

MEDICAL IMAGING (CTMT)

CTMT 2332 Principles of Computed Tomography 3 Credits (3 Lec, 0 Lab)

This course is an in-depth coverage of computed tomography imaging techniques. Image quality assurance and radiation protection are emphasized.

Prerequisite(s): ARRT certification in radiography and acceptance into the program.

Course Type: Technical

CTMT 2336 Computed Tomography Equipment and Methodology 3 Credits (3 Lec, 0 Lab)

This course consists of: skill development in the operation of computed tomographic equipment, focusing on routine protocols, image quality, quality assurance, and radiation protection. Theory and application of computed tomographic equipment and the principles of patient imaging techniques utilizing the equipment are covered. Prerequisite or

Co-requisite(s): CTMT 2332 and CTMT 2360.

Course Type: Technical

CTMT 2360 Clinical 1 - Computed Tomography Technology/Technician 3 Credits (0 Lec, 9 Lab)

This is an advanced type of health professions work-based instruction that helps students synthesize new knowledge, apply previous knowledge, or gain experience managing the workflow. Practical experience is simultaneously related to theory. Close and/or direct supervision is provided by the clinical professional in a clinical setting.

Prerequisite(s): ARRT certification in radiography with program approval; Prerequisite or

Co-requisite(s): CTMT 2332

Course Type: Technical

CTMT 2361 Clinical 2 - Computed Tomography Technology/Technician 3 Credits (0 Lec, 12 Lab)

This is an advanced type of health professions work-based instruction that helps students synthesize new knowledge, apply previous knowledge, or gain experience managing the workflow. Practical experience is simultaneously related to theory. Close and/or direct supervision is provided by the clinical professional in clinical setting.

Prerequisite(s): ARRT certified with Instructor approval, and Prerequisite or

Co-requisite(s): CTMT 2336

Course Type: Technical

CTMT 2461 Clinical 2 - Computed Tomography Technology/Technician 4 Credits (0 Lec, 16 Lab)

This course is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Direct supervision is provided by the clinical professional.

Prerequisite or

Co-requisite(s): CTMT 2360 and CTMT 2336

Course Type: Technical