

# RADIOLOGY INFORMATICS, Certificate - 3296

Health Careers Department

CIP Code: 51.2706

The Radiology Informatics certificate is primarily designed to meet the educational goals for students, currently working in medical imaging who wish to advance their careers in the area of Radiology Informatics. Students are taught computer, PACS interface and system analysis, project management and quality control, Digital Imaging and Communications in Medicine (DICOM) and Health Level 7 (HL7) messaging systems, and electronic health records (EHR). Students are able to design and implement a “PACS Plan” for an imaging department within a health care facility. The curriculum prepares them to function as Radiology Informatics professionals, as well as to pass the industry certification exams. This certificate may be completed entirely through asynchronous instruction.

## Career Opportunities

Graduates are prepared for entry-level employment as picture archive and communications system (PACS) or radiology information system (RIS) administrators.

## Competency Profile

This curriculum is designed to prepare students to:

- Function as an entry-level imaging informatics (PACS) administrator
- Demonstrate critical thinking and problem-solving skills
- Demonstrate professional behavior while functioning as an informatics specialist
- Demonstrate effective communication skills
- Demonstrate effective project management skills
- Apply imaging informatics legal and ethical standards in the professional environment.

## PROGRAM REQUIREMENTS (TOTAL CREDITS = 31)

General Education	Major Requirements	Other Required Courses
	RADI 100 Digital Imaging & Communications in Medicine	2
	RADI 101 Health Level 7	3
	RADI 102 RADI Regulations, Quality Control, & Security	3
	RADI 104 Intro to Radiologic Technology for RADI	4
	RADI 110 Radiology Basics for Informatics	4
	RADI 202 PACS Interface & Systems Analysis	4
	RADI 203 RADI Advanced Concepts in EHR	2
	RADI 204 Advanced Concepts Cardiology PACS	2.5
	RADI 205 RADI Project Management	4
	RADI 206 Advanced Concepts Business Analytics	2.5
		<b>31</b>

**Note:** Students must complete all RADI courses with a minimum grade of C to graduate.

## RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part time students can complete this program by taking one or more courses each semester.

Fall Semester I	Spring Semester I
RADI 100 2	RADI 202 4
RADI 101 3	RADI 203 2
RADI 102 3	RADI 204 2.5
RADI 104 4	RADI 205 4
RADI 110 4	RADI 206 2.5