hours*	Hours	Notes
2nd 8 weeks		
• BIO 160 Intro to Human Anatomy and Physiology **OR** BIO 201 Human Anatomy and Physiology I	4	**Prerequisite**: Reading Proficiency. Can be taken concurrently with the program. **Prerequisites**: BIO 156 or BIO 181
Term hours subtotal:	***4***	

Summer Term 1 *6 credit hours*	Hours	Notes
• RAD 100 Introduction to Medical Imaging	2	**Prerequisites:** Program Admission. BIO 160 (may be taken concurrently)
• RAD 101 Limited Radiographic Positioning I	3	**Prerequisites:** Program Admission. BIO 160 or BIO 201 (may be taken concurrently)
• RAD 105 Limited Radiographic Positioning Lab I	1	**Prerequisites:** Program Admission. BIO 160 or BIO 201.
Term hours subtotal:	***6***	

Fall Term 2 *12 credit hours*	Hours	Notes
• RAD 103 Limited Radiographic Positioning II	3	**Prerequisites**: RAD 101 and RAD 105.
• RAD 104 Limited Radiographic Positioning Lab II	2	**Prerequisites**: RAD 101 and RAD 105.
• RAD 158 Radiographic Image Production	2	
• RAD 161 Radiology Clinical Education I	3	
• RAD 170 Radiology Patient Care and Pharmacology	2	**Prerequisite:** Program Admission.
Term hours subtotal:	***12***	

Spring Term 2 *12 credit hours*	Hours	Notes
• RAD 135 Radiation Physics and Equipment	3	
• RAD 162 Radiology Clinical Education II	4	
1st 8 weeks		
• RAD 185 Radiographic Image Analysis	2	
2nd 8 weeks		
• RAD 175 Radiation Biology and Protection	2	
• RAD 115 Introduction to Bone Densitometry	1	
Term hours subtotal:	***12***	

This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum that may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.

Updated April 2026