

Course Information Form (CIF)

Course Code: XCT 215

Course Title: CT Clinical

Department: Allied Health

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 51.0907

Repeatability: 0

Credit Hours

Catalog Notation: 0-20-3

Credit Hour Distribution:

Lecture: 0

Lab: 0

Clinical: 20

Total: 3

General Course Information

Catalog Description

Students will perform CT imaging procedures based on previous coursework and clinical objectives.

General Course Objectives

Students will demonstrate knowledge and application of Computed Tomography imaging procedures in clinical practice.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	None

Prerequisites

ARRT primary certification

Admission into the Radiologic Technology program

Methods of Evaluation

2-4 clinical evaluations.

Instructional Materials and Additional Supplies

ARRT Clinical Experience Requirement for Computed Tomography

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Patient Assessment and Care	1. Identify procedure and patient identification. 2. Measure patient condition prior to, during, and after CT procedures.	0	0	20
Patient Education and History	1. Assemble patient history, including allergies. 2. Demonstrate knowledge of all CT exams. 3. Explain procedure to patient, including discharge with post-procedural instructions.	0	0	15
Patient Positioning	1. Demonstrate knowledge of anatomy and skill in patient positioning for all CT exams. 2. Perform CT exams of the head, neck, chest, spine, abdomen, pelvis, and musculoskeletal systems, including Quality Assurance, image display, and post-processing.	0	0	90
Imaging Technique, Exam Protocol, Display and Archiving, and Parameter Selection	1. Select appropriate protocol and technical factors for all CT exams. 2. Operate CT image display, image reconstruction, and archiving system. 3. Evaluate image quality, anatomic region, relevant pathology, and exam completion.	0	0	90
Contrast Administration and Documentation	1. Prepare and administer contrast media. 2. Perform standard precautions during procedures.	0	0	60
Post CT Exam Protocol	1. Inform the patient of any post CT exam procedures.	0	0	25

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
0	0	300