

COMPUTED TOMOGRAPHY IMAGING (CTI)

SPECIAL NOTE: For more information on ECC's advanced imaging programs, go to elgin.edu/medicalimaging.

A criminal background check and drug test MAY be required prior to enrollment.

CTI 100 CT Physical Principles I (3) 2,2

CT Physical Principles I introduces the student to physical principles and image acquisition parameters of computed tomography, surveys instrumentation and digital processing parameters, and discusses scanning techniques as applied to single and multi-slice spiral CT. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$517 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Acceptance in to the Computed Tomography Imaging program

Semester(s) Offered: Fall

CTI 101 CT Procedures I (3) 2,2

This course provides detailed coverage of procedures for CT imaging. Procedures include, but are not limited to, indications for the procedure, patient education, preparation, orientation and positioning, patient history and assessment, contrast media usage, scout image, selectable scan parameters, filming and archiving of the images. CT procedures will be taught for differentiation of specific structures, patient symptomology and pathology. CT images studied will be reviewed for quality, anatomy and pathology. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$517 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Acceptance in the Computed Tomography Program or consent of instructor

Semester(s) Offered: Fall

CTI 103 CT Clinical Practicum I (3) 0,15

In CT Clinical Practicum I content and clinical practice experiences should be designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated. Clinical practice experiences should be designed to provide patient care and assessment, competent performance of radiologic imaging and total quality management. Levels of competency and outcomes measurement ensure the well-being of the patient preparatory to, during and following the radiologic procedure. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$517 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Acceptance into the Computed Tomography Imaging program or consent of instructor

Semester(s) Offered: Fall

CTI 200 CT Physical Principles II (3) 2,2

CT Physical Principles II introduces the student to the principles of single slice, multi-slice and volume scanning computed tomography as they pertain to radiation dose in adults and pediatrics. It will also cover post-processing techniques, PET/CT, and quality control. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$517 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Grade of C or better in CTI 100 or consent of instructor

Semester(s) Offered: Spring

CTI 201 CT Procedures II (3) 2,2

Content provides detailed coverage of procedures for CT imaging. Procedures include, but are not limited to, indications for the procedure, patient education, preparation, orientation and positioning, patient history and assessment, contrast media usage, scout image, selectable scan parameters, filming and archiving of the images. CT procedures will be taught for differentiation of specific structures, patient symptomology and pathology. CT images studied will be reviewed for quality, anatomy and pathology. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$517 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Grade of C or better in CTI 101 or consent of the instructor

Semester(s) Offered: Spring

CTI 204 CT Clinical Practicum II (4) 0,20

In CT Clinical Practicum II content and clinical practice experiences should be designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated. A comprehensive "mock" registry will be given at the conclusion of the course. (1.2) Proficiency Credit Not Available Pass/No Credit Not Available

Radiography Program Information

SPECIAL NOTE: Students enrolled in this program are required to have the following: 1) criminal background check, 2) drug test, 3) physical exam, 4) lab tests to prove immunity to common illnesses, 5) TB test, 6) health insurance, 7) uniform, 8) social security card 9) Basic Life Support (BLS) Healthcare Provider CPR certification 10) fully vaccinated for COVID-19. .

In-District Tuition/Fees: \$655 (effective 2025/26 academic year)

In-district tuition rates are subject to change based on Board approval.

Prerequisite: Grade of C or better in CTI 103 or consent of instructor

Semester(s) Offered: Spring