

MAMMOGRAPHY (MAM)

SPECIAL NOTE: For more information on ECC's advanced imaging programs, go to [Medical Imaging](#).

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

MAM 101 Fundamentals of Breast Imaging (1) 1,0

This introductory course emphasizes the importance of patient care and education in the mammographic environment. Incidence and risk factors, signs and symptoms associated with breast cancer for the male and female patient are discussed. Tumor staging of breast cancers and treatment options for the patient with breast cancer are summarized including the surgical, nonsurgical, and reconstructive aspects for the patient. (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: \$135 (effective 2024/25 academic year)

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

Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall

MAM 102 Instrumentation and QA (2) 1,2

This course covers basic design of the mammography equipment and introduces the student to the role of technical components utilized in mammography and their affect on the mammographic image. Both analog and digital imaging equipment and the use of computer aided detection (CAD) are also discussed. The MQSA regulations and the various agencies that govern mammography including their purposes, processes, and frequency of inspection are included in this course, as well as the quality control testing required to maintain accreditation and the roles that technologists and the physicist play in performing these tests. (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: \$450 (effective 2024/25 academic year)

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

Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall

MAM 103 Breast Anatomy and Pathology (2) 2,0

Breast Anatomy and Pathology introduces the student to the basic terminology associated with the breast anatomy. Also defined are the aspects of the internal and external breast anatomy, cellular components and the TDL (Terminal Ductal Lobular Unit) identifying their role in the breast anatomy. The student is also introduced to breast imaging terminology associated with mammography, the role of the pathologist, and how breast pathology is correlated to breast cancer. (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: \$270 (effective 2024/25 academic year)

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

Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall

MAM 104 Breast Imaging Techniques (2) 1,2

Breast Imaging Techniques introduces the student to the technical factors that influence the mammographic image allows the student the opportunity to evaluate and critique mammographic images. Also discussed is the required labeling required for mammograms and the acceptable abbreviations. (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: \$360 (effective 2024/25 academic year)

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

Prerequisite: Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall

MAM 105 Breast Imaging Procedures (3) 2,2.5

This course introduces the standard views required for obtaining a mammogram, and any additional views and positioning techniques associated with obtaining the required images. The course also discusses special patient situations which the mammographer may encounter during the mammographic exam and offers the student the opportunity to apply critical thinking skills. The course will also define and discuss the differences between a screening and diagnostic mammogram. Alternative imaging options and diagnostic procedures associated with the breast will also be reviewed. (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: \$495 (effective 2024/25 academic year)

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

Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall

MAM 106 Mammography Clinical Practicum (3) 0,15

This course allows the student to apply the knowledge gained in the previous courses and practice positioning and quality control testing under the supervision of a registered mammographer in a clinical setting. This course also provides the opportunity to document clinical competence as required by the ARRT to apply for the advanced certification in mammography. (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: \$495 (effective 2024/25 academic year)

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

Prerequisite: Prerequisite: Acceptance into the Mammography program or consent of instructor

Semester(s) Offered: Fall