Cleveland Clinic
School of Health Professions

CLEVELAND CLINIC SCHOOL OF HEALTH PROFESSIONS CATALOG

ADDENDUM

Effective:
August 25, 2025

Cleveland Clinic School of Health Professions
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Clinical Pastoral Education Residency Course Information

CPE200F – CPE Residency Fall Unit ***Clock Hours: 400***

This Residency unit provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

CPE200S – CPE Residency Spring Unit ***Clock Hours: 400***

This Residency unit provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

CPE200I – CPE Residency Summer Unit ***Clock Hours: 400***

This Residency unit provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

Courses for the Clinical Pastoral Education Residency Program are newly created. The above information provides Course Descriptions for these new courses, as well as course numbers, course names, and clock hours that were not included in the originally published catalog effective August 1, 2025.

High School Diploma/Equivalency Policy

All students that enroll in a program, course, or area of study within the School of Health Professions are required to attest to having acquired a high school diploma or its equivalent (e.g. GED or demonstrated homeschool equivalent to a state-recognized high school education) on the student enrollment agreement. The student is required to name the high school, city and state of its location, and the year the diploma was issued. Applicants who do not possess a high school diploma must indicate the type of equivalent credential they hold and year it was obtained. The Office of the Registrar is responsible for verifying the secondary institution meets the standard of a state-accredited high school education or its equivalent.

Alternate review of homeschool:

***Required Documentation*:**

1. **Transcript**
    a. Course titles and descriptions
    b. Dates of instruction
    c. Credit hours and grades
    d. Graduation date
    e. Signed by the homeschool educator or administrator
2. **Verification of Compliance with State Law**
    a. Ohio applicants must submit written verification from the local school district excusing the student from compulsory attendance for home education.
    b. Out-of-state applicants must submit equivalent documentation per their state's homeschool regulations.
3. **Third-Party Validation (if applicable)**

a. Transcripts or grades from dual enrollment, online accredited programs, or community college courses
b. Letters of recommendation from tutors, instructors, or evaluators outside the family

The High School Diploma/Equivalency Policy was not included in the originally published catalog effective August 1, 2025.

Human Subjects for Educational Purposes Policy

For educational purposes only, students shall be permitted to scan staff sonographers, radiologists, fellow students, and volunteers, provided the subject has volunteered and executed the applicable Consent and Release.

Minors under the age of 18 may be used as human subjects to demonstrate anatomy and scanning techniques specific to pediatric patients. A parent or legal guardian must provide written consent prior to minor volunteers participating in scanning activities.

All students must sign a Consent and Release prior to being scanned. Under no circumstances should a student, sonographer, radiologist, or volunteer be coerced into volunteering. The scan subject shall volunteer of their own free will. A student's choice to volunteer or not shall not affect their grades or learning opportunities. Students are strictly prohibited from performing transvaginal, transrectal, breast or testicular scan on other students.

During student scan lab sessions all infection control guidelines must be followed at all times, including but not limited to hand washing, disinfection of probes and disinfection of equipment.

All persons volunteering to participate in an educational scan must be advised and confirm their understanding that there is a possibility that pathology may be found during the educational exam and that it would be in their best interest to contact their personal physician if something unusual is seen. They must also be advised and confirm their understanding that pathology may be present and may not be discovered during the educational practice sessions.

Students and all persons volunteering to participate in an educational scan must understand that there is a risk of ultrasound bioeffects, but if ultrasound used properly, the risk is minimal.

The Human Subjects for Educational Purposes Policy was not included in the originally published catalog effective August 1, 2025.

Advisory Board Member Updates

Advisory Board member lists that appear in program-specific sections previously outlined in the originally published catalog effective August 1, 2025 may not reflect the current Board members. Member lists will be omitted from the next SOHP Catalog.

Advisory Board member lists appear on the following pages in the originally published catalog effective August 1, 2025:

- *Pages 59-60*
- *Pages 75-76*
- *Page 91*
- *Pages 104-105*

- *Pages 115-116*
- *Pages 128-129*
- *Pages 140-141*
- *Pages 151-152*
- *Pages 163-164*
- *Pages 177-178*
- *Page 188*
- *Pages 202-204*
- *Pages 218-219*
- *Pages 229-230*
- *Pages 242-243*
- *Pages 258-259*

Clock Hours, Program Length, and Curriculum Outline Updates

Information in this section reflects updated clock hours and/or program lengths that are presented in the affected programs' Program Snapshots, Overviews, Curriculum Outlines, and Course Descriptions as previously outlined in the originally published catalog effective August 1, 2025. Additionally, information in this section reflects updated course numbers and titles that are presented in the curriculum outlines if applicable.

Beachwood Diagnostic Medical Sonography Program

Program Snapshot: Beachwood Diagnostic Medical Sonography	
Program Director	Angela Perry, BSAS, RDMS, RVT, RMSK
Location	CCAC – Building 2 25900 Science Park Drive Beachwood, OH 44122
Clock Hours	2306
Program Length	88 weeks / 21 months
Delivery Method	Residential
Total Cost (tuition + fees)	$15,750

Appears on page 57 in the originally published catalog effective August 1, 2025.

Curriculum Outline

DMS101B	Introduction to Sonography & Patient Care
DMS111B	Diagnostic Medical Sonography- Abdomen I
DMSL112B	Sonography Scanning Lab II
DMS112B	Diagnostic Medical Sonography- Abdomen II

The Curriculum Outline which appears on pages 69-70 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct course numbers and titles.

Course Descriptions

DMS101B - Introduction to Sonography & Patient Care ***Clock Hours: 32***

This course introduces the student to the world of diagnostic medical sonography and patient care. Topics will include the history and development of ultrasound, professional ethics specific to ultrasound, legal considerations, industry standards and OSHA guidelines, HIPPA, medical records, methods of infection control, proper scanning techniques, and ergonomics including sonographer best practices to reduce injury. In addition, it will cover patient assessment including age-related care and cultural competency, proper transport and transfer of patients with and without support equipment, taking vital signs, patient comfort and modesty, professional roles both in and out of the sonography department, and how to appropriately communicate with patients and department staff. There will be discussion of proper sterile techniques and procedures, personal protective equipment (PPE), and reporting and documenting incidents and/or adverse medication reactions, as well as discussion on hospital and departmental organization, and hospital and program affiliation.

Co-requisites: DMS111B, DMSL111, DPHY100

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program

DMS111B – Diagnostic Medical Sonography – Abdomen I ***Clock Hours: 72***

This course will introduce the body systems to the students. Topics such as anatomy, physiology, embryology, pathology, pharmacology, pathophysiology, and anatomical variants of the lymphatic system, aorta, inferior vena cava, kidneys, urinary bladder, retroperitoneal cavity, adrenal glands, liver, gallbladder, pancreas and spleen will be discussed. Introduction to sonographic terminology, relational anatomy, cross-sectional imaging, and the importance of sonographic image acquisition of normal and abnormal findings in conjunction with correlating between other modalities to confirm findings will also be discussed.

*There is a corresponding sonography scan lab with this course.

Co-requisites: DMS101B, DMSL111, DPHY100

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program

DMSL111 - Introduction to Sonography Scan Lab ***Clock Hours: 64***

Selected exercises designed to reinforce concepts covered in DMS 111.

This course is the beginning foundation for scanning and brings what the Abdominal I course teaches didactically into live and simulated practice in a real sonographic lab. Introduction to the ultrasound equipment and how to properly utilize multiple machines to achieve optimum image quality, while adhering to the ALARA principle, is essential to this course. Demonstration of proper patient positioning and technologist ergonomics will be emphasized. Guided instruction will be provided to the student in the art of rocking, tilting, sweeping, and holding the transducer to obtain the images needed will be provided. Multiple scanning techniques and exam protocols, along with the identification of general anatomy, image orientation, and common pathologies will also be covered.

Co-requisites: DMS101B, DMS111B, DPHY100

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program

DPHY100 - Ultrasound Physics & Instrumentation ***Clock Hours: 64***

This course is designed to present the physical and mathematical principles of diagnostic medical sonography to the students. Topics will include understanding the physical attributes of sound waves and how images are generated, attenuation, transducer construction and function, ultrasound instrumentation, multi-hertz frequency capabilities, dynamic range, signal processing, bioeffects, display modes, resolution, artifacts, hemodynamics, harmonics and contrast agents, emerging technology, research design, statistics, quality assurance, and Doppler principles.

Co-requisites: DMS101B, DMS111B, DMSL111

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program

DMS112B – Diagnostic Medical Sonography- Abdomen II ***Clock Hours: 64***

This course details the anatomy, physiology, embryology, pathophysiology, pathology, pharmacology, and anatomical variants of the thyroid and parathyroid glands, male reproductive system, salivary glands, gastrointestinal tract, peritoneal and pleural spaces, breast, extremity non-vascular, musculoskeletal, and neonatal sonography including the hips, spine, and head. Discussion of the sonographer's role in procedures, contrast imaging, elastography (ARFI), shear wave imaging, and the importance of correlation between modalities will be included.

*There is a corresponding sonography scanning lab with this course.

Co-requisites: DMS102B, DMSL102, DCL102

Pre-requisite: DMS111B/DMSL111

DMSL112B - Sonography Scanning Lab II ***Clock Hours: 48***

In this scanning lab, skills will be taught and developed to perform optimal sonographic examinations of the abdominal organs, to include the thyroid, male reproductive, the gastrointestinal tract, abdominal wall, peritoneum, pleural space, non-vascular extremity, musculoskeletal, and neonatal and pediatric exams. Continued proficiency on aorta, liver, pancreas, gallbladder, kidneys and spleen will also be included. There will be additional training on the ultrasound equipment to master knobology and achieve optimal image quality, while still adhering to the ALARA principle. Demonstration of proper patient positioning and technologist ergonomics will continue to be enforced. Knowledge and discussion of proper exam protocols and patient preparations will be taught, along with examples of scanning techniques to aid in the identification of general anatomy, image orientation, and common pathologies. Lab work will also include simulation-based classwork through SonoSim.

Co-requisites: DMS102B, DMSL102, DCL102, DMS112B

Pre-requisite: DMS111B/DMSL111

DMS102B - Gynecology and Introduction to Obstetrics ***Clock Hours: 72***

The course details the anatomy, physiology, embryology, pathophysiology, pathology, pharmacology, and anatomical variants during all stages of the female reproductive system, including gynecological disease processes, infertility monitoring, and the developing fetus throughout the first trimester of pregnancy and the important role that sonography plays in fetal diagnosis and treatment. Topics will include fetal biometry and the importance of obstetrical measurements throughout pregnancy, as well as fetal and maternal well-being. Medical and surgical interventions, procedures, and the importance of comparative imaging with other modalities will also be discussed. This class will discuss different sonographic approaches and techniques based on standards of care and ethical guidelines. Proper patient preparation, exam protocols, general anatomy, image orientation and common pathologies will also be addressed. Lab work will include live scanning as well as simulation-based classwork through SonoSim.

*There is a corresponding scanning lab with this course.

Co-requisites: DMS112B, DMSL112, DCL102, DMSL102

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program & DMSL111

DMSL102 - Sonography Scanning Lab III ***Clock Hours: 48***

Selected exercises designed to reinforce concepts covered in DMS102B.

This scan lab will give students hands-on scanning obstetric and gynecological ultrasound examinations. There will be additional training on the ultrasound equipment to master knobology and achieve optimal image quality, while still adhering to the ALARA principle. Demonstration of proper patient positioning and technologist ergonomics will continue to be enforced. Knowledge and discussion of proper exam protocols and patient preparations will be taught, along with examples of scanning techniques to aid in the identification of general anatomy, image orientation, and common pathologies. Lab work will also include simulation-based classwork through Sono Sim.

Co-requisites: DMS112B, DMSL112, DCL102, DMS102B

Pre-requisite: Admission to Beachwood Diagnostic Medical Sonography Program & DMSL111

DCL102 - Clinical Experience I ***Clock Hours: 304***

Direct, supervised sessions in the clinical setting that will emphasize development of the practical application of direct and indirect patient care, department workflow and sonographic scanning, as taught in the scanning lab. These applications will have emphasis on knobology, equipment orientation, proper scanning positions and planes, and general patient care. Introductory scanning on patients will include the liver, gallbladder, pancreas, kidneys, urinary bladder, adrenal glands, spleen, aorta, inferior vena cava, thyroid, and neck, and OB/GYN exams. Students will need to successfully complete all the assigned clinical competency examinations while supervised by a registered diagnostic medical sonographer at the assigned clinical site.

Co-requisites: DMS112B, DMSL112. DMS102B, DMSL102

Pre-requisite: Successful completion of Beachwood Diagnostic Medical Sonography Program Term 1

Clinicals: 1st 7 weeks 2 days/week (8 hours daily)
2nd 8 weeks 3 days/week (8 hours daily)

ETH101 - Healthcare Ethics and Law ***Clock Hours: 24***

This course is designed to provide the student with a fundamental background in healthcare ethics and law. The historical and philosophical basis of ethics as well as the elements of ethical behavior are also discussed. The student will examine a variety of ethical issues and dilemmas that may occur in clinical practice. An introduction to legal terminology, concepts and principles of law will also be presented. Topics include misconduct, malpractice, unintentional and intentional torts, HIPPA standards and compliance, legal and professional standards, the ASRT/ARDMS scope of practice. The importance of proper documentation and informed consent will be emphasized.

Co-requisites: DMS103B, DMSL103, DMS200, DCL103

Pre-requisite: Successful completion of Beachwood Diagnostic Medical Sonography Program Term 2

DMS103B – Advanced Obstetrics ***Clock Hours: 54***

This course details the anatomy, physiology, embryology, pathophysiology and anatomical variants of normal and common pathologic conditions of the second and third trimesters of pregnancy. The course will cover congenital and chromosomal abnormalities of each of the developing systems, risks of multiple gestations, and maternal disease processes and their impact on pregnancy. Correlation with ultrasound guided perinatal procedures, genetic testing, and medical and surgical interventions are also included. Proper patient preparation, exam protocols, general anatomy, image orientation and common pathologies will also be addressed. Lab work will include live scanning as well as simulation-based classwork through SonoSim.

*There is a corresponding sonography scan lab with this course.

Co-requisites: ETH101, DMS200, DCL103, DMSL103

Pre-requisite: DMS102B/DMSL102

DMSL103 - Sonography Scanning Lab IV ***Clock Hours: 36***

This course details the anatomy, physiology, embryology, pathophysiology and anatomical variants of normal and common pathologic conditions of the second and third trimesters of pregnancy. The course will cover congenital and chromosomal abnormalities of each of the developing systems, risks of multiple gestations, and maternal disease processes and their impact on pregnancy. Correlation with ultrasound guided perinatal procedures, genetic testing, and medical and surgical interventions are also included. Proper patient preparation, exam protocols, general anatomy, image orientation and common pathologies will also be addressed. Lab work will include live scanning as well as simulation-based classwork through SonoSim.

Co-requisites: ETH101, DMS200, DCL103, DMS103B

Pre-requisite: DMS102B/DMSL102

DCL103 - Clinical Experience II ***Clock Hours: 288***

Direct, supervised sessions of sonographic scanning with emphasis on the development of the practical application and scanning techniques of obtaining sonographic images of the organs of the male and female reproductive systems, obstetrics, gastrointestinal tract, peritoneal/retroperitoneal and pleural spaces with continued proficiency on the liver, gallbladder, pancreas, kidneys, urinary bladder, adrenal glands, spleen, aorta, inferior vena cava, thyroid, and neck. Students will need to successfully complete all the assigned clinical competency examinations while supervised by a registered diagnostic medical sonographer.

Co-requisites: DMS103B, DMSL103, ETH101, DMS200

Pre-requisite: DCL102

Clinicals: 12 weeks, 3 days/week (8 hours daily)

DMS200 - Registry Review: SPI ***Clock Hours: 24***

This course will prepare the students for the Sonographic Principles & Instrumentation (SPI) examination. The course material will follow the current ARDMS Exam Content Outline. The course will review the physical and mathematical principles of diagnostic medical sonography. Knowledge of the physical attributes of sound waves and how images are generated, attenuation, transducer construction and function, ultrasound instrumentation, multi-hertz frequency capabilities, dynamic range, signal processing, bioeffects, display modes, resolution, artifacts, hemodynamics, harmonics and contrast agents, statistics, emerging technology, quality assurance, and Doppler principles will be tested.

Co-requisites: DMS103B, DMSL103, ETH101

Pre-requisite: DPHY100

DMS223 - Introduction to Vascular ***Clock Hours: 16***

This eight-week course involves a specialized study of the anatomy, physiology, hemodynamics, pharmacology, clinical signs and symptoms, and pathologies of the cerebrovascular, peripheral arterial, and deep venous systems. Correlation with other modalities, medical and surgical procedures, scanning techniques, direct/indirect testing methods, gold-standards regarding testing and statistics will also be included.

*There is a corresponding sonography scanning lab with this course.

Co-requisite: DMSL223

Pre-requisite: DMS101B, DMS111B, DMS102B, DMS112B, DMS103B

DMSL223 - Sonography Scanning Lab V ***Clock Hours: 24***

Selected exercises designed to reinforce concepts covered in DMS 223.

This eight-week course involves a specialized study of the anatomy, physiology, hemodynamics, pharmacology, clinical signs and symptoms, and pathologies of the cerebrovascular, peripheral arterial, and deep venous systems. Correlation with other modalities, medical and surgical procedures, scanning

techniques, direct/indirect testing methods, gold-standards regarding testing and statistics will also be included.

Co-requisite: DMS223

Pre-requisite: Successful completion of Beachwood Diagnostic Medical Sonography Program Term 3

DCL201 - Clinical Experience III ***Clock Hours: 512***

Indirect, supervised clinical hours that continues to emphasize the development of critical thinking skills and exam knowledge on a more independent level. Development of imaging skills in obstetrics and gynecology, male reproductive system, and continued proficiency in sonographic scanning techniques of the aorta, inferior vena cava, pleural space, gastrointestinal tract, thyroid, and the organs of the abdomen to include the liver, gallbladder, bile ducts, pancreas, spleen, and the urinary system as taught in the scanning lab. Students need to complete all the assigned clinical competency examinations while supervised by a registered diagnostic medical sonographer.

Co-requisites: DMS223, DMSL223

Pre-requisite: DCL103

Clinicals: 16 weeks, 4 days/week (8 hours daily)

DMS226 - Registry Review-Abdomen ***Clock Hours: 16***

This eight-week course will prepare the students for their final clinical rotation and the abdominal registry examination. The course material will follow the current ARDMS Exam Content Outline. The review will include the abdomen with emphasis on sonographic abnormalities of the liver, gallbladder, pancreas, kidney, spleen, and aorta. The course will also review sonographic abnormalities of the abdominal wall, breast, pleural space, structures of the neck, peritoneum, retroperitoneum, prostate, scrotum, and superficial structures. Image identification, mock exams, and procedural scenarios will be covered to evaluate knowledge from previous courses.

Co-requisite: DMS230

Pre-requisite: DMS111B/DMSL111

DCL202 - Clinical Experience IV ***Clock Hours: 512***

Indirect, supervised clinical time that continues to emphasize the development of critical thinking skills and exam knowledge on a more independent level. Continued proficiency in sonographic scanning techniques of the liver, gallbladder, bile ducts, pancreas, spleen, urinary tract, aorta, inferior vena cava, non-cardiac chest, gastrointestinal tract, male reproductive, thyroid, gynecology, and obstetrics will be evaluated and tested. Students need to complete all the assigned clinical competency examinations while supervised by a registered diagnostic medical sonographer.

Co-requisites: DMS230, DMS226, DMS227

Pre-requisite: DCL201

Clinicals: 16 weeks, 4 days/week (8 hours daily)

DMS230 - Capstone ***Clock Hours: 16***

This eight-week course will be utilized for the student to demonstrate the skills and knowledge mastered during the Beachwood Diagnostic Medical Sonography Program both in lecture and at clinicals. Preparation for the employment interview process and presentation of qualifications through a resume and cover letter will be included. Importance of credentialing, professional involvement, career advancement, and continuing education will be stressed. Students will present one interesting case that they performed in the clinical setting to a community of their peers in a formal presentation.

Co-requisite: DMS226

Pre-requisite: Successful completion of Beachwood Diagnostic Medical Sonography Program Term 4

DMS227 - Registry Review – Ob/Gyn ***Clock Hours: 16***

This eight-week course will prepare students for the obstetrics and gynecology specialty registry examination. The course material will follow the current ARDMS Exam Content Outline. The course will review the female reproductive system with emphasis on the sonographic appearance of normal and abnormal appearances of the uterus and ovaries and will include obstetrics with the emphasis on fetal biometric measurements and developmental abnormalities, genetic testing, and maternal abnormalities.

Pre-requisite: DMS102B/DMSL102

Appears on pages 267-272 in the originally published catalog effective August 1, 2025.

Beachwood Radiologic Technology Program

Program Snapshot: Beachwood Radiologic Technology	
Program Director	Halley Majersky, MEd, R.T. (R)(M)(CT)(MR)
Location	CCAC – Building 2 25900 Science Park Drive Beachwood, OH 44122
Clock Hours	2328
Program Length	88 weeks / 21 months
Delivery Method	Residential
Total Cost (tuition + fees)	$16,050.00

Appears on page 73 in the originally published catalog effective August 1, 2025.

Course Descriptions

RT101 - Patient Care in Radiology ***Clock Hours: 64***

This course provides an overview of radiography in addition to the basic concepts of patient care, infection control, and the role of the radiographer as a member of the health care team. Content includes pharmacology and administration of diagnostic contrast agents and intravenous medications; patient assessment; and vital signs. Topics include: critical thinking; history of radiography; professional roles and behavior; professional attitudes and communications. Also included will be hospital and departmental organization, and hospital and program affiliation.

Pre-requisite: Admission to the program

TECH101 - Radiographic Technique I ***Clock Hours: 64***

This course is designed to give the student a working knowledge of the exposure factors required to produce quality radiographs. The material presented will enable the student to vary factors to control density, contrast, visibility of detail, recorded detail, distortion, radiographic equipment, computed/digital radiography and the use of automatic exposure devices. Exposure compensation and technique calculations are emphasized.

Pre-requisite: Admission to the program

POS101 - Radiographic Positioning & Procedures I ***Clock Hours: 64***

This course serves as an introduction to the basics of diagnostic radiography. The material presented will enable a student to interpret radiology requisitions; recognize the structure and organs visualized in a radiograph; and correctly position a patient for various radiologic examinations including pediatric and geriatric patients. A section on radiation protection will introduce the student to proper methods of protecting both the patient and themselves from ionizing radiation. Radiographic Positioning and Procedures I also includes the preliminary steps to taking a radiograph; general radiographic anatomy and positioning terminology; and anatomy and radiography of the thoracic viscera, upper extremities, lower extremities, shoulder girdle, bony thorax, urinary system, abdomen, pelvis, femur and hip. The student will participate in corresponding radiographic positioning labs.

*There is a corresponding radiography positioning lab with this course.

Pre-requisite: Admission to the program

POSL101 – Radiographic Positioning Lab ***Clock Hours: 64***

Selected exercises designed to reinforce concepts covered in POS101.

This course serves as an introduction to the basics of diagnostic radiography. The material presented will enable a student to interpret radiology requisitions; recognize the structure and organs visualized in a radiograph; and correctly position a patient for various radiologic examinations including pediatric and geriatric patients. A section on radiation protection will introduce the student to proper methods of protecting both the patient and themselves from ionizing radiation. Radiographic Positioning and Procedures I also includes the preliminary steps to taking a radiograph; general radiographic anatomy and positioning terminology; and anatomy and radiography of the thoracic viscera, upper extremities, lower extremities, shoulder girdle, bony thorax, urinary system, abdomen, pelvis, femur and hip. The student will participate in corresponding radiographic positioning labs.

Pre-requisite: Admission to the program

CL101 - Introductory Clinical Experience I ***Clock Hours: 112***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the thoracic viscera, upper extremities, lower extremities and shoulder girdle. Designed to give the student an introduction to the basics of diagnostic radiography in the clinical setting. Clinical experience in hospital environment for eight weeks, two and a half days a week.

Pre-requisite: Admission to the program

TECH102 - Radiographic Technique II ***Clock Hours: 32***

The course is designed to give an understanding of the components, principles and operation of digital imaging systems found in diagnostic imaging. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital systems. Principles of digital quality assurance and maintenance are presented.

Pre-requisite: TECH101

POS102 - Radiographic Positioning & Procedures II ***Clock Hours: 32***

This course advances and increases the student's knowledge of diagnostic radiographic positioning. This course will cover the anatomy, positioning and radiography of the vertebral column, sacroiliac joints, digestive system, biliary system, skull, facial bones and paranasal sinuses. Trauma and surgical radiography will also be covered. The students will also participate in corresponding radiographic positioning labs.

*There is a corresponding radiography positioning lab with this course.

Pre-requisites: POS101, POSL101

POSL102 – Radiographic Positioning II Lab ***Clock Hours: 64***

Selected exercises designed to reinforce concepts covered in POS102.

This course advances and increases the student's knowledge of diagnostic radiographic positioning. This course will cover the anatomy, positioning and radiography of the vertebral column, sacroiliac joints, digestive system, biliary system, skull, facial bones and paranasal sinuses. Trauma and surgical radiography will also be covered. The students will also participate in corresponding radiographic positioning labs.

Pre-requisites: POS101, POSL101

PHY102 - Principles of Radiation Physics ***Clock Hours: 32***

This course is designed to present the student with the fundamentals of electrical and radiation physics and the basic principles underlying the operation of X-ray equipment and the circuit and tube components. Topics will include the radiation concepts of matter, energy, electricity, electromagnetism and the properties of x-rays. This course will also present the nature and characteristics of radiation, X-ray production, units of measure and the fundamentals of photon interactions with matter. Mammographic, fluoroscopic and mobile equipment will be covered and tube rating charts and radiographic quality assurance and quality control will also be discussed.

Pre-requisites: TECH101

CL102 - Introductory Clinical Experience II ***Clock Hours: 336***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the vertebral column; scoliosis; spinal fusion; sacroiliac joints; bony thorax (sternum, sternoclavicular joints, ribs); digestive system; urinary system; biliary tract and gallbladder; abdomen; pelvis; femur; and hip radiography. Students are required to successfully complete

15 clinical competency examinations supervised by a registered radiographer or clinical instructor. Clinical experience in hospital environment for 16 weeks, four days a week.

Pre-requisite: CL101

ETH101 - Healthcare Ethics and Law ***Clock Hours: 24***

This course is designed to provide the student with a fundamental background in healthcare ethics and law. The historical and philosophical bases of ethics as well as the elements of ethical behavior are discussed. The student will examine a variety of ethical issues and dilemmas that occur in clinical practice. An introduction to legal terminology, concepts and principles will also be presented. Topics include misconduct, malpractice, unintentional and intentional torts, HIPAA standards and compliance, legal and professional standards and the ASRT scope of practice. The importance of proper documentation and informed consent will be emphasized.

Pre-requisites: RT101

POS201 - Advanced Radiographic Procedures ***Clock Hours: 24***

Advanced Radiographic Procedures will include radiographic anatomy and positioning terminology that are relevant to the following: contrast arthrography, long bone measurement, and radiography of the mouth, salivary glands and anterior neck, reproductive systems, and mammography. Additional topics include radiation oncology, ultrasound, nuclear medicine, and bone densitometry.

Pre-requisite: POS102

BIO201 - Radiation Biology & Protection ***Clock Hours: 32***

This course provides the student with information on the fundamental principles of radiation protection and radiation biology. Knowledge provided in this course is essential to understanding the biological effects of ionizing radiation and radiation protection at a basic scientific level and will serve as a standard for radiographers to promote the safe use of medical ionizing radiation. The course includes the study of legal and ethical radiation protection responsibilities of radiation workers, personnel monitoring devices, public and occupational dose limits, theory and operation of radiation detection devices, and state regulations governing radiation protection practices. Additional topics include the study of radiation sources, units of measure, effective dose limits, and biologic effects of radiation.

Pre-requisite: PHY102

CL103 - Intermediate Clinical Experience I ***Clock Hours: 336***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the skull, facial bones, and paranasal sinuses. Students are required to successfully complete 15 clinical competency examinations supervised by a registered radiographer or clinical instructor.

Clinical experience in hospital environment for 12 weeks, four days a week.

Pre-requisite: CL102

SP201 - Special Procedures in Radiology ***Clock Hours: 24***

This course is designed to advance the student's knowledge of specialized procedures in the imaging department. The material presented will enable a student to recognize the structure and organs visualized in a radiograph, and to correctly position a patient for various advanced and special radiologic examinations. Special Procedures will include vascular; cardiac and interventional radiography; central nervous system; magnetic resonance imaging; and computed tomography.

Pre-requisite: POS102

RT202 - Radiographic Analysis ***Clock Hours: 32***

This course is designed to provide a basis for analyzing the radiographic quality of the following procedures: chest, abdomen, upper extremities, shoulder girdle, lower extremities, hip/pelvis, spine, skull, facial bones, gastrointestinal tract, and pediatric radiography. The students will demonstrate patient assessment, proper positioning, exposure factors, and radiation protection. Included are the importance of minimum imaging standards, discussion of a problem-solving technique for image evaluation and the factors that can affect image quality.

Pre-requisite: TECH101, TECH102

CL201 - Intermediate Clinical Experience II ***Clock Hours: 448***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning. Students are required to successfully complete 20 clinical competency examinations supervised by a registered radiographer or clinical instructor. Clinical experience in hospital environment for 16 weeks, four days a week.

Pre-requisite: CL103

PATH201 - Radiographic Pathology ***Clock Hours: 32***

This course is designed to introduce concepts related to disease and etiological considerations with emphasis on radiographic appearance of disease and impact on exposure factor selection. The material covered should enhance the students' knowledge regarding interpretation of clinical information provided on the requisition and/or patient's chart. Case studies and critical thinking exercises allow the student the opportunity to consider the relevance of radiographic procedures with regard to technical and patient considerations. The course also includes a written research paper on a chosen pathology with oral presentation.

Pre-requisite: Anatomy and Physiology (Program Prerequisite)

REG201 - Registry Review I ***Clock Hours: 32***

This course provides a review of basic knowledge from previous courses and helps the student prepare for national certification examinations for radiographers. Topics include: image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

Pre-requisite: Successful completion of the third semester

REG202 - Registry Review II ***Clock Hours: 32***

This course is a continuum of Registry Review I in preparation for the ARRT Registry Examination. This course provides a review of basic knowledge from previous courses and helps the student prepare for the national certification examination for radiographers. Topics include image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

Pre-requisite: REG201

CL202 - Advanced Clinical Experience ***Clock Hours: 448***

Supervised sessions emphasizing practical application of radiographic positioning with clinical experience. Emphasis on enhanced student knowledge of pathology and the relation to radiographic imaging quality. Clinical experience will be in the hospital environment for 16 weeks, three days a week.

Pre-requisite: CL201

Appears on pages 272-277 in the originally published catalog effective August 1, 2025.

Cardiac Ultrasound Program

Program Snapshot: Cardiac Ultrasound	
Program Director	Amy Dillenbeck, MS, ACS, RDCS, RCS, FASE
Location	Main Campus 9500 Euclid Avenue Cleveland, OH 44195
Clock Hours	1464
Program Length	50 weeks / 12 months
Delivery Method	Residential
Total Cost (tuition + fees)	$15,000

Appears on page 89 in the originally published catalog effective August 1, 2025.

Curriculum Outline

FALL		**Clock Hours**			
Course	**Title**	Lecture	Lab	Clinical	Total
AE101	Adult Echocardiography I (Mon-Wed)	138	0	0	138
AE101L	Adult Echocardiography I Lab	0	189	0	189
AE103	Clinical Externship I	0	0	187	187
				TERM TOTAL	**514**
SPRING		**Clock Hours**			
Course	**Title**	Lecture	Lab	Clinical	Total

AE201	Adult Echocardiography II	48	0	0	48
AE201L	Adult Echocardiography II Lab	0	112	0	112
AE203	Clinical Externship II	0	0	408	408
AE102	Ultrasound Physics & Instrumentation I	32	0	0	32
				TERM TOTAL	**600**

SUMMER		**Clock Hours**			
Course	**Title**	Lecture	Lab	Clinical	Total
AE301	Adult Echocardiography III	45	0	0	45
AE303	Clinical Externship III	0	0	305	305
				TERM TOTAL	**350**
			TOTAL CLOCK HOURS:		**1464**

The Curriculum Outline which appears on pages 100-101 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct clock hours, course numbers, and titles.

Course Descriptions

AE101 - Adult Echocardiography I ***Clock Hours: 138***

This course provides detailed instruction of heart anatomy and physiology. It will discuss medical terminology, cardiac anatomy, ECG basics, introduction to the sonographic assessment and technical interpretation of heart disease, and the cardiac cycle. Additionally, this course discusses evaluation of right and left ventricular function, valve disease, prosthetic valve, diastology and hemodynamics.

Pre-requisite: Admission to the program

AE101L - Adult Echocardiography I Lab ***Clock Hours: 189***

This course compliments the didactic instruction of AE 101. Laboratory demonstration and student practice in scanning techniques and protocol related to the various heart structures are included. This course provides an orientation to clinical aspects of medical imaging by scanning each other and other volunteers. Under supervision, the students will become familiar with the imaging equipment controls, transducer positions relative to anatomy, and scanning techniques.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: Admission to the program

Co-requisite: AE101

AE103 - Clinical Externship I ***Clock Hours: 187***

This practicum enables the student to learn and obtain images in a clinical setting. It provides an orientation to clinical aspects of medical imaging in a hospital environment for students without significant previous experience in clinical health care. It includes an introduction with emphasis on the basic orientation to a hospital cardiology department, its function and its basic patient care techniques. Students will assist with routine echo lab procedures in all cardiac sonography studies and apply the skills learned in scanning lab.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: Admission to the program

Co-requisites: AE101, AE101L

AE201 - Adult Echocardiography II ***Clock Hours: 48***

This course is an extension of AE 101 Adult Echocardiography I, covering in depth pathophysiology of heart disease and the role of ultrasound diagnosis. Introduction of global longitudinal strain, three-dimensional imaging, transesophageal echo, structural heart disease and advanced valve disease.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: AE101

Co-requisite: AE201L

AE201L - Adult Echocardiography II Lab ***Clock Hours: 112***

This course compliments the didactic instruction of AE 201. Laboratory demonstration and student practice in scanning techniques and protocol related to the various heart structures are included. Under supervision, the students will be proficient with the imaging equipment controls, transducer positions relative to anatomy, and scanning techniques. This course will also involve echocardiography image review and preliminary reporting with ongoing question and answers. It is structured to increase in complexity and difficulty and the student progresses.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: AE101L

Co-requisite: AE201

AE102 – Ultrasound Physics & Instrumentation I ***Clock Hours: 32***

Fundamental principles of ultrasound physics including sound wave generation and propagation in tissue; factors affecting acoustical impedance and reflection. Transducer design, characteristics & construction and principles of Doppler ultrasound will also be covered. Integration of these theories, principles, and their clinical applications will be emphasized.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: Admission to the program

AE203 - Clinical Externship II ***Clock Hours: 408***

This practicum enables the student to learn and obtain images in a clinical setting. Students will continue to assist with routine echo lab procedures in all cardiac sonography studies and apply the skills learned in scanning lab.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisites: AE101, AE101L, AE103

Co-requisites: AE201, AE201L

AE301 - Adult Echocardiography III ***Clock Hours: 45***

This course is an extension of AE 201 Adult Echocardiography II, and will be a comprehensive review of material covered throughout the year. New topics such as embryology and congenital pathologies will be introduced, and complex pathophysiology and ultrasound findings.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: AE201

AE303 - Clinical Externship III ***Clock Hours: 305***

This is the last of three consecutive clinical practicum courses in which the student is supervised in a clinical setting. Students will assist with routine echo lab procedures in all cardiac sonography studies. The final goal is to achieve a competency level of an entry-level cardiac sonographer upon completion of the clinical course sequence.

Course Requirements: Students must earn the minimum grade of 75% to progress to the next semester and continue the program.

Pre-requisite: AE203

Co-requisite: AE301

Appears on pages 277-279 in the originally published catalog effective August 1, 2025.

Cardiovascular Perfusion Program

Program Snapshot: Cardiovascular Perfusion	
Program Director	Christopher Koehler, CCP, BS
Location	Main Campus 9500 Euclid Avenue Cleveland, OH 44195
Clock Hours	2894
Program Length	70 weeks / 16 months
Delivery Method	Residential
Total Cost (tuition + fees)	$32,000

Overview

The Cardiovascular Perfusion Program is an intensive, full-time, 16-month (4 term) program consisting of a rigorous academic schedule and intense clinical education. Students completing the program will graduate with a Certificate of Completion and will be eligible for the American Board of Cardiovascular Perfusion certification examination.

Appears on page 102 in the originally published catalog effective August 1, 2025.

Computed Tomography

Course Descriptions

CT102 – Cross Sectional Anatomy and Pathology ***Clock Hours: 40***

This course is delivered in a traditional classroom style and provides the student with fundamental anatomy and pathology associated with computed tomography and magnetic resonance imaging of the head, neck, face, spine, thorax, abdomen, pelvis, upper and lower extremities. The various structures will be demonstrated in the axial, sagittal and coronal imaging planes.

Pre-requisite: Admission to the program

CT104 - Introduction to Computed Tomography Online ***Clock Hours: 24***

This course is delivered online and provides the student with information necessary to enter into the computed tomography clinical setting. Topics to include: Basic principles; screening procedures; patient monitoring; dose; safety precautions; contrast agents used; contraindications; equipment operated; professional roles and behavior; processing of images; routine examinations and protocols utilized; image artifacts; and compensation. Students will receive an introduction to the physics associated with computed tomography.

Pre-requisite: Admission to the program

CT103 – Computed Tomography Physics* ***Clock Hours: 48***

This course is delivered in a traditional classroom style or online and provides the student with a comprehensive study of the physics associated with computed tomography. Topics will include: Terminology associated with CT; history and generations of CT, EBCT, spiral scanning and multi-row scanning; CT equipment; image processing; filters and algorithms; image quality; image noise; advanced CT imaging options; artifacts; contrast administration; patient safety; quality assurance; radiation risk factors; and dose.

Pre-requisite: Program Approval

CT200 – Computed Tomography Clinical Experience ***Clock Hours: 300***

Computed tomography technologists operate advanced imaging equipment to obtain computer-generated sectional images of the human body. Computed tomography technologists must be able to provide quality patient care while working closely with the radiologist in a fast-paced, high-volume area. The clinical portion of the Computed Tomography Program is designed to prepare students to be competent, efficient working technologists. Upon successful completion of the CT clinical course, students will have met the examination requirements for the ARRT and be eligible to sit for the CT post-primary certification exam.

Pre-requisite: CT104

CT201 - Computed Tomography Physics* ***Clock Hours: 48***

This course is delivered in a traditional classroom style or online and provides the student with a comprehensive study of the physics associated with computed tomography. Topics will include: Terminology associated with CT; history and generations of CT, EBCT, spiral scanning and multi-row scanning; CT equipment; image processing; filters and algorithms; image quality; image noise; advanced

CT imaging options; artifacts; contrast administration; patient safety; quality assurance; radiation risk factors; and dose.

Pre-requisite: Program Approval

*Students will take CT103 OR CT201,and taking either requires program approval.

Appears on page 281 in the originally published catalog effective August 1, 2025.

Dietetic Internship Program

Program Snapshot: Dietetic Internship	
Program Director	Elizabeth Friedel, MS, RD, LD, CNSC
Location	Main Campus 9500 Euclid Avenue Cleveland, OH 44195
Clock Hours	1344
Program Length	42 weeks / 10 months
Delivery Method	Residential
Total Cost (tuition + fees)	$10,000

Appears on page 139 in the originally published catalog effective August 1, 2025.

Medical Dosimetry Program

Program Snapshot: Medical Dosimetry	
Program Director	Jennifer Archambeau, MS, CMD, R.T.(R)(T)
Location	Main Campus 9500 Euclid Avenue Cleveland, OH 44195
Clock Hours	1657
Program Length	51 weeks / 12 months
Delivery Method	Blended
Total Cost (tuition + fees)	$10,000

Appears on page 149 in the originally published catalog effective August 1, 2025.

Curriculum Outline

Orientation Term		**Clock Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DOS201*	Dosimetry	12	0	0	12
DOS301*	Radiation Physics	4	0	0	4
DOS101	Medical Dosimetry Orientation	12	0	0	12
DOS511	Clinicals Phase 1	0	0	161	161
			TOTAL TERM		**189**
Fall Term		**Clock Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DOS211*	Radiation Treatment Planning	14	0	0	14
DOS201*	Dosimetry	24	0	0	24
DOS301*	Radiation Physics	11	0	0	11
DOS521	Clinicals Phase 2	0	0	350	350

DOS111	Computers and Computer Networking	5	0	0	5
				TOTAL TERM	**404**

Winter/Spring Term		**Contact Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DOS221	Pathophysiology and Oncology Management	24	0	0	24
DOS301*	Radiation Physics	19	0	0	19
DOS211*	Radiation Treatment Planning	20	0	0	20
DOS531	Clinical Phase 3	0	0	616	616
DOS401	Research	17	0	0	17
				TOTAL TERM	**696**

Spring/Summer Term		**Contact Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DOS501	Board Review	18	0	0	18
DOS541	Clinical Phase 4	0	0	350	350
				TOTAL TERM	**368**
				TOTAL CLOCK HOURS:	**1657**

The Curriculum Outline which appears on pages 157-158 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct clock hours, course numbers, and titles.

Course Descriptions

DOS101 - Medical Dosimetry Orientation ***Contact Hours: 12***

This course provides the student with an overview of the profession of Medical Dosimetry and dosimetrists' role in a radiation therapy department.

DOS201 - Dosimetry ***Contact Hours: 36***

This course provides an introduction to basic concepts in medical dosimetry, including linear accelerators, calculations, workflow, dose tolerances, and radiation measurements.

DOS111 - Computers and Computer Networking ***Contact Hours: 5***

This course summarizes the use of computers and networking in radiation oncology.

DOS211 - Radiation Treatment Planning ***Contact Hours: 34***

This course provides an introduction to advanced concepts in medical dosimetry, including anatomy, imaging, treatment planning, motion management, and radiation biology. This course includes site specific labs instructed by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors.

DOS221 - Pathophysiology and Oncology Management ***Contact Hours: 24***

This course presents an in-depth study of multidisciplinary treatment of the cancer patient from the clinician's viewpoint. Students are required to master concepts specific to site-specific disease including histopathology, etiologic and epidemiology factors, detection and diagnosis, tumor stage and grade, routes of metastases, dose fractionation and prognostic factors. This course is designed to approach each cancer type by anatomic system, addressing treatment factors with increasing degrees of complexity.

DOS301 - Radiation Physics ***Contact Hours: 34***

This course covers the basics of ionizing and non-ionizing radiation, atomic and nuclear structure, basic nuclear and atomic physics, radioactive decay, interaction of radiation with matter, and radiation detection and dosimetry. Brachytherapy, Special Procedures, Quality Assurance, Stereotactic Radiotherapy, and Particle Therapy are discussed.

DOS401 – Research ***Contact Hours: 17***

This course will provide students with hands-on experience of how to conduct research with the following objectives: (1) understanding ethical and legal consideration when conducting research; (2) learning how to conduct a literature search by using searching tools such as Google Scholar and PubMed; (3) learning how to identify research topics after conducting a literature review; (4) learning how to collect data, analyze data, and present research findings.

DOS501 - Board Review ***Contact Hours: 18***

This course is an in-depth review of all aspects of medical dosimetry to prepare students for the profession's certification examination.

DOS511 - Clinicals Phase 1 ***Contact Hours: 161***

This course consists of training in medical dosimetry concepts and techniques. All activities are supervised by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors and members of the Professional Staff of Cleveland Clinic's Radiation Oncology Department. This includes an introduction to Cleveland Clinic's radiation Treatment Planning System. Topics covered include contouring, beam placement, calculation point placement, beam weighting, energy selection, prescription dose, tissue heterogeneity, and image fusion.

DOS521 - Clinicals Phase 2 ***Contact Hours: 350***

This course consists of training in medical dosimetry concepts and techniques. All activities are supervised by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors and members of the Professional Staff of Cleveland Clinic's Radiation Oncology Department. Topics covered include complex 3D conformal treatment planning and Dose Volume Histogram evaluation.

Pre-requisite: DOS511

DOS531 - Clinicals Phase 3 ***Contact Hours: 616***

This course consists of training in medical dosimetry concepts and techniques. All activities are supervised by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors and members of the Professional Staff of Cleveland Clinic's Radiation Oncology Department. Topic covered include basic inverse optimization techniques applied to step and shoot IMRT and VMAT.

Pre-requisite: DOS521

DOS541 - Clinicals Phase 4 ***Contact Hours: 350***

This course consists of training in medical dosimetry concepts and techniques. All activities are supervised by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors and members of the Professional Staff of Cleveland Clinic's Radiation Oncology Department. Topics covered include advanced optimization techniques applied to complex radiation therapy treatments. SRS, SBRT and Brachytherapy are covered.

Pre-requisite: DOS531

Appears on page 287-288 in the originally published catalog effective August 1, 2025.

Medical Laboratory Science Program

Program Snapshot: Medical Laboratory Science	
Program Director	Barbara Zingale, MSIT, MLS(ASCP)^{CM}
Location	Main Campus 9500 Euclid Avenue Cleveland, OH 44195
Clock Hours	1332
Program Length	48 weeks / 11 months
Delivery Method	Residential
Total Cost (tuition + fees)	$7,500

Overview

The Medical Laboratory Science Program is a 48-week, full-time program designed to prepare students for the ever-changing landscape of the field of laboratory science. Students who successfully complete the program are eligible to apply for the Medical Laboratory Science (MLS) national certification examination offered by the American Society for Clinical Pathology, Board of Certification (ASCP-BOC).

Appears on page 160 in the originally published catalog effective August 1, 2025.

Mercy Diagnostic Medical Sonography Program

Program Snapshot: Mercy Diagnostic Medical Sonography	
Program Director	Susan Bielanski, BS, RDMS
Location	Mercy Hospital 1320 Mercy Drive NW Canton, Ohio 44708
Clock Hours	1862
Program Length	49 weeks / 11 months
Delivery Method	Residential
Total Cost (tuition + fees)	$14,000

Overview

The Mercy Diagnostic Medical Sonography Program is an 11-month, full-time, diploma-level program consisting of up to forty (40) hours per week. This includes both classroom and clinical experience. Upon completion of the program, graduates are eligible to apply for the American Registry for Diagnostic Medical Sonography (ARDMS) abdomen and obstetrician-gynecological examinations.

Appears on page 175 in the originally published catalog effective August 1, 2025.

Curriculum Outline

First Quarter		**Clock Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DMS101M	Introduction to Ultrasound	22	0	0	22
DMS102M	Abdomen	58	0	0	58
DMS103M	Sectional Anatomy	57	0	0	57
DMS102L	Lab 1	0	32	0	32
DMS104	Clinical Externship	0	0	279	279
			TOTAL TERM		**448**

Second Quarter		**Clock Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DMS105	Gynecology/OB 1	28	0	0	28
DMS106	Obstetric 2/3	73	0	0	73
DMS105L	Lab 2	0	24	0	24
DMS107	Clinical Externship II	0	0	355	355
			TOTAL TERM		**480**

Third Quarter		**Contact Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DMS108	Superficial Structures	37	0	0	37
DMS109	Ultrasound Physics	75	0	0	75
DMS108L	Lab 3	0	12	0	12
DMS112M	Registry Review (Physics)	26	0	0	26
DMS110	Clinical Externship III	0	0	330	330

				TOTAL TERM	**480**

Fourth Quarter		**Contact Hours**			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
DMS111M	Pediatrics and Miscellaneous	50	0	0	50
DMS112M	Registry Review (Abd & OB/Gyn)	46	0	0	46
DMS111L	Lab 4	0	10	0	10
DMS113	Clinical Experience IV	0	0	348	348
				TOTAL TERM	**454**
				TOTAL CLOCK HOURS:	**1862**

The Curriculum Outline which appears on pages 184-185 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct clock hours, course numbers, and titles.

Course Descriptions

DMS101M - Introduction to Ultrasound ***Clock Hours: 22***

This class is an introduction to the theory and practice of ultrasound in the current health care system. It details the basic concepts of the physics of ultrasound and anatomical, directional and descriptive terms, with emphasis on ultrasound terminology. The students will also learn the standards of scanning and correct ergonomics. The students will be introduced to professional sonography societies and encouraged to join. The students will be given lectures that cover medical law, code of ethics, professionalism, and patient care specific to sonography. The student will also learn about the importance of cultural competency.

DMS102M - Abdomen ***Clock Hours: 58***

This class details the anatomy, physiology and pathology of the following organs: liver, gallbladder/biliary system, pancreas, genitourinary system, spleen, adrenals, and retroperitoneum. Detailed instruction is given in the basic methods of routine abdominal examinations. The students will learn the sonographic appearance of the abdominal organs in both normal and pathological situations. Basic Doppler flow characteristics are also discussed with more emphasis on Doppler in the 4th quarter.

DMS103M - Sectional Anatomy ***Clock Hours: 57***

This course will teach students to recognize anatomy in sectional planes, including transverse, sagittal and coronal planes. The students will be instructed in sectional anatomy in the following areas: head, neck, thorax, abdomen, and pelvis. Pictorial slabs as well as drawings, CT, MRI, PET and ultrasound images will be used to enhance the students' learning experience.

DMS105 - Gynecology/OB 1 ***Clock Hours: 28***

This class details anatomy, physiology and pathology of the female reproductive organs, pelvic musculature and pelvic ligaments. Detailed instruction is given in basic methods of routine pelvic examinations including transvaginal exams. The student will be able to identify the sonographic appearance and Doppler characteristics of the pelvic organs in both normal and abnormal conditions. This course also details the anatomy, embryology, physiology and pathology of the first trimester pregnancy. The student will receive detailed instruction in basic methods of first trimester obstetric

examinations, including transvaginal exams. The students will be able to recognize the ultrasound appearance of first trimester pregnancy and female pelvis in both normal and abnormal situations.

DMS106 - Obstetric 2/3 ***Clock Hours: 73***

In this class the students will be instructed in detail the anatomy, physiology, pathology and anomalies of the 2nd and 3rd trimester pregnancy. The students will be instructed in the appropriate methods for obtaining fetal measurements and detailed fetal anatomy, as well as in assessing maternal structures, the placenta and Doppler evaluation during pregnancy. The students will be taught to recognize both normal and abnormal conditions associated with pregnancy.

DMS108 - Superficial Structures ***Clock Hours: 37***

This class details the anatomy, physiology and pathology of the thyroid gland, scrotum, breast and prostate gland. The student will be able to identify the sonographic appearance and Doppler characteristics of these structures in normal and pathological conditions. The student will receive detailed instruction in basic methods of small parts examinations.

DMS109 - Ultrasound Physics ***Clock Hours: 75***

The goal of this class is to teach the students the principles and instrumentation of ultrasound. The students will learn to recognize and correct artifacts. The students will be instructed in the physics of ultrasound, instrumentation, Doppler, hemodynamics, safety issues, biological effects, emerging technologies and quality assurance and performance.

DMS111M - Pediatrics and Miscellaneous ***Clock Hours: 50***

This class will help the students to recognize the sonographic appearance of normal and pathological conditions of the abdomen, pelvis, hips, spine, neonatal brain, musculoskeletal structures and GI tract. This class will discuss normal anatomy and pathology of the following organs/areas: Knee (popliteal space), GI tract, appendix, abdominal wall, non-cardiac chest, MSK system and miscellaneous lesions. The student will learn to recognize the normal and abnormal sonographic appearance of these structures/areas and they will be instructed in the basic scanning methods of them as well. In addition, the student will continue to build on the knowledge of vessel, anatomy, physiology and pathology discussed in Abdomen. The students will receive instruction on the theory and use of Doppler, color Doppler and power Doppler during an abdominal Doppler evaluation. The following areas will be covered: aorta (and branches), IVC, the portal venous system, TIPS, organ transplants, renals and renal arteries and veins. The students will be able to recognize normal and abnormal sonographic appearances of abdominal vasculature. An introduction to vascular, including peripheral arteries, veins and Doppler evaluation will be included in this course.

DMS112M - Registry Review (Physics) ***Clock Hours: 26***
DMS112M - Registry Review (Abd & OB/Gyn) ***Clock Hours: 46***

This class serves as a review in preparation for the ARDMS examinations. Students will be given review exercises in the areas of Abdomen, OB/Gyn and Physics. The student will take “mock registries” with at least a 75% average in order to pass the class.

DMS104 - Clinical Externship ***Clock Hours: 279***

The first quarter of clinical training the student will concentrate mostly on abdominal scanning and equipment competencies. The majority of competencies focus on abdominal scanning including liver, gallbladder, aorta, pancreas, renals and spleen. Students will be given detailed instruction in scan

techniques and clinical skills in the above areas. The students are also given detailed instruction in the operation of the sonographic equipment and correct ergonomics. All competencies must be completed 5 successfully completed to pass the clinical portion of the quarter. Basic Doppler evaluation will be taught.

DMS107 - Clinical Externship II ***Clock Hours: 355***

The second quarter of clinical training concentrates on Abdomen and OB/Gyn scanning. Students will be given detailed instruction in scan techniques and clinical skills in the above areas. Competencies are in the above areas including transvaginal examination and must be successfully completed to pass the clinical portion of the quarter. Doppler evaluation of these organs/areas will be included.

DMS110 – Clinical Externship III ***Clock Hours: 330***

The third quarter of clinical training concentrates on Abdomen, OB/Gyn and Superficial structure scanning. Students will be given detailed instruction in scanning techniques and clinical skills including Doppler in the above areas. All required competencies must be completed in the above areas to pass the clinical portion of this quarter.

DMS113 – Clinical Externship IV ***Clock Hours: 348***

The fourth quarter of clinical training includes competencies in the areas of abdomen, superficial structures, MSK and OB/Gyn (with 3D imaging). More detailed instruction will be given for Doppler evaluation of the portal and hepatic vessels, renal vessels and other abdominal vessels as encountered in the clinical area. ARFI scan technique and needle procedure guidance will also be taught. Students will focus on fine tuning their scanning skills in these areas. All competencies must be successfully completed to pass the clinical portion of this quarter.

DMS102L - Lab 1 ***Clock Hours: 32***

This lab is structured to ensure students have acquired the sonographic and clinical skills necessary to achieve clinical competence. The focus is on abdominal scanning including the right upper quadrant (liver, gallbladder, pancreas), aorta, renals, bladder, adrenals, and spleen. The students are also given detailed instruction in the operation of the sonographic equipment and correct ergonomics. Basic Doppler evaluation will be taught. All lab assessments must be successfully completed to pass the Lab.

DMS105L - Lab 2 ***Clock Hours: 24***

This lab is structured to ensure students have acquired the sonographic and clinical skills necessary to achieve clinical competence. This lab concentrates on OB/Gyn scanning techniques and associated clinical skills. Doppler evaluation of these organs/areas will be included. All lab assessments must be successfully completed to pass the Lab.

DMS108L - Lab 3 ***Clock Hours: 12***

This lab is structured to ensure students have acquired the sonographic and clinical skills necessary to achieve clinical competence. This lab concentrates on scanning superficial structures and includes Doppler techniques for these structures. All lab assessments must be successfully completed to pass the Lab.

DMS111L - Lab 4 ***Clock Hours: 10***

This lab is structured to ensure students have acquired the sonographic and clinical skills necessary to achieve clinical competence. This lab will concentrate on the areas of abdomen Doppler, MSK and 3D imaging. Detailed instruction will be given for Doppler evaluation of the portal and hepatic vessels, renal vessels and mesenteric vessels. Acoustic Radiation Force Imaging (ARFI) scan technique, non-cardiac chest and needle procedure guidance will also be taught. Students will focus on fine tuning their scanning skills. All lab assessments must be successfully completed to pass the Lab.

Appears on pages 293-296 in the originally published catalog effective August 1, 2025.

Mercy Radiologic Technology Program

Program Snapshot: Mercy Radiologic Technology	
Program Director	Devin Johnson, MBA, R.T.(R)(MR)(CT)
Location	1320 Mercy Drive NW Canton, Ohio 44708
Clock Hours	2344
Program Length	88 weeks / 21 months
Delivery Method	Residential
Total Cost (tuition + fees)	$16,050

Appears on page 186 in the originally published catalog effective August 1, 2025.

Curriculum Outline

TECH101 Radiographic Technique I

BIO201 Radiation Biology & Protection

The Curriculum Outline which appears on page 197 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct course title for Radiographic Technique I and correct course number for Radiation Biology & Protection.

Course Descriptions

RT101 - Patient Care in Imaging ***Clock Hours: 64***

This course provides an overview of radiography in addition to the basic concepts of patient care, infection control, and the role of the radiographer as a member of the health care team. Content includes pharmacology and administration of diagnostic contrast agents and intravenous medications; patient assessment; and vital signs. Topics include: critical thinking; history of radiography; professional roles and behavior; professional attitudes and communications. Also included will be hospital and departmental organization, and hospital and program affiliation.

Pre-requisite: Admission to Mercy Radiologic Technology Program

TECH101 - Radiographic Technique I ***Clock Hours: 64***

This course is designed to give the student a working knowledge of the exposure factors required to produce quality radiographs. The material presented will enable the student to vary factors to control density, contrast, visibility of detail, recorded detail, distortion, radiographic equipment, computed/digital radiography and the use of automatic exposure devices. Exposure compensation and technique calculations are emphasized.

Pre-requisite: Admission to Mercy Radiologic Technology Program

POS101 - Radiographic Positioning Procedures I ***Clock Hours: 64***

This course serves as an introduction to the basics of diagnostic radiography. The material presented will enable a student to interpret radiology requisitions; recognize the structure and organs visualized in a radiograph; and correctly position a patient for various radiologic examinations including pediatric and geriatric patients. A section on radiation protection will introduce the student to proper methods of protecting both the patient and themselves from ionizing radiation. Radiographic Positioning and Procedures I also includes the preliminary steps to taking a radiograph; general radiographic anatomy and positioning terminology; and anatomy and radiography of the thoracic viscera, upper extremities, lower extremities, shoulder girdle, bony thorax, urinary system, abdomen, pelvis, femur and hip. The student will participate in corresponding radiographic positioning labs.

*There is a corresponding sonography scan lab with this course.

Pre-requisite: Admission to Mercy Radiologic Technology Program

POSL101 – Radiographic Positioning Lab ***Clock Hours: 64***

Selected exercises designed to reinforce concepts covered in POS101.

This course serves as an introduction to the basics of diagnostic radiography. The material presented will enable a student to interpret radiology requisitions; recognize the structure and organs visualized in a radiograph; and correctly position a patient for various radiologic examinations including pediatric and geriatric patients. A section on radiation protection will introduce the student to proper methods of protecting both the patient and themselves from ionizing radiation. Radiographic Positioning and Procedures I also includes the preliminary steps to taking a radiograph; general radiographic anatomy and positioning terminology; and anatomy and radiography of the thoracic viscera, upper extremities, lower extremities, shoulder girdle, bony thorax, urinary system, abdomen, pelvis, femur and hip. The student will participate in corresponding radiographic positioning labs.

Pre-requisite: Admission to Mercy Radiologic Technology Program

CL101M - Introductory Clinical Experience I ***Clock Hours: 256***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the thoracic viscera, upper extremities, lower extremities and shoulder girdle. Designed to give the student an introduction to the basics of diagnostic radiography in the clinical setting. Clinical experience in hospital environment for eight weeks, two and a half days a week.

Pre-requisite: Admission to Mercy Radiologic Technology Program

TECH102 - Radiographic Technique II ***Clock Hours: 32***

The course is designed to give an understanding of the components, principles and operation of digital imaging systems found in diagnostic imaging. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital systems. Principles of digital quality assurance and maintenance are presented.

Pre-requisite: TECH101

POS102 - Radiographic Positioning & Procedures ***Clock Hours: 32***

This course advances and increases the student's knowledge of diagnostic radiographic positioning. This course will cover the anatomy, positioning and radiography of the vertebral column, sacroiliac joints, digestive system, biliary system, skull, facial bones and paranasal sinuses. Trauma and surgical radiography will also be covered. The students will also participate in corresponding radiographic positioning labs.

*There is a corresponding sonography scan lab with this course.

Pre-requisites: POS101, POSL101

POSL102 - Radiographic Positioning Lab II ***Clock Hours: 64***

Selected exercises designed to reinforce concepts covered in POS102.

This course advances and increases the student's knowledge of diagnostic radiographic positioning. This course will cover the anatomy, positioning and radiography of the vertebral column, sacroiliac joints, digestive system, biliary system, skull, facial bones and paranasal sinuses. Trauma and surgical radiography will also be covered. The students will also participate in corresponding radiographic positioning labs.

Pre-requisites: POS101, POSL101

PHY102 - Principles of Radiation Physics ***Clock Hours: 32***

This course is designed to present the student with the fundamentals of electrical and radiation physics and the basic principles underlying the operation of X-ray equipment and the circuit and tube components. Topics will include the radiation concepts of matter, energy, electricity, electromagnetism and the properties of x-rays. This course will also present the nature and characteristics of radiation, X-ray production, units of measure and the fundamentals of photon interactions with matter. Mammographic, fluoroscopic and mobile equipment will be covered and tube rating charts and radiographic quality assurance and quality control will also be discussed.

Pre-requisites: TECH101

CL102M - Introductory Clinical Experience II ***Clock Hours: 256***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the vertebral column; scoliosis; spinal fusion; sacroiliac joints; bony thorax (sternum, sternoclavicular joints, ribs); digestive system; urinary system; biliary tract and gallbladder; abdomen; pelvis; femur; and hip radiography. Students are required to successfully complete 15 clinical competency examinations supervised by a registered radiographer or clinical instructor. Clinical experience in hospital environment for 16 weeks, four days a week.

Pre-requisite: CL101M

ETH101 - Healthcare Ethics and Law ***Clock Hours: 24***

This course is designed to provide the student with a fundamental background in healthcare ethics and law. The historical and philosophical bases of ethics as well as the elements of ethical behavior are discussed. The student will examine a variety of ethical issues and dilemmas that occur in clinical practice. An introduction to legal terminology, concepts and principles will also be presented. Topics include misconduct, malpractice, unintentional and intentional torts, HIPAA standards and compliance, legal and professional standards and the ASRT scope of practice. The importance of proper documentation and informed consent will be emphasized.

Pre-requisites: RT101

POS201 - Advanced Radiographic Procedures ***Clock Hours: 24***

Advanced Radiographic Procedures will include radiographic anatomy and positioning terminology that are relevant to the following: contrast arthrography, long bone measurement, and radiography of the mouth, salivary glands and anterior neck, reproductive systems, and mammography. Additional topics include radiation oncology, ultrasound, nuclear medicine, and bone densitometry.

Pre-requisite: POS102

BIO201 - Radiation Biology & Protection ***Clock Hours: 32***

This course provides the student with information on the fundamental principles of radiation protection and radiation biology. Knowledge provided in this course is essential to understanding the biological effects of ionizing radiation and radiation protection at a basic scientific level and will serve as a standard for radiographers to promote the safe use of medical ionizing radiation. The course includes the study of legal and ethical radiation protection responsibilities of radiation workers, personnel monitoring devices, public and occupational dose limits, theory and operation of radiation detection devices, and state regulations governing radiation protection practices. Additional topics include the study of radiation sources, units of measure, effective dose limits, and biologic effects of radiation.

Pre-requisite: PHY102

CL103M - Intermediate Clinical Experience I ***Clock Hours: 384***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning with emphasis on the skull, facial bones, and paranasal sinuses. Students are

required to successfully complete 15 clinical competency examinations supervised by a registered radiographer or clinical instructor.

Clinical experience in hospital environment for 12 weeks, four days a week.

Pre-requisite: CL102M

SP201 - Special Procedures in Radiologic Technology ***Clock Hours: 24***

This course is designed to advance the student's knowledge of specialized procedures in the imaging department. The material presented will enable a student to recognize the structure and organs visualized in a radiograph, and to correctly position a patient for various advanced and special radiologic examinations. Special Procedures will include vascular; cardiac and interventional radiography; central nervous system; magnetic resonance imaging; and computed tomography.

Pre-requisite: POS202

RT202 - Radiographic Analysis ***Clock Hours: 32***

This course is designed to provide a basis for analyzing the radiographic quality of the following procedures: chest, abdomen, upper extremities, shoulder girdle, lower extremities, hip/pelvis, spine, skull, facial bones, gastrointestinal tract, and pediatric radiography. The students will demonstrate patient assessment, proper positioning, exposure factors, and radiation protection. Included are the importance of minimum imaging standards, discussion of a problem-solving technique for image evaluation and the factors that can affect image quality.

Pre-requisite: TECH101, TECH102

CL201M - Intermediate Clinical Experience II ***Clock Hours: 384***

Supervised sessions emphasizing development of medical imaging skills. Practical application of radiographic positioning. Students are required to successfully complete 20 clinical competency

examinations supervised by a registered radiographer or clinical instructor. Clinical experience in hospital environment for 16 weeks, four days a week.

Pre-requisite: CL103M

PATH201 - Radiographic Pathology ***Clock Hours: 32***

This course is designed to introduce concepts related to disease and etiological considerations with emphasis on radiographic appearance of disease and impact on exposure factor selection. The material covered should enhance the students' knowledge regarding interpretation of clinical information provided on the requisition and/or patient's chart. Case studies and critical thinking exercises allow the student the opportunity to consider the relevance of radiographic procedures with regard to technical and patient considerations. The course also includes a written research paper on a chosen pathology with oral presentation.

Pre-requisite: Anatomy and Physiology (Program Prerequisite)

REG201 - Registry Review I ***Clock Hours: 32***

This course provides a review of basic knowledge from previous courses and helps the student prepare for national certification examinations for radiographers. Topics include: image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

Pre-requisite: Departmental Approval

REG202 - Registry Review II ***Clock Hours: 32***

This course is a continuum of Registry Review I in preparation for the ARRT Registry Examination. This course provides a review of basic knowledge from previous courses and helps the student prepare for the national certification examination for radiographers. Topics include image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

Pre-requisite: REG201

CL202M - Advanced Clinical Experience ***Clock Hours: 384***

Supervised sessions emphasizing practical application of radiographic positioning with clinical experience. Emphasis on enhanced student knowledge of pathology and the relation to radiographic imaging quality. Clinical experience will be in the hospital environment for 16 weeks, three days a week.

Pre-requisite: CL201M

Appears on pages 296-300 in the originally published catalog effective August 1, 2025.

Paramedic Education Program

Program Snapshot: Paramedic Education	
Program Director	Hugh Dodd, MSN, RN, EMT-P, FESI II
Location	Akron General 1 Akron General Ave Akron, OH 44307
Clock Hours	962
Program Length	42 weeks / 10 months
Delivery Method	Residential
Total Cost (tuition + fees)	$6,600

Appears on page 200 in the originally published catalog effective August 1, 2025.

Post-Primary Magnetic Resonance Imaging

Course Descriptions

MRI104 - Introduction to MRI (Online) ***Clock Hours: 24***

This course is delivered online and provides the student with information necessary to enter into the magnetic resonance imaging clinical setting. Topics to include: Basic principles; screening procedures; patient monitoring; dose; safety precautions; contrast agents used; contraindications; equipment operated; professional roles and behavior; processing of images; routine examinations and protocols utilized; image artifacts; and compensation. Students will receive an introduction to the physics associated with magnetic resonance imaging.

Pre-requisite: Admission to the program

MRI102 - Cross Sectional Anatomy & Pathology ***Clock Hours: 40***

This course is delivered in a traditional classroom style and provides the student with fundamental anatomy and pathology associated with computed tomography and magnetic resonance imaging of the head, neck, face, spine, thorax, abdomen, pelvis, and upper and lower extremities. The various structures will be demonstrated in the axial, sagittal and coronal imaging planes.

Pre-requisite: Admission to the program

MRI103 - MRI Physics (residential)* ***Clock Hours: 48***

This course is delivered in a traditional classroom style or online and provides the student with the principles of MRI scanning and the physics related to obtaining an MRI signal. Topics will include: Image weighting and contrast; spatial encoding and image formation; parameters and trade-offs; pulse sequences; flow phenomena; artifacts and their compensation; vascular and cardiac imaging; contrast agents; functional imaging techniques; instrumentation; and equipment.

*Pre-requisite**:*** Program approval

MRI201 – MRI Physics (online)* ***Clock Hours: 48***

This course is delivered in a traditional classroom style or online and provides the student with the principles of MRI scanning and the physics related to obtaining an MRI signal. Topics will include: Image weighting and contrast; spatial encoding and image formation; parameters and trade-offs; pulse sequences; flow phenomena; artifacts and their compensation; vascular and cardiac imaging; contrast agents; functional imaging techniques; instrumentation; and equipment.

Pre-requisite: Program Approval

MRI200 - MRI Clinical Experience ***Clock Hours: 300***

Magnetic resonance imaging technologists are highly skilled professionals who use powerful magnets to obtain detailed images of the various structures in the human body. MRI technologists must have the ability to interact effectively with physicians and compassionately toward patients.The clinical portion of the MRI Program is designed to prepare students to be competent, efficient working technologists. Upon successful completion of the MRI clinical course, students will have met the examination requirements for the ARRT and be eligible to sit for the MRI certification exam.

Pre-requisite: Introduction to Magnetic Resonance Imaging

*Students will only take MRI103 OR MRI201, and taking either requires program approval.

Appears on pages 301-302 in the originally published catalog effective August 1, 2025.

Primary Magnetic Resonance Imaging

Program Snapshot: Primary Magnetic Resonance Imaging	
Program Director	Halley Majersky, MEd, R.T.(R)(M)(CT)(MR)
Location	CCAC – Building 2 25900 Science Park Drive Beachwood, OH 44122
Clock Hours	1776
Program Length	69 weeks / 16 months
Delivery Method	Residential
Total Cost (tuition + fees)	$14,050

Appears on page 240 in the originally published catalog effective August 1, 2025.

Course Descriptions

MR300 - Cross Sectional Anatomy ***Clock Hours: 64***

This course provides the student with fundamental anatomy and physiology associated with magnetic resonance imaging of the head, neck, face, spine, thorax, abdomen, pelvis, upper and lower extremities. The various structures will be demonstrated in the axial, sagittal and coronal imaging planes.

Pre-requisite: Admission to the program

MR301 - Procedures I ***Clock Hours: 64***

Introduces the basic principles of MR safety, covers the basic concepts of patient management, and teaches the education of patients and ancillary staff on magnet safety. Because patient and magnet-related emergencies represent a unique situation to an MRI technologist, recommended procedures and responsibilities of the technologist will be discussed. Other topics that will be introduced include contrast agents used, contraindications, processing of images, routine examinations and protocols utilized, image artifacts, and compensation.

Pre-requisite: Admission to the program

RT101 - Patient Care in Radiology ***Clock Hours: 64***

This course provides an overview imaging to the basic concepts of patient care, infection control, and the role of a technologist as a member of the health care team. Content includes pharmacology and

administration of diagnostic contrast agents and/or intravenous medications, patient assessment, and vital signs. Topics include: critical thinking, history of imaging, professional roles and behavior, professional attitudes and communications. Also included will be hospital and departmental organization, and hospital and program affiliation.

Pre-requisite: Admission to the program

MR302 - MRI Scanning Lab I ***Clock Hours: 32***

Computer simulation software to provide the student with practical scanning practice under the direction of program instructors.

Pre-requisite: Admission to the program

MR303 - Introductory Clinical Experience I ***Clock Hours: 112***

Supervised sessions emphasizing development of medical imaging skills. Practical application of MRI imaging with an emphasis on safety, orientation to the equipment, proper scanning positions and planes, and general patient care. Designed to give the student an introduction to the basics of magnetic resonance imaging in the clinical setting.

Pre-requisite: Admission to the program

MR304 - Procedures II ***Clock Hours: 32***

Expands on the information covered during MRI 301 Procedures I and provides the student with imaging techniques related to the central nervous system CNS, neck, thorax, musculoskeletal MSK system, and abdominopelvic regions. Covers specific clinical application, coils available and their use, considerations in scan sequences, specific choices in protocols (e.g., slice thickness, phase direction, and flow compensation), and positioning criteria. Anatomical structures and the plane that best demonstrates anatomy are discussed as well as signal characteristics of normal and abnormal structures.

Pre-requisite: MR301

MR305 - Physics I ***Clock Hours: 32***

Provides the student with a comprehensive overview of MRI imaging principles to include history, safety, nuclear MR signal production, tissue characteristics, pulse sequences, imaging parameters/options and image formation, image contrast, magnetism, properties of magnetism, MRI system components, MRI magnet (permanent, resistive, superconducting, hybrid), radiofrequency RF pulse systems, gradient systems, shim systems, and shielding.

Pre-requisite: Admission to the program

MR306 - Intermediate Clinical Experience I ***Clock Hours: 448***

Supervised sessions emphasizing development of medical imaging skills. Practical application of MRI imaging with an emphasis on safety, orientation to the equipment, proper scanning positions and planes, and general patient care. Students are required to successfully complete required clinical competency examinations supervised by a registered MRI technologist or clinical preceptor.

Pre-requisite: MR303

MR307 - Physics II ***Clock Hours: 24***

Continues to provide the student with a comprehensive knowledge of MRI imaging principles, knowledge of the parameters and imaging options used to create MRI images and introduces quality control measures used to maintain image quality. Provides a comprehensive overview of the instrumentation associated with MRI pulse sequences to include spin echo, fast spin echo, gradient echo, inversion recovery, echo planar, parallel imaging, and spectroscopy. Other topics include pulse sequencing, imaging parameters/options and image formation, image contrast, contrast agents, advanced imaging, and post processing techniques.

Pre-requisite: MR305

MR308 - MRI Pathology ***Clock Hours: 32***

Introduces concepts related to disease and etiological considerations with an emphasis on their appearance on MRI images using various sequences. The information covered should enhance the students' knowledge regarding interpretation of clinical information provided on the requisition and/or the patient's chart. The course will include a written research paper on a chosen pathology with an oral presentation.

Pre-requisite: MR300

ETH101 - Healthcare Ethics and Law ***Clock Hours: 24***

This course is designed to provide the student with a fundamental background in healthcare ethics and law. The historical and philosophical bases of ethics as well as the elements of ethical behavior are discussed. The student will examine a variety of ethical issues and dilemmas that occur in clinical practice. An introduction to legal terminology, concepts and principles will also be presented. Topics include misconduct, malpractice, unintentional and intentional torts, HIPAA standards and compliance, legal and professional standards and the ASRT scope of practice. The importance of proper documentation and informed consent will be emphasized.

Pre-requisite: Admission to the program

MR309 - Intermediate Clinical Experience II ***Clock Hours: 336***

Supervised sessions emphasizing development of medical imaging skills. Practical application of MRI imaging with an emphasis on safety, orientation to the equipment, proper scanning positions and planes, and general patient care. Students are required to successfully complete required clinical competency examinations supervised by a registered MRI technologist or clinical preceptor.

Pre-requisite: MR306

MR310 - Advanced Imaging ***Clock Hours: 32***

Discussion of advanced MRI imaging topics to include fusion imaging, neurography, 3D printing and modeling, and remote scanning. Discussion of emerging trends in MRI to include artificial intelligence, quantitative MR, and MR lymphangiography. Guests with experience in these areas will be invited to speak.

Pre-requisite: MR304, MR307

MR311 - Registry Review ***Clock Hours: 32***

Provides a review of basic knowledge from previous courses and help the student prepare for the American Registry of Radiologic Technologist's ARRT National Registry Examination.

Pre-requisite: MR304, MR307

MR312 - Advanced Clinical Experience ***Clock Hours: 448***

Supervised sessions emphasizing development of medical imaging skills. Practical application of MRI imaging with an emphasis on safety, orientation to the equipment, proper scanning positions and planes, and general patient care. Students are required to successfully complete required clinical competency examinations supervised by a registered MRI technologist or clinical preceptor.

Pre-requisite: MR309

Appears on pages 303-305 in the originally published catalog effective August 1, 2025.

Faculty Entry Updates

Faculty entries have been updated to include new faculty, current job titles, accurate education information, and to omit contact information outlined previously in the originally published catalog effective August 1, 2025.

Beachwood Diagnostic Medical Sonography Program

Angela Perry, BSAS, RDMS, RVT, RMSKS, Program Director/Full-time Faculty

Education: Diploma, Sanford-Brown College
Program: Diagnostic Medical Ultrasound

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Amy Varcelli, BSAS, RDMS, RVT, RMSKS, Full-time Faculty/Clinical Coordinator

Education: Associate of Applied Science, Cuyahoga Community College
Major: Diagnostic Medical Sonography

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health
Minor: General Psychology

Amy Headley, AIS, RDMS, RDCS, Full-time Faculty

Education: Diploma, Sanford-Brown College
Program: Diagnostic Medical Sonography

Associate of Individualized Studies, Youngstown State University
Major: Individualized Studies

Mike Manning, BA, R.T.(R)(CT), Full-time Faculty

Education: Associate of Applied Science, Cuyahoga Community College
Major: Radiography

Bachelor of Arts, Ohio State University
Plan: Aviation-Arts and Sciences Major

Appears on page 58 in the originally published catalog effective August 1, 2025.

Beachwood Radiologic Technology Program

Halley Majersky, MEd, R.T.(R)(M)(CT)(MR), Program Director/Full-time Faculty

Education: Certificate, Trumbull Memorial Hospital School of Radiologic Technology
Major: Radiologic Technology

Diploma, School of Diagnostic Imaging / Cleveland Clinic
Major Program: Magnetic Resonance Imaging

Associate of Technical Study, Kent State University
Major: Radiologic Technology

Bachelor of Radiologic Imaging Science, Kent State University
Major: Radiologic and Imaging Science
Major/Concentration: Computed Tomography Hospital/ATS

Master of Education, Cleveland State University
Plan: Adult Learning & Development

Kevin McDermott, MEd, R.T.(R), Full-time Faculty/Clinical Coordinator

Education: Associate of Applied Science, Cuyahoga Community College
Major: Radiography

Bachelor of Science, Kent State University
Major: Electronic Media
Major Concentration: Electronic Media Production

Master of Education, Cleveland State University
Major: Health Professions Education

Jennifer Bridge, BRS, R.T.(R)(CT), Full-time Faculty

Education: Diploma, School of Diagnostic Imaging / Cleveland Clinic
Computed Tomography

Diploma, School of Diagnostic Imaging / Cleveland Clinic
Major Program: Radiologic Technology

Associate of Applied Science, Cuyahoga Community College
Major: Sport & Exercise Studies

Associate of Applied Science, Cuyahoga Community College
Major: Radiography

UCBA Baccalaureate, University of Cincinnati
Plan: Blue Ash College - Radiation Science Major

Mike Manning, BA, R.T.(R)(CT), Full-time Faculty

Education: Associate of Applied Science, Cuyahoga Community College
Major: Radiography

Bachelor of Arts, Ohio State University
Plan: Aviation-Arts and Sciences Major

Appears on pages 74-75 in the originally published catalog effective August 1, 2025.

Cardiac Ultrasound Program

Amy Dillenbeck, MS, ACS, RDCS, RCS, FASE, Program Director/Full-time Faculty

Education: Diploma, Institute of Medical Ultrasound
Program: Diagnostic Medical Sonography
Major: Cardiac Ultrasound

Bachelor of Science, Clemson University
Major: Health Science
Major Concentration: Preprofessional Health Studies

Master of Science, University of South Carolina
Major: Exercise Science

Certificate of Graduate Study, University of South Carolina
Major: Gerontology

Melinda Imbrogno, BBA, RDCS, FASE, Full-time Faculty/Clinical Coordinator

Education: Associate of Applied Science, Cuyahoga Community College
Major: Diagnostic Medical Sonography

Bachelor of Business Administration, University of Toledo
Major: Marketing

Appears on page 90 in the originally published catalog effective August 1, 2025.

Cardiovascular Perfusion Program

Chris Koehler, CCP, BS, Program Director/Full-time Faculty

Education: Certificate, Cleveland Clinic School of Cardiovascular Perfusion
Postgraduate Program: Cardiovascular Perfusion

Bachelor of Science, United States Naval Academy
Major: English

Clifford Ball, CCP, Assistant Program Director/Part-time Faculty

Education: Certificate, Cleveland Clinic School of Perfusion
Perfusion

Bachelor of Arts, Washington & Jefferson College
Major: Chemistry & Economics

Vince Tobin, CCP, Part-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland Clinic Cardiovascular Perfusion Program
Major: Cardiovascular Perfusion

Bachelor of Science, The Catholic University of America
Concentration: Mathematics

Jennifer Connell, CCP, Part-time Faculty

Education: Certificate, Cleveland Clinic School of Cardiovascular Perfusion
Major: Cardiovascular Perfusion

Bachelor of Science, Gannon University
Major: Biology

Bachelor of Science, Case Western Reserve University
Plan: Pathology

Master of Business Administration, Carnegie Mellon University
Major: Management Science

Appears on pages 103-105 in the originally published catalog effective August 1, 2025.

Computed Tomography Program

Halley Majersky, MEd., R.T.(R)(M)(CT)(MR), Program Director/Full-time Faculty

Education: Certificate, Trumbull Memorial Hospital School of Radiologic Technology
Major: Radiologic Technology

Diploma, School of Diagnostic Imaging / Cleveland Clinic
Major Program: Magnetic Resonance Imaging

Associate of Technical Study, Kent State University
Major: Radiologic Technology

Bachelor of Radiologic Imaging Science, Kent State University
Major: Radiologic and Imaging Science
Major/Concentration: Computed Tomography Hospital/ATS

Master of Education, Cleveland State University
Plan: Adult Learning & Development

Kimberly Saghy, BAS, R.T.(R)(CT)(MR), MRSO, Full-time Faculty/Clinical Coordinator

Education: Associate of Applied Science, Lorain County Community College
Plan: Radiologic Technology

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Mike Manning, BA, R.T.(R)(CT), Full-time Faculty

Education: Associate of Applied Science, Cuyahoga Community College
Major: Radiography

Bachelor of Arts, Ohio State University
Plan: Aviation-Arts and Sciences Major

Appears on page 114 in the originally published catalog effective August 1, 2025.

Cytology Program

Bridgette Springer, MBA, CT(ASCP)^{CM}, Program Director/Full-time Faculty/Clinical Coordinator

Education: University of Pittsburgh Medical Center, Anisa. I. Kanbour, School of Cytotechnology
Clinical Program: Cytotechnology

Bachelor of Science, Slippery Rock University
Major: Biology-Cytotechnology

Master of Business Administration, Western Governors University
Major: Healthcare Management

Jessica Di Marco, CT(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland Clinic School of Cytotechnology
Program: Cytotechnology

Associate of Science, University of Akron
Program of Study: Science

Bachelor of Science, University of Akron
Program of Study: Biology

Appears on page 127 in the originally published catalog effective August 1, 2025.

Dietetic Internship Program

Elizabeth Friedel, MS, RD, LD, CNSC, Program Director/Full-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland Clinic Dietetic Internship
Program: Dietetic Internship

Bachelor of Science in Food and Nutrition Sciences, Ohio University
Program: Applied Nutrition Major

Master of Science in Food and Nutrition Sciences, Ohio University
Program: Food and Nutrition Sciences Major

Appears on page 140 in the originally published catalog effective August 1, 2025.

Medical Dosimetry

Jennifer Archambeau, MS, CMD, R.T.(R)(T), Program Director/Full-time Faculty

Education: Certificate, Cleveland Clinic Foundation
Program: Radiation Therapy Technology

Certificate, MetroHealth Medical Center School of Radiologic Technology
Program: Radiologic Technology

Bachelor of Science, University of Mary
Major: Radiologic Technology

Master of Science in Health Sciences, Cleveland State University
Plan: Health Sciences

Tara Gray, MSBS, MS, PhD, Part-time Faculty

Education: Bachelor of Science (Nuclear Engineering Sciences), University of Florida
Major: Nuclear Engineering Sciences

Master of Science, University of Toledo

Major: Medical Physics

Master of Science, University of Texas at San Antonio
Major: Physics

Doctor of Philosophy, University of Texas at San Antonio
Major: Physics

Matt Kolar, MS, DABR, Part-time Faculty

Education: Bachelor of Science, John Carroll University
Major: Engineering Physics

Master of Science in Physics, Cleveland State University
Major: Physics

Anthony Magnelli, MS, DARB, Part-time Faculty

Education: Bachelor of Science in Engineering, Case Western Reserve University
Major: Biomedical Engineering

Master of Science in Physics, Cleveland State University
Plan: Physics

Gina Wess, BS, CMD, R.T.(R)(T), Part-time Faculty

Education: Certificate, Cleveland Clinic School of Medical Dosimetry
Program: Medical Dosimetry

Certificate, Radiation Therapy, Ohio State University
Certificate, Radiologic Technology, Meridia Health System

Bachelor of Science, Ohio University
Program: Geologic Science Environmental Geology Major
Program: Chemistry Minor

Ping Xia, PhD, DARB, Part-time Faculty

Education: Undergraduate, Beijing Normal University
Major: Physics

Graduate, Beijing Normal University
Major: Theor. Physics

Doctor of Philosophy, University of Virginia
Major: Physics

Appears on pages 150-151 in the originally published catalog effective August 1, 2025.

Medical Laboratory Science Program

Barbara Zingale, MSIT, MLS(ASCP)^{CM}, Program Director/Full-time Faculty/Clinical Coordinator

Education: Bachelor of Science in Medical Technology, Florida Atlantic University
Major: Medical Technology

Master of Science, Capella University
Program: MS in Information Technology
Plan: Specialization in Project Management

Sonja Bruketa, MLS(ASCP), Full-time Faculty/Clinical Coordinator

Education: Certificate, The John Weaver King School of Medical Technology of The Cleveland Clinic Educational Foundation
Program: Medical Technology

Bachelor of Science, Cleveland State University
Plan: Biology – Medical Technology

Ryan Collison, MEd, MLS(ASCP)^{CM}SC^{CM}, Full-time Faculty/Clinical Coordinator

Education: Bachelor of Science, Shippensburg University of Pennsylvania
Major: Biology
Major Concentration: Medical Technology

Bachelor of Science, Shippensburg University of Pennsylvania
Major: Medical Technology

Master of Education, Cleveland State University
Major: Health Professions Education

Gerald Hicks, MBA, MLT(AMT), PBT(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Associate of Science, Lorain County Community College
Major: General Science

Associate of Applied Science, Minnesota North College
Major: Medical Laboratory Technician

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Master of Business Administration, University of Northwestern Ohio

Rita Khongphatthana, MLS(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Bachelor of Science, Kent State University
Major: Medical Technology

Erick Tobin, M(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Bachelor of Applied Health Science, Bowling Green State University
Plan: With a Specialization in Applied Microbiology

Hilary Klenjoski, MLS(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland Clinic School of Medical Laboratory Science
Program: Medical Laboratory Science

Bachelor of Science, Baldwin Wallace University

Major: Biology
Minor: Chemistry

Kaitlin Landfried, MLS(ASCP)^{CM}, Full-time Faculty/Clinical Coordinator

Education: Bachelor of Science, Pennsylvania Western University
Major: Molecular Biology
Major: Medical Technology

Amy Miller, MLS(ASCP)^{CM}, *Full-time Faculty/Clinical Coordinator*

Education: Bachelor of Science, Miami University
Major: Medical Laboratory Science

Bachelor of Arts, Miami University University
Major: Biology

Pinal Patel, MBA, MLS(ASCP)^{CM}, *Full-time Faculty/Clinical Coordinator*

Education: Bachelor of Science, Youngstown State University
Major: Medical Laboratory Science

Master of Business Administration, Western Governors University
Major: Healthcare Management

Appears on pages 161-162 in the originally published catalog effective August 1, 2025.

Mercy Diagnostic Medical Sonography Program

Susan Bielanski, BS, RDMS, Program Director/Full-time Faculty

Education: Associate of Applied Sciences, Owens Community College
Major: Diagnostic Medical Sonography

Bachelor of Science, Adventist University of Health Sciences
Major: Diagnostic Medical Sonography

Lisa Kulhanek, BS, RDMS, R.T.(R), Full-time Faculty/Clinical Coordinator

Education: Certificate, Mercy Medical Center School of Diagnostic Sonography
Program: Diagnostic Medical Sonography

Diploma, Summa Health System
Program: Radiologic Technology

Associate of Applied Science, University of Akron
Major: Radiologic Technology

Bachelor of Science, Kent State University
Major: Technology
Minor: Business Management

Appears on pages 176-177 in the originally published catalog effective August 1, 2025.

Mercy Radiologic Technology

Devin Johnson, MBA, R.T.(R)(MR)(CT), Program Director/Full-time Faculty

Education: Diploma, Mercy Medical Center Radiography School
Major: Radiography

Diploma, Cleveland Clinic School of Diagnostic Imaging
Major Program: Computed Tomography & Magnetic Resonance Imaging

Bachelor of Science, Saint Joseph's College of Maine
Major: BS Radiologic Science Administration

Master of Business Administration, Youngstown State University
Major: Healthcare Management

Emily Hendricks, BS, R.T.(R), Full-time Faculty/Clinical Coordinator

Education: Diploma, Mercy Medical Center School of Diagnostic Radiologic Technology
Major: Radiologic Technology

Associate of Applied Science, University of Akron
Major: Radiologic Technology

Bachelor of Science, Saint Joseph's College of Maine
Major: BS Radiologic Science Administration

Appears on page 187 in the originally published catalog effective August 1, 2025.

Paramedic Education

Hugh Dodd, MSN, RN, EMT-P, FESI II, Program Director/Full-time Faculty

Education: Associate in Applied Science, Southern Maine Community College
Major: Emergency Medical Services/Paramedicine

Associate of Applied Science, Stark State College
Major: Nursing-Paramedic to RN

Bachelor of Arts (Music), University of Washington

Master of Science in Nursing, Quinnipiac University

Jeremy Albert, BS, CP-C, NRP, Full-time Faculty/Clinical Coordinator

Education: Associate of Arts, Cuyahoga Community College
Major: Paramedic-CER

Bachelor of Science, Carlow University
Major: Healthcare Management
Minor: Healthcare Data Analytics

Jacqueline Ashworth, BBA, EMT-P, FESI II Program Manager/Full-time Faculty

Education: Bachelor of Science in Business Administration, Columbia Southern University

Major: Human Resources Management

Certificate, Wittenberg University
Major: Organizational Leadership

Associate of Applied Business, Clark State Community College
Major: Business Management Technology
Certificate: Accounting

Appears on page 201 in the originally published catalog effective August 1, 2025.

Phlebotomy Program

Gerald Hicks, MBA, MLT(AMT), PBT(ASCP)^{CM}, Program Director/Full-time Faculty/Clinical Coordinator

Education: Associate of Science, Lorain County Community College
Plan: General Science

Associate of Applied Science, Minnesota North College
Major: Medical Laboratory Technician

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Master of Business Administration, University of Northwestern Ohio

Appears on page 218 in the originally published catalog effective August 1, 2025.

Post-Primary Magnetic Resonance Imaging Program

Halley Majersky, MEd., R.T.(R)(M)(CT)(MR), Program Director/Full-time Faculty

Education: Certificate, Trumbull Memorial Hospital School of Radiologic Technology
Major: Radiologic Technology

Diploma, School of Diagnostic Imaging / Cleveland Clinic
Major Program: Magnetic Resonance Imaging

Associate of Technical Study, Kent State University
Major: Radiologic Technology

Bachelor of Radiologic Imaging Science, Kent State University
Major: Radiologic and Imaging Science
Major/Concentration: Computed Tomography Hospital/ATS

Master of Education, Cleveland State University
Plan: Adult Learning & Development

Kimberly Saghy, BAS, R.T.(R)(CT)(MR), MRSO, Full-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland State University
Major: Adult Learning and Development (ALD)

Associate of Applied Science, Lorain County Community College
Plan: Radiologic Technology

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Gabriel Kroupa, MPH, R.T.(N)(MR), MRSO, Full-time Faculty

Education: Certificate, Magnetic Resonance Imaging, Cleveland Clinic School of Diagnostic Imaging

Bachelor of Science, University of Findlay
Major: Nuclear Medicine Technology
Minor: Biology

Master of Public Health, Kent State University
Major: Health Policy and Management

Appears on page 228 in the originally published catalog effective August 1, 2025.

Primary Magnetic Resonance Imaging Program

Halley Majersky, MEd., R.T.(R)(M)(CT)(MR), Program Director/Full-time Faculty

Education: Certificate, Trumbull Memorial Hospital School of Radiologic Technology
Major: Radiologic Technology

Diploma, School of Diagnostic Imaging / Cleveland Clinic
Major Program: Magnetic Resonance Imaging

Associate of Technical Study, Kent State University
Major: Radiologic Technology

Bachelor of Radiologic Imaging Science, Kent State University
Major: Radiologic and Imaging Science
Major/Concentration: Computed Tomography Hospital/ATS

Master of Education, Cleveland State University
Plan: Adult Learning & Development

Kimberly Saghy, BAS, R.T.(R)(CT)(MR), MRSO, Full-time Faculty/Clinical Coordinator

Education: Certificate, Cleveland State University
Major: Adult Learning and Development (ALD)

Associate of Applied Science, Lorain County Community College
Major: Radiologic Technology

Bachelor of Science in Applied Science, Youngstown State University
Major: Allied Health

Gabriel Kroupa, MPH, R.T.(N)(MR), MRSO, Full-time Faculty

Education: Certificate, Magnetic Resonance Imaging, Cleveland Clinic School of Diagnostic Imaging

Bachelor of Science, University of Findlay
Major: Nuclear Medicine Technology
Minor: Biology

Master of Public Health, Kent State University
Major: Health Policy and Management

Mike Manning, BA, R.T.(R)(CT), Full-time Faculty

Education: Associate of Applied Science, Cuyahoga Community College
Major: Radiography
Bachelor of Arts, Ohio State University
Plan: Aviation-Arts and Sciences Major

Appears on pages 241-242 in the originally published catalog effective August 1, 2025.

Program Admissions Information and Technical Standards Updates

Admissions information for SOHP Programs has been updated to include revised Technical Standards, Admissions Requirements, and Admissions Processes as previously outlined in the originally published catalog effective August 1, 2025..

Beachwood Diagnostic Medical Sonography

Technical Standards

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging.
2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.
3. Candidates must be able to move a minimum of thirty (30) pounds and be able to support up to 175 lbs. Sonographers must assist, support and move patients to and from wheelchairs and carts onto Sonographic examination tables.
4. Sonographers work in a stationary position, sometimes for hours. Candidates must be able to move among different scanning and patient care areas.
5. Sonographers must be able to instruct patients and be able to express concern and empathy for them. Candidates must possess good communications skills as evidenced from the application and interview process. Sonographers must perform data entry with efficiency and accuracy.
6. Candidates must be mentally and physically capable of fulfilling the objectives of the Beachwood Diagnostic Medical Sonography Program.

Admission Requirements

Individuals applying to the Beachwood Diagnostic Medical Sonography Program must meet the following requirements:

1. Possesses a high school diploma or earned a certificate of equivalent education recognized by the U.S. Department of Education.
2. All courses must be college credit courses with a “C” grade or higher while maintaining a minimum GPA of 2.75. These courses must be from a regionally accredited college and have a traditional letter grade. The Beachwood Diagnostic Medical Sonography Program does not accept the pass/no pass grading option.
3. Satisfied the following college-level coursework requirements:
    - Anatomy & Physiology I & II (To have been completed within the last five years)
    - Medical Terminology
    - College-level Algebra
    - Physics for Allied Sciences (or College Physics)
    - Interpersonal Communications (or English equivalent)

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

The Beachwood Diagnostic Medical Sonography Program does not accept advanced placement, transfer students or transfer credits from any college or sonography program.

All previously completed courses must have a traditional letter grade. Candidates who meet most of the requirements may be considered if there is evidence that they will meet the requirements prior to the beginning of the program. The Beachwood Diagnostic Medical Sonography Program does not accept the pass/no pass grading option. Credit(s) earned at other institutions or programs will be evaluated by the Admissions Committee using transfer.org to determine if they meet the program requirements.

Conditional Admittance

Applicants who have completed Anatomy & Physiology I and are registered for Anatomy & Physiology II in the current semester of application, may still apply to the program. Applicants must provide documentation confirming enrollment in Anatomy & Physiology II at the time of application.

To remain eligible for the program, applicants must successfully complete Anatomy & Physiology II by the end of the current semester. Before the first day of the program, applicants must submit an updated official transcript demonstrating:

- Successful completion of Anatomy & Physiology II with a grade of “C” or higher,
- A minimum cumulative GPA of 2.5,
- A minimum GPA of 2.75 in all prerequisite courses.

Failure to meet these requirements or to submit an updated transcript by the stated deadline will render the applicant ineligible to begin the program.

Applicants completing other prerequisite courses, may still apply to the program. Acceptance into the program will be contingent upon successful completion of all current prerequisites and submission of updated documentation as outlined above.

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- **American Heart Association (AHA)** Basic Life Support
- **CPR/AED for the Professional Rescuer** from the American Red Cross

Applicants must upload proof of current certification to their applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Application Process

The Beachwood Diagnostic Medical Sonography Program uses a selective process to determine which students will be accepted into the program. Acceptance into the program is based on a point system that includes scores from a behavior-based interview, high school and college GPAs, and the number of additional science and math classes with a grade of "C" or better. The higher the grade on the science and math courses, the more points awarded.

The program accepts up to ten (10) students each year based upon clinical site availability. Acceptance letters will be emailed approximately one month after the interview process has been completed. The Beachwood Diagnostic Medical Sonography Program starts each year in August.

The Beachwood Diagnostic Medical Sonography Program accepts applications year-round. The application deadline each year is February 1 to be considered for the Fall Semester start date. Please select ‘Fall 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Beachwood Diagnostic Medical Sonography Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Upload a copy of your current American Heart Association (AHA) Basic Life Support or American Red Cross CPR/AED for the Professional Rescuer certification to your applicant portal in Campus Cafe.**
5. If the applicant’s native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the

TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

6. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. High school transcript or GED is also required. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. Once received, the transcripts will be uploaded to your applicant portal by program administration.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the “Conditional Admittance” section for more information.

Additionally, applicants should be aware of the following:

1. Applicants are encouraged to submit **all required** documents by February 1st.
2. Applicants may be considered who meet most of the requirements if there is evidence that they will meet the requirements prior to the beginning of the program.
3. All qualified candidates must participate in a behavior-based interview by the members of the selection committee after completing the application process. Behavior-based interviews will be scheduled in February/March for applicants who have met the previous qualifications. The purpose of the behavior-based interview is to assess communication and critical thinking skills.
4. Applicants must provide a current e-mail address with their application. This is needed to contact you for clinical observation and for access to the program learning management system. No application will be processed without a valid and current email address.
5. Must complete the college credit course prerequisites. The program is not able to offer placement tests for the prerequisite courses.
6. Applicants accepted into the program must submit a $300 non-refundable tuition deposit which is applied to the first semester tuition.
7. If you intend to complete a prerequisite course after submitting your application but before the program begins, you must provide proof of course registration in your Campus Café applicant portal upon receiving a conditional offer of admission. See “Conditional Admittance” section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Café. The TB test must be completed within 12 months prior to the start of the program.

4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Café.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

If accepted contingent upon successful completion of prerequisite coursework, submit your official transcript showing completion of Anatomy & Physiology II, and all other pre-requisite courses before the first day of the program. See “Conditional Admittance” section for more information.

Appears on pages 60-61 in the originally published catalog effective August 1, 2025.

Beachwood Radiologic Technology Program

Technical Standards

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging, and they must be able to accurately interpret numbers on a technique chart.
2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.
3. Candidates must be able to move a minimum of thirty (30) pounds and be able to support up to 175 lbs. Radiographers must assist, support and move patients to and from wheelchairs and carts onto examination tables.
4. Radiographers work in one position, sometimes for hours. Candidates must be able to move among different imaging areas and patient care areas.
5. Radiographers must be able to instruct patients and be able to express concern and compassion for them. Candidates must possess good communications skills as evidenced from the application and interview process. Radiographers must perform data entry with efficiency and accuracy.
6. Candidates must be physically and mentally capable of fulfilling the objectives of the Beachwood Radiologic Technology Program.

Admissions Requirements

Individuals applying to the Beachwood Radiography Program must meet the following requirements:

1. Must be a high school graduate or have earned a certificate of equivalent education recognized by the U.S. Department of Education.
    - If a student has attended high school or college in another country the student must submit an official translated transcript.
2. Applicants must have completed the following college credit prerequisites with a grade “C” or better while maintaining a minimum GPA of 2.75.
    - Medical Terminology
    - Anatomy & Physiology I, completed within the last five years
    - Anatomy & Physiology II, completed within the last five years
        - Or Anatomy & Physiology for Medical Imaging at Cuyahoga Community College, completed within the last five years
    - Only have 1-2 college credits to complete toward an associate degree

The Beachwood Radiologic Technology Program does not accept advanced placement, transfer students or transfer credits from any college or radiography program.

Conditional Admittance

Applicants who have completed Anatomy & Physiology I and are registered for Anatomy & Physiology II in the term of application, may still apply to the program. Applicants must provide documentation confirming enrollment in Anatomy & Physiology II.

To remain eligible for the program, applicants must successfully complete Anatomy & Physiology II during the application semester. Before the first day of the program, applicants are required to submit an updated official transcript demonstrating:

- Successful completion of Anatomy & Physiology II with a grade of “C” or higher,
- A minimum GPA of 2.75 in all prerequisite courses.

Failure to meet these requirements or to submit an updated transcript by the stated deadline will render the applicant ineligible to begin the program.

The program will accept BIO 1221 – Anatomy & Physiology for Diagnostic Medical Imaging from Cuyahoga Community College (Tri-C) as a prerequisite for this program.

Applicants completing other prerequisite courses may still apply to the program. Acceptance into the program will be contingent upon successful completion of all current prerequisites and submission of updated documentation as outlined above.

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support
- CPR/AED for the Professional Rescuer from the American Red Cross

Applicants must upload proof of current certification to their applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Prerequisites

All courses must have a traditional letter grade.

The Beachwood Radiologic Technology Program does not accept the pass/no pass grading option. Credit(s) earned at other institutions or programs will be evaluated by the Admissions Committee using transfer.org to determine if they meet the program requirements.

Additionally, applicants should be aware of the following:

- When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.
- The program is not able to offer placement tests for the pre-requisite courses. In addition, the Beachwood Radiography Program does not accept advanced placement, transfer students, or transfer credits from any college or MRI program.
- Applicants must provide a current email address with their application. This is needed to contact you for clinical observation and for access to the program learning management system. No application will be processed without a valid and current email address.
- Applicants must participate in a behavior-based personal interview with program officials.

***Please note*:** If you have already completed a minimum of an associate’s degree, only the above pre-requisites are required. The degree does not have to be in the radiologic sciences.

Application Process

The Beachwood Radiologic Technology Program accepts applications year-round. The application deadline each year is February 1 to be considered for the Fall Semester start date. Please select ‘Fall 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Beachwood Radiologic Technology Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.

3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*

4. Upload a copy of your current Basic Life Support certification to your applicant portal in Campus Cafe. **

5. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

6. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. High school transcript or GED is also required. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. Once received, the transcripts will be uploaded to your applicant portal by program administration.

7. If you intend to complete a prerequisite course after submitting your application, but before the program begins, you must provide proof of course registration in your Campus Café applicant portal upon receiving a conditional offer of admission. See "Conditional Admittance" section for more information

Applicants should also be aware of the following:

- The deadline for applications for the August class is **Feb. 1**.
- Behavior-based interviews will be scheduled in February/March for applicants who have met the previous qualifications. The purpose of the behavior-based interview is to assess communication and critical thinking skills.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe; via DocuSign.

2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.

3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.

4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.

5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Café.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe; at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

If accepted contingent upon successful completion of prerequisite coursework, submit your official transcript showing completion of all prerequisites before the first day of the program. See “Conditional Admittance” section for more information.

Appears on pages 76-77 in the originally published catalog effective August 1, 2025.

Cardiac Ultrasound Program

Technical Standards

The following standards, demands and skills are the cornerstone of the healthcare environment. Standards are not conditions for admissions to the program, but they do indicate abilities and characteristics that are necessary to successfully complete the requirements of the Cardiac Ultrasound Program.

Behavioral Standards

With or without reasonable accommodations, the student must be able to accomplish the following safely, efficiently and competently:

- Demonstrate appropriate responses to situations involving the critically ill, medical emergencies and death.
- Prioritize and manage multiple tasks simultaneously.
- Understand and apply clinical instruction from department personnel.
- Interact effectively with patients, families, supervisors and co-workers from all backgrounds by demonstrating such qualities as respect, politeness, collaboration, teamwork and discretion.

Physical, Interpersonal, Communication, Mobility, Tactical, Hearing, and Visual Demands

- Positioning and/or roll patients from side to side when necessary
- Move or transfer patients out of a wheelchair, stretcher and other devices
- Moving heavy equipment including ultrasound machines, patient gurneys and other cardiovascular equipment

- Monitoring of patient in dim light
- Accurately analyze imaging and instrumentation monitors to acquire images of patient's anatomy at appropriate level within level of training
- Differentiate among subtle shades of color and greyscale used in imaging and other cardiovascular procedures
- Explaining a cardiovascular imaging examination or cardiovascular procedure to groups of medical professionals for critique, education and conferences
- Interpretation and analysis of data from patient charts and confirm procedural requests
- Correlate data for the purpose of performing an examination or cardiovascular procedure according to protocol, professional guidelines and hospital policies and procedures
- Accurately perform cardiovascular procedures appropriate within level of training
- Manipulate mechanical and patient care equipment. i.e., keyboards, dials, switches, push buttons, plug in devices and blood pressure equipment
- Utilize devices such as laser printers and have a working knowledge of digital devices such as personal computers, tablets and intelligent phones
- Respond appropriately to equipment signals such as sound and lights
- Use hospital lab equipment which requires fine motor skills, coordination and dexterity
- Performing examinations on patients of varying body sizes
- Work in a stationary position for an extended period of time

Admissions Requirements

Admission to the Cardiac Ultrasound Program is a selective process and a limited number of applicants are accepted each year. The applicant should demonstrate a dependable, mature demeanor and interact well with other people. The student should have a genuine desire to care for the sick, and have the ability to work well under pressure.

The application process is open to applicants who meet all the following minimum criteria at the start of the program.

1. Be at least 18 years of age
2. Completion of either:
    - Associate's degree (healthcare field preferred)
    - Accredited allied health program
    - Bachelor's degree (any field)
3. Completion of the following prerequisite post-secondary coursework with a grade of C or better:
    - Anatomy and Physiology I with Lab
    - College Algebra or higher

- Communications (English, speech, composition course)
- Physics *(preferred but not required)*

4. Completion of a four-hour shadowing observation. Shadowing must be completed at any Cleveland Clinic facility and can be coordinated with the assistance of the Program Director if needed. Additional details are provided under "Admission documents and requirements" below.
5. Proof of current certification for **American Heart Association** Basic Life Support (BLS)

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

Conditional Admittance

Applicants who are currently enrolled in one or more of the program’s prerequisite courses may still apply before the deadline. Applicants must provide documentation confirming enrollment in all outstanding prerequisite courses at the time of application.

To remain eligible for the program, applicants must complete all prerequisite courses before the program start date. Before the first day of the program, applicants are required to submit an updated official transcript demonstrating:

- Successful completion of all prerequisite courses with a grade of “C” or higher in the following courses:
  - Anatomy and Physiology I with Lab
  - College Algebra or higher
  - Communications (English, speech, composition course)
  - Physics (preferred but not required)
- Failure to meet these academic requirements or submit the required documentation by the deadline will render the applicant ineligible to begin the program.

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support

Proof of certification must be uploaded to the applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Application Process

The Cardiac Ultrasound Program begins accepting applications March 1. The application deadline each year is June 1 to be considered for the Fall Semester start date. Please select ‘Fall 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Please note, if the application window of the Cardiac Ultrasound Program is closed it will not appear in the 'Program of Interest' list within the application. Applicants will only be able to submit their application when the application window is open.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk(*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
3. Compose an essay and upload the completed essay form to your applicant portal in Campus Cafe.
4. Schedule and complete the required shadowing experience and shadowing form and upload the completed shadowing form to your applicant portal in Campus Cafe.
5. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Cafe.
6. Upload a copy of your current American Heart Association (AHA) Basic Life Support certification to your applicant portal in Campus Cafe.**
7. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.
8. Request one professional and one personal recommendation letter. Recommendation letters are required to be submitted by the letter writer via email to CardiacUSProgram@ccf.org. The letters will be uploaded to your applicant portal by program administration.
9. Request official post-secondary transcripts. You are required to submit official transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 91-94 in the originally published catalog effective August 1, 2025.

Cardiovascular Perfusion Program

Technical Standards

Perfusionists require certain physical requirements to meet the demands of the profession. They must be able to transfer and move patients. Perfusionists must be able to work in a stationary position for extended periods. They must have the ability to work within guidelines of universal safety precautions, using protective gear. In the workplace, they must be willing to rotate 24-hour coverage (on-call) and be able to work under stressful conditions. They may be required to travel in an ambulance, small airplanes or helicopters for organ procurement.

In addition, students must possess the integrity, intelligence and personal and emotional characteristics to become an effective healthcare professional. The following represent a more detailed description of the physical requirements to succeed in the program.

Sensory and Motor Skills - Students and candidates for program admission should be able to:

- Move, manipulate, and transfer patients in a safe manner
- Move clinical equipment in a safe and controlled manner
- Demonstrate basic clinical skills related to the use of extracorporeal equipment, circuitry, and ancillary clinical patient care devices and equipment

- Execute quick and purposeful movements during emergency treatment of patients

Communication - Students and candidates for program admission should be able to:

- Possess excellent communication skills in English
- Produce and transmit patient information to members of the healthcare team
- Communicate with patients effectively with compassion and empathy
- Possess demonstrated reading skills at a sufficient grade level to accomplish curricular requirements
- Provide effective care to patients

Intellectual - Students and candidates for program admission should be able to:

- Measure, calculate, interpret, analyze, question, compile and evaluate information from various modalities to effectively evaluate extracorporeal equipment and treat patients
- Comprehend spatial relationships of structures and models
- Comprehend relationships between patient care parameters and anticipate cause and effect responses based on their actions and inactions
- Learn through a variety of teaching modalities including classroom lecture, cooperative learning, small group activities, medical simulation and laboratory exercises, individual and group presentations, and the use of technology assisted learning
- Make rapid decisions in life threatening situations where problem solving and critical thinking are required

Behavioral and Social Attributes - Students and candidates for program admission should be able to:

- Demonstrate emotional stability
- Exercise good judgment, prompt completion of all responsibilities related to care of patients and participation on a patient care team
- Develop mature and effective relationships with co-workers and patients
- Perform problem solving skills in a timely manner
- Tolerate physically demanding workloads
- Function effectively under stress
- Adapt to changing environments, display flexibility, and learn to function in an environment of uncertainty inherent in the clinical practice of cardiovascular perfusion
- Practice in a safe manner
- Respond appropriately to emergencies

- Treat all patients, families, colleagues, and other members of the health care team with dignity and respect
- Demonstrate honesty, integrity, dedication, compassion and motivation
- Accept constructive criticism and respond appropriately with an acceptable modification of behavior

Observation - Students and candidates for program admission should be able to:

- Visualize information presented in images from paper and projections such as PowerPoint slides and video
- Observe laboratory, lecture and clinical demonstrations
- Observe patients and members of the healthcare team accurately at a distance and close

Admissions Requirements

Applicants must submit evidence of the following before the application deadline:

1. Completion of a bachelor's level or higher degree from a regionally accredited college or university.
2. Completion of the following prerequisite coursework:
    - Anatomy and Physiology I & II, with labs, 8 credit hours
    - Biochemistry, with a lab, 4 credit hours
    - Biology I & II, with labs, 8 credit hours
    - Chemistry I & II, with labs, 8 credit hours
    - Pharmacology, 1 credit hours
    - Physics I & II, with labs, 8 credit hours
    - Statistics, 3 credit hours
3. Cumulative GPA of 3.0 in the prerequisite courses, with "B" letter grade or higher preferred for each course.
4. Applicants must demonstrate foundational communication abilities necessary for success in the academic and clinical components of the program. These may be assessed through written materials, interviews, and recommendations. Examples include:
    - Ability to express ideas clearly in written English.
    - Ability to engage in respectful and effective verbal communication.
    - Responsiveness and active listening in interpersonal interactions.
    - Willingness to reflect on feedback and adapt communication style.
5. Relevant experience

- Evidence of shadowing, research, work, or volunteer experience in healthcare or related technical fields is strongly preferred.
- Letters of recommendation from professionals who can speak to the applicant's academic readiness, professionalism, and interpersonal skills.

6. Motivation, problem solving, teamwork and career fit
    - Clear articulation of motivation for pursuing cardiovascular perfusion, understanding of the profession, and alignment with program values.
    - Clear and organized approach to problem solving.
    - Commitment to and experience with working in teams; good collaborator.

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an "F" and later earns a "C" in the same course, the program will use the "C" as the official grade for admissions/evaluation purposes.

Prerequisites do not expire, but it is recommended that the courses were completed within the past 10 years to be a more competitive candidate.

Application Process

The Cardiovascular Perfusion Program begins accepting applications January 1. The application deadline each year is September 1 to be considered for the Spring Semester start date. Please select 'Spring 20XX' in the 'Anticipated Starting Semester' field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
3. Complete the required shadowing experience and shadowing form and upload the completed shadowing form to your applicant portal in Campus Cafe.
4. Compose a written statement and upload the completed statement form to your applicant portal in Campus Cafe.
5. Complete a prerequisite course completion form and upload the completed form to your applicant portal in Campus Cafe.
6. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Cafe.
7. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the

TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

8. Request three recommendation letters (professional, academic, or personal). Recommendation letters are required to be submitted by the letter writer via email to PerfusionProgram@ccf.org. The letters will be uploaded to your applicant portal by program administration.
9. Upload your unofficial transcripts to your applicant portal in Campus Cafe. You are required to submit unofficial transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Official transcripts will be required if the applicant is accepted into the program.

Additionally, admission to the Cardiovascular Perfusion Program is a selective process that includes an interview.

Each applicant will be evaluated on a range of academic and non-academic attribute, based on information obtained from both the application materials collected and the interview. These attributes being evaluated include demonstrated emotional intelligence and stress management, ability to work effectively in team settings, strategies for resolving conflict, and a clearly expressed motivation and interest in the field of cardiovascular perfusion.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.

9. Request official transcripts. You are required to submit official transcripts from every school you have attended. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

10. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 105-107 in the originally published catalog effective August 1, 2025.

Computed Tomography Program

Technical Standards

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging, and they must be able to accurately interpret numbers on a technique chart.

2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.

3. Candidates must be able to move a minimum of thirty (30) pounds and be able to support up to 175 lbs. CT technologists must assist, support and move patients to and from wheelchairs and carts onto examination tables.

4. CT technologists work in one position, sometimes for hours. Candidates must be able to move among different imaging areas and patient care areas.

5. CT technologists must be able to instruct patients and be able to express concern and compassion for them. Candidates must possess good communications skills as evidenced from the application and interview process. CT technologists must perform data entry with efficiency and accuracy.

6. Candidates must be physically and mentally capable of fulfilling the objectives of the Beachwood Computed Tomography Program.

Admissions Requirements

Applicants to the Computed Tomography Program must:

- Be a registered technologist in radiography, nuclear medicine, or radiation therapy, or a student in the final year of one of the aforementioned programs. Registration must be through The American Registry of Radiologic Technologists (ARRT) or The Nuclear Medicine Technology Certification Board (NMTCB).

Conditional Admittance

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support
- CPR/AED for the Professional Rescuer from the American Red Cross

Applicants must upload proof of current certification to their applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Application Process

The Computed Tomography Program accepts applications year-round. The application deadline each year is July 31 to be considered for the Fall Semester start date. Please select 'Fall 20XX' in the 'Anticipated Starting Semester' field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Computed Tomography Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Complete the Distance Education Technology Review and Acknowledgement survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
5. Upload a copy of your current American Heart Association (AHA) Basic Life Support or American Red Cross CPR/AED for the Professional Rescuer certification to your applicant portal in Campus Cafe.**
6. Upload a copy of your current American Registry of Radiologic Technologists (ARRT) license or equivalent license to your applicant portal in Campus Cafe. This is not required if the applicant is in the final year of an imaging program.
7. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Rolling Admissions

Students are accepted into the program based on a rolling admission process. Once all spots have been filled for a class, applicants will be placed on a waiting list. If accepted candidates relinquish their positions, candidates will be removed from the waiting list and notified of admission.

Appears on pages 116-117 in the originally published catalog effective August 1, 2025.

Cytology Program

Technical Standards

Sensory and Motor Skills - Students and candidates for program admission should be able to:

- Work in small spaces
- Move objects up to 10 pounds with occasional carrying of objects up to 20 pounds including laboratory supplies and equipment
- Perform work in a stationary position for extended periods
- Work with physical files, including retrieving, moving and filing
- Operate and maintain laboratory equipment

- Operate a computer keyboard at a moderate skill level
- Operate a microscope
- Travel throughout the hospital system and, in some locations, off-site
- Tolerate physically demanding workloads

Communication - Students and candidates for program admission should be able to:

- Communicate, exchange accurate information and follow instructions
- Maintain comprehensive records of findings, ensuring clear, concise, and timely reporting of results

Intellectual - Students and candidates for program admission should be able to:

- Learn through a variety of teaching modalities including classroom lecture, cooperative learning, small group activities and laboratory exercises, individual and group presentations, and the use of technology assisted learning
- Operate at a fast pace and to prioritize multiple assignments/projects and respond to numerous requests
- Diagnose, problem solve, make decisions and critically think

Behavioral and social attributes - Students and candidates for program admission should be able to:

- Demonstrate emotional stability, maturity and good judgment
- Value all people throughout the organization, regardless of background or culture
- Demonstrate dependability and responsibility
- Exercise self-control and tolerate stress when dealing with multiple requests and/or conflicting demands
- Resolve conflicts, to work collaboratively, respectfully and with dignity with a team
- Perform problem solving skills in a timely manner
- Function effectively under stress to maintain poise and control and practice in a safe manner
- Adapt to changing environments, display flexibility, and learn to function in an environment of uncertainty
- Demonstrate honesty, integrity, dedication, compassion and motivation
- Accept constructive criticism and respond appropriately with an acceptable modification of behavior
- Transfer of knowledge and laboratory skills to problems other than those set in the course of instruction, but that lend themselves to similar types of solutions

Observation - Students and candidates for program admission should be able to:

- Assess images electronically and on paper
- Observe laboratory, lecture and clinical demonstrations
- Differentiate color, hue, saturation and tones
- Compare and contrast small details

Admissions Requirements

Applicants must meet the following criteria to be eligible for admission to the Cytology Program:

1. A minimum of a baccalaureate level degree from an accredited college or university
2. Overall GPA of 3.0 (4.0 = A) and a 3.0 minimum GPA in all science and mathematics courses
3. Completed 28 semester hours or 42 quarter hours of Biology and Chemistry. Strongly recommended courses include but are not limited to:
    - General Biology
    - Anatomy and Physiology
    - Cell Biology
    - Histology
    - Immunology
    - Microbiology
    - Molecular Biology
4. 3 semester hours or 4 quarter hours of Mathematics
5. Applicants should demonstrate meaningful experience and exposure to laboratory or healthcare environments.
6. Applicants must demonstrate the ability to communicate clearly and professionally, especially in scientific and clinical contexts.
    - Ability to express ideas clearly.
    - Demonstrates understanding of personal and professional goals related to cytology.
    - Provides thoughtful responses during interviews or in personal statements.

The Cytology Program **does not**:

- Allow completion of requirements through experiential learning
- Offer advanced placement courses for students prior to receipt of a baccalaureate degree

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

Application Process

The Cytology Program accepts applications year-round. The application deadline each year is March 15 to be considered for the Summer Semester start date. Please select ‘Summer 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Candidates are evaluated based on the clarity and effectiveness of their communication, their motivation for entering the field of cytology, and their demonstrated leadership potential. These qualities are assessed through submitted application materials, as well as during the interview, where applicants are expected to articulate their goals, reflect on relevant experiences, and provide examples of initiative and collaboration.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are not considered during the evaluation of applications and will not affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Create an account in the School of Health Professions secure payment portal and upload a copy of your registration confirmation to your applicant portal in Campus Cafe.*
2. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
3. Complete the Distance Education Technology Review and Acknowledgement survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Compose an essay and upload the completed essay form to your applicant portal in Campus Cafe.
5. Complete a transcript evaluation form and upload the completed form to your applicant portal in Campus Cafe.
6. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.
7. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Cafe.
8. Request three recommendation letters accompanied by three completed reference forms from the three individuals you have selected as references. Letters and reference forms are required to be submitted by the selected reference via email to CytologyProgram@ccf.org. The letters and completed forms will be uploaded to your applicant portal by program administration.
9. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

The evaluation of applicants begins after all application materials have been received.

Additionally, applicants should also be aware of the following:

- Ineligible applicants may have their applications considered for the following year by informing the program of their intent in writing and completing an application by the following year's deadline.
- Prospective students with complete applications who meet the academic eligibility requirements of this program will be contacted by mail to schedule a personal interview at the Cleveland Clinic. Travel arrangements and all travel expenses are the responsibility of the student.
- Once all interviews are complete, students accepted into the program will be notified in writing.
- Prospective students who are not selected will be notified in writing.
- Applicants who elect to remain in the applicant pool for one additional year must notify the program director in writing and may waive a second personal interview if they desire.

Appears on pages 129-131 in the originally published catalog effective August 1, 2025.

Dietetic Internship Program

Technical Standards

There are certain physical requirements that must be met by dietetic interns to participate in and complete the program. Dietetic interns must have the ability to perform work in a stationary position and move throughout the hospital system for extended periods. In addition, all dietetic interns must possess the integrity, intelligence, and personal and emotional characteristics to become an effective healthcare professional. Additional requirements are as follows with or without reasonable accommodations:

- Perform tasks that may involve moving items up to 10 pounds, primarily during foodservice rotations.
- Conduct Nutrition-Focused Physical Exams (NFPE), which may require maintaining a stationary position and assisting with patient repositioning to assess muscle and fat loss.
- Communicate clearly, compassionately, and effectively in English—both verbally and in writing—with patients, families, and members of the healthcare team.
- Accurately exchange information and document patient data to support high-quality, empathetic care.
- Analyze and interpret clinical and nutritional data to support appropriate nutrition interventions.
- Apply critical thinking, problem-solving, and sound clinical judgment in patient care settings.
- Demonstrate emotional maturity, adaptability, and the ability to establish professional relationships across various learning and healthcare environments.
- Adhere to ethical and safety standards while maintaining respect and compassion for all individuals.
- Accurately perceive and interpret visual and observational information from various formats (e.g., paper, electronic media, clinical settings).
- Accept and respond appropriately to constructive feedback, demonstrating a commitment to professional growth and continuous improvement.

Admissions Requirements

To be considered for acceptance into the Dietetic Internship Program, candidates must complete a graduate degree prior to starting the internship OR be enrolled with a graduation date planned no later than summer of the same year completing the internship. (For example, if applying in the Spring 2025 match, degree should be completed by Summer 2026.) Candidate must:

1. Complete all required course work accredited or approved by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.
2. Present a Verification Statement or Declaration of Intent.
3. Meets selection criteria based on the following evaluation:
    - Knowledge: Overall and professional coursework; recommended overall GPA of 3.0/4.0 (overall, science, DPD course-specific); college achievement scholarships, awards and honors.
    - Work experience: Paid or voluntary work experience. Nutrition-relevant opportunities and those of high quality and/or with responsibility are recognized.

- Leadership and self-motivation: Positions of leadership in extracurricular activities or work experiences; ability to set goals, take initiative, make decisions, use good judgment, and work independently. Previous and future goals are realistic and clearly identified.
- Management of multiple responsibilities: Coursework taken per semester/quarter in conjunction with work experience or family responsibilities; involvement with extracurricular activities; organizational skills, dependability, adaptability, and ability to handle stress.
- Communication skills: Experience communicating with groups and individuals; empathy; self-confidence

*Effective January 1, 2024, the Commission on Dietetic Registration (CDR) requires a minimum of a master's degree to be eligible to take the credentialing exam to become a registered dietitian - nutritionist (RDN).

Graduates who successfully complete the ACEND-accredited Dietetic Internship program at Cleveland Clinic and also obtain a master's degree, are eligible to apply to take the CDR credentialing exam to become an RDN.

We support applicants choosing from various pathways to achieve the required nutrition and graduate coursework. While it is not required, Cleveland Clinic dietetic interns may choose to enroll in the Case Western Reserve University (CWRU) Master of Nutrition program. The CWRU Master of Nutrition program is conveniently located close to hospital rotations and can be completed while interning full time.

For more information on the Master's in Nutrition program, contact Stephanie Harris, PhD, RDN, LD at stephanie.harris@case.edu.

While state interpretations of statutes may vary, it is ACEND's considered opinion that the program meets the educational requirements for dietetics licensure and certification in all states. However, completing an ACEND-accredited academic program alone does not qualify an individual for licensure or certification as a dietitian in any state. Individuals should review their state's licensing statutes and regulations to understand the specific requirement, including supervised practice and examinations, needed to obtain a dietetics license.

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

International Students

International students wishing to apply must follow procedures set forth by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) for international students.

Admissions Process

The Dietetic Internship Program participates in the online Dietetic Internship Centralized Application Services process, DICAS.

Candidates must complete all application materials in the DICAS platform. NEW DEADLINE: All materials are due by January 15th. All complete applications receive a full review before interview invitations are sent. Candidates who receive an interview will be evaluated on effectiveness of communication, leadership skills and qualities, and motivation.

In addition to the standard application, we also accept a video clip submission; 1-2 minutes long, where applicants have the opportunity to introduce themselves and share why they are interested in being a Cleveland Clinic dietetic intern. It is not required but strongly encouraged. This clip needs to be web-based and can be posted on YouTube or Vimeo. Please provide the video link and password, if necessary, at the bottom of your Personal Statement. Please note that submitting a video clip will not impact the applicant's likelihood of being accepted into the program, as it is not included in the evaluation criteria.

Applicants will be notified of the acceptance decision on or before March 1st. Applicant confirmation to accept or decline program invitation offers will be requested on March 15th.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note the documents marked with the asterisk (*) are not considered during the evaluation of the applications and will not affect an applicant's eligibility or admission decision. They are required, how for administrative purposes.

1. An applicant is required to complete the following items and submit their application in DICAS for their application to be considered.
    - Resume/CV
    - 3 or 4 letters of recommendation
    - Official transcripts – All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, include a copy of your WES transcript evaluation with your application
    - Verification Statement or Declaration of Intent
2. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program. These items must be uploaded in the Cleveland Clinic School of Health Professions' student information system, Campus Cafe.

1. Create an account in the School of Health Professions secure payment portal and upload a copy of your registration confirmation to your applicant portal in Campus Cafe.
2. Complete and sign an Enrollment Agreement in Campus Café via DocuSign.

3. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
4. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
5. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
6. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
7. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
8. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Café. The booster is required within the past 10 years.
9. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
10. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 142-143 in the originally published catalog effective August 1, 2025.

Medical Dosimetry Program

Technical Standards

Physical requirements/technical standards:

- Manual dexterity and the ability to participate in assisting patients on and off treatment couches
- Requires standing, sitting, and walking for extended periods of time
- Must lift and carry items weighing up to 50 pounds

Admissions Requirements

To be eligible for admission to the Medical Dosimetry Program, applicants must have a:

1. Baccalaureate degree
2. ARRT registration in Radiation Therapy
3. Must have completed the following college level or equivalent prerequisite courses with a grade of ‘C' or above:
    - Human Anatomy and Physiology
    - Cross-Sectional Anatomy
    - Physics

- Introductory or Pre-Calculus or the combo of College Algebra and Trig

4. Relevant clinical experience in all categories
    - Minimum of 8 hours of shadowing a CMD Dosimetrist
    - Experience with Machine and Simulator
5. General knowledge of the following:
    - Treatment field arrangement
    - Photon/electron hand calcs
    - Tissue tolerances

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

Application Process

The Medical Dosimetry Program begins accepting applications September 1. The application deadline each year is January 31 to be considered for the Summer Semester start date. Please select ‘Summer 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Please note, if the application window of the Medical Dosimetry Program is closed it will not appear in the ‘Program of Interest’ list within the application. Applicants will only be able to submit their application when the application window is open.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Medical Dosimetry Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Complete the Distance Education Technology Review and Acknowledgement survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
5. Complete the required shadowing experience and shadowing form and upload the completed shadowing form to your applicant portal in Campus Cafe.
6. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Cafe.
7. If the applicant’s native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must

have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

8. Request three recommendation letters accompanied by three completed recommendation waivers and forms from the three individuals you have selected as references. Letters and recommendation forms are required to be submitted by the selected reference via email to DosimetryProgram@ccf.org. The letters and completed forms will be uploaded to your applicant portal by program administration.
9. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

Candidates for admission will undergo an interview with the Department of Radiation Oncology Admissions Committee. Decisions for accepted candidates will be based on: 40% application materials including academic history and performance, relevant experience, and recommendations; 60% interview, including clinical experiences, knowledge in the field, and overall assessment.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.

9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 152-153 in the originally published catalog effective August 1, 2025.

Medical Laboratory Science Program

Technical Standards

Physical and Motor Skills

Students must:

- Be able to collect patient samples, use a microscope, and operate and repair laboratory equipment
- Be able to process samples, physical mobility to collect blood specimens from patients, and stamina to tolerate a physically demanding workload
- Be able to stand for long periods of time and maneuver through crowded spaces to collect specimens

Sensory/Observational Skills

Students must:

- Be able to participate in lab and clinical practical demonstrations
- Have visual acuity sufficient to use microscopes to perform analysis requiring distinguishing structural details and staining characteristics of cells and microorganisms
- Be able to view computer screens for extended lengths of time
- Be able to visually identify reactions on slides, test tubes, microwells, and probe colors on slides

Communication Skills

Students must:

- Be able to communicate in English, both verbally and in writing to all staff, employees, students, patients and other healthcare workers
- Be able to complete written assignments and participate in classroom discussions

Intellectual and Qualitative Skills

Students must:

- Have the ability to calculate, measure, interpret and evaluate laboratory data and other research materials
- Have the ability to organize their work, solve problems, think critically, and make appropriate judgments

Professionalism and Social Behavior Skills

Students must:

- Have the ability to follow directions, manage time, and meet deadlines
- Be able to function as part of a team and act as a professional
- Have the ability to work under pressure, maintaining a calm demeanor and demonstrating maturity
- Be able to adhere to the regulations of accrediting agencies, comply with safety regulations of the laboratory and maintain a safe environment for themselves and others
- Be able to act as a professional by wearing appropriate dress, using proper behavior and maintaining personal honesty and integrity

Admissions Requirements

1. Applicants must be enrolled as a medical laboratory science student at an affiliated school as described below. Students not attending an affiliate institution as a 3+1 student must have a bachelor's degree in a biological, chemical or physical science or medical/clinical laboratory science or medical technology prior to the first day of the clinical year. No 3+1 students from non-affiliated schools will be considered for enrollment. The Medical Laboratory Science Program has formal affiliation agreements with a number of universities and colleges. **The full list of affiliate institutions can be found below.**
2. The applicant must have a minimum of 90 semester hours (135 quarter hours) of academic credit in a baccalaureate degree program from an accredited institution.
3. Applicants must have the following prerequisite coursework completed or in progress:
    - **Chemistry:** A minimum of 16 semester hours (24 quarter hours) acceptable toward a chemistry major is required. A course in organic chemistry or biochemistry must be included. Biochemistry is strongly recommended. Additionally, applicants must demonstrate a minimum cumulative GPA of 2.5.
    - **Biological Sciences:** A minimum of 16 semester hours (24 quarter hours) acceptable toward a biology major is required. Microbiology and immunology must be included. Genetics and anatomy & physiology are strongly recommended. Additionally, applicants must demonstrate a minimum cumulative GPA of 2.5.
    - **Mathematics:** One course in college mathematics is required. Remedial mathematics courses will not satisfy the mathematics requirement. A course in statistics is strongly recommended. Additionally, applicants must demonstrate a minimum cumulative GPA of 2.5.
4. Before enrollment to the program, students must have completed all required pre-clinical courses and be eligible for a Bachelor of Science degree in chemical, biological science, or medical laboratory science prior to the first day of the clinical program or already have a Bachelor of Science degree in chemical or biological science or medical technology/medical laboratory science. Failure to meet these requirements or to submit an updated transcript prior to the first day of the program will render the applicant ineligible to begin the program.

5. Applicants will also be evaluated on attributes including demonstrated leadership potential, meaningful involvement in team settings, such as extra-curricular, volunteer or work settings, previous healthcare experience and a clearly expressed interest in the field of medical laboratory science.

Application Process

The Medical Laboratory Science Program begins accepting applications March 1. The application deadline each year is December 1 to be considered for the Summer Semester start date. Please select 'Summer 20XX' in the 'Anticipated Starting Semester' field of the application.

Please note, if the application window of the Medical Laboratory Science Program is closed it will not appear in the 'Program of Interest' list within the application. Applicants will only be able to submit their application when the application window is open.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Medical Laboratory Science Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Complete a transcript evaluation form and upload the completed form to your applicant portal in Campus Cafe.
5. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.
6. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Cafe.
7. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

Please note, letters of recommendation are not required and **will not** be evaluated.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Applicants should also be aware of the following:

- All prerequisite coursework must be taken within seven (7) years of the class enrollment date.
- If accepted contingent upon successful completion of prerequisite coursework, submit your official transcript showing completion of all prerequisites before the first day of the program. See “Admissions Requirements” section for more information.

Selection process

When all the items listed above have been submitted, the applicant’s academic qualifications are evaluated.

Applicants meeting the minimum criteria may be contacted to make an appointment for a personal interview. Please note that meeting the minimum criteria does not guarantee an interview.

Given the competitive nature of the program, applicants with GPAs of less than 2.8 may not be selected for an interview.

Based on visitor restrictions at Cleveland Clinic facilities at the time the interviews are scheduled, the interview may be done virtually or face-to-face. Applicants will be given more details when it is scheduled.

The timeliness of an application will be considered in evaluating the applicant. Applications received before July 1 will receive the highest consideration, those received by September 1, will be given secondary consideration, those received after December 1 will be considered untimely.

It is the responsibility of the applicant to see that the deadline for submitting applications and other application materials is met.

After the interview, each applicant who has completed the process will be scored on non-academic characteristics, using information gathered from the application form and interview.

The relative weights given to each source of information are:

- Academic criteria: 60 percent of total score
- Non-academic criteria
    - Application form: 15 percent of total score
    - Interview: 25 percent of total score

Acceptable applicants will be ranked and selected in order of their total scores.

Upon completion of the interview process, each applicant will be evaluated on a range of academic and non-academic attributes, based on information obtained from both the application materials collected and the interview. These attributes being evaluated include demonstrated leadership potential, meaningful involvement in team settings, such as research, volunteer work settings, previous healthcare experience, and a clearly expressed interest in the field of medical laboratory science.

The program guarantees placement for all students who have paid the $300 deposit fee after having been accepted into the program. The deposit is used to pay for the ASCP certification examination taken by all graduates.

Preference will be given to applicants who are in Medical Technology/Medical Laboratory Science programs at affiliated institutions if all other qualifications are equal.

Appears on pages 164-166 in the originally published catalog effective August 1, 2025.

Mercy Diagnostic Medical Sonography

Technical Standards

Skills

- Organizational
- Verbal
- Interpersonal
- Customer Relations
- Mathematical
- Analytical
- Read/Comprehend written instructions
- Ability to receive and respond to instructions in clinical settings

Mental and Emotional Requirements

- Manage stress appropriately
- Make decisions under pressure
- Handle multiple priorities
- Work in areas that are confined and/or crowded

Physical Requirements

MEDIUM WORK: Exert up to 50-lbs. force occasionally, and/or up to 20 lbs. frequently, and/or up to 10 lbs. constantly

- Ability to perform work in a stationary position for extended periods
- Ability to travel through the hospital system
- Ability to perform repetitive tasks/motions
- Ability to distinguish colors
- Ability to detect anatomy and pathology on the ultrasound screen
- Ability to respond to alarms, telephone, normal speaking voice
- Ability to operate sonography equipment

Admissions Requirements

Applicants must meet the following requirements to be eligible to enroll in the Mercy Diagnostic Medical Sonography Program:

1. Bachelor's degree (in any field) **or** Associate's degree in a healthcare field with direct patient care
2. Must have the following prerequisites:
    - General Physics
    - Communication Skills
    - Medical Terminology
    - Human Disease
    - Algebra 101, or higher-level college Math
    - Human Anatomy and Physiology I
    - Human Anatomy and Physiology II (or Human Structure & Function or Human Biology)
3. GPA of at least 2.5
4. Hold a current American Heart Association BLS certification

When an applicant repeats a prerequisite course, the program will consider the grade earned in the most recent attempt for admission and GPA calculations. For example, if a student initially earns a “C” and later earns an “F” in the same course, the program will use the “F” as the official grade for admissions/evaluation purposes.

Conditional Admittance

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support

Proof of certification must be uploaded to the applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Application Process

The Mercy Diagnostic Medical Sonography Program begins accepting applications January 1. The application deadline each year is April 1 to be considered for the Summer Semester start date. Please select ‘Summer 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Please note, if the application window of the Mercy Diagnostic Medical Sonography Program is closed it will not appear in the ‘Program of Interest’ list within the application. Applicants will only be able to submit their application when the application window is open.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
3. Upload a copy of your current American Heart Association (AHA) Basic Life Support certification to your applicant portal in Campus Cafe.**
4. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam dates must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your application portal in Campus Cafe.
5. Request two completed reference forms from the two individuals you have selected as references. Reference forms are required to be submitted by the selected reference via email to MercyDMSProgram@ccf.org. The completed forms will be uploaded to your applicant portal by program administration.

6. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. High school transcripts are not required. Once received, the transcripts will be uploaded to your applicant portal by program administration.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the “Conditional Admittance” section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 178-179 in the originally published catalog effective August 1, 2025.

Mercy Radiologic Technology

Technical Standards

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging, and they must be able to accurately interpret numbers on a technique chart.
2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.

3. Candidates must be able to lift a minimum of thirty (30) pounds and possess the ability to support up to 175 pounds. Radiographers must assist, support and move patients from wheelchairs and carts onto radiographic examination tables.
4. Radiographers work in one position, sometimes for hours. Candidates must be able to move along different imaging areas and patient care areas.
5. Radiographers must be able to instruct patients and be able to express concern and compassion for them. Candidates must possess good verbal and nonverbal communication skills as evidenced from the application and interview Radiographers must perform data entry with efficiency and accuracy.
6. Candidates must be physically and mentally capable of fulfilling the objectives of the Mercy Radiologic Technology program.

Admissions Requirements

Applicants must meet the following requirements to be eligible for acceptance into the Mercy Radiologic Technology Program:

1. Possess a high school diploma or equivalent
2. Have taken specific college-level courses within the last five years:
    - Anatomy & Physiology I & II (or BIO 1211 - Anatomy and Physiology for Diagnostic Medical Imaging from Cuyahoga Community College)
    - Medical Terminology
    - A prerequisite (A&P I, A&P II, Medical Terminology) GPA of 2.75 and a letter grade of “C” or better
3. Overall college GPA must be a minimum of 2.5 (letter grade of C or higher).
4. Hold a current CPR/BLS certification. The CPR/BLS Course must be offered/accredited by the American Heart Association (AHA).

Conditional Admittance

Applicants who are currently enrolled in one or more of the program’s prerequisite courses may still apply before the February 1st deadline. Applicants must provide documentation confirming enrollment in all outstanding prerequisite courses at the time of application.

To remain eligible for the program, applicants must complete all prerequisite courses by the end of the summer semester before the program start date. Before the first day of the program, applicants are required to submit an updated official transcript demonstrating :

- Successful completion of all prerequisite courses with a grade of “C” or higher,
- A minimum cumulative GPA of 2.5,
- A minimum GPA of 2.75 in all prerequisite courses.

Failure to meet these academic requirements or submit the required documentation by the deadline will render the applicant ineligible to begin the program.

It is strongly recommended that applicants who do not yet hold a college degree have no more than two outstanding degree requirements remaining before entering the program.

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support

Proof of certification must be uploaded to the applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Coursework Prerequisites

- Applicants are not required to have a degree to be accepted into our program; however, students must have a degree before graduation as both a graduation requirement and to be eligible to sit for the ARRT registry exam. The Mercy Radiologic Technology Program has an articulation agreement with Kent State University to allow for degree completion by the end of the program.
- Eligibility requirements for ARRT certification in radiography require all candidates to have earned an associate or higher degree from an accrediting agency recognized by the ARRT prior to taking the Radiography Certification Examination. The degree does not need to be in the radiologic sciences, and it can be earned before entering the educational program or during the program.
- **NOTE**: As completing all degree courses is a programmatic graduation requirement, we HIGHLY recommend that all applicants ONLY have 1-2 college level residential courses remaining to complete an associate degree before beginning the program as it is intensive.
- When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.

Application Process

The Mercy Radiologic Technology Program accepts applications year-round. The application deadline each year is February 1 to be considered for the Fall Semester start date. Please select ‘Fall 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*

2. Complete the Mercy Radiologic Technology Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.

3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*

4. Upload a copy of your current American Heart Association (AHA) Basic Life Support certification to your applicant portal in Campus Cafe.**

5. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.

6. Request two letters of reference. Reference letters are required to be submitted by the letter writer via email to MercyRTProgram@ccf.org. The letters will be uploaded to your applicant portal by program administration.

7. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. High school transcripts or GED is also required. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. Once received, the transcripts will be uploaded to your applicant portal by program administration.

8. If you intend to complete a prerequisite course after submitting your application, but before the program begins, you must provide proof of course registration in your Campus Café applicant portal upon receiving a conditional offer of admission. See "Conditional Admittance" section for more information.

Additionally, applicants should be aware of the following:

- A minimum of 4 hours of shadowing is recommended in a hospital or medical center radiology department. Otherwise, a brief tour will be given at the time of interview either in person or virtually.

- Admission to the program is based on a point system that awards points for GPA of program pre-requisites, complete application, and interview score.

- Meeting all the requirements does not guarantee admission to the program.

- Selection of students to the program shall be based on the applicant's ability, preparation, attitude, interest and personal qualities indicating potential to successfully meet the terminal goals of the program.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

If accepted contingent upon successful completion of prerequisite coursework, submit your official transcript showing completion of all prerequisites before the first day of the program. See “Conditional Admittance” section for more information.

Appears on pages 188-190 in the originally published catalog effective August 1, 2025.

Paramedic Education Program

Technical Standards

Sensory and Motor Skills - Students and candidates for program admission should be able to:

- Move and transfer patients in a safe manner
- Move clinical equipment in a safe and controlled manner
- Demonstrate basic clinical skills related to the use of extracorporeal equipment, circuitry, and ancillary clinical patient care devices and equipment

Communication - Students and candidates for program admission should be able to:

- Demonstrate proficiency in the English language
- Communicate clearly
- Produce and transmit patient information in oral and written format to members of the healthcare

- Communicate with patients effectively with compassion and empathy
- Demonstrate reading skills at a sufficient grade level to accomplish curricular requirements
- Provide effective care for patients

Intellectual - Students and candidates for program admission should be able to:

- Measure, calculate, interpret, analyze, question, compile and evaluate information from various modalities to effectively evaluate extracorporeal equipment and treat patients
- Comprehend spatial relationships of structures and models
- Comprehend relationships between patient care parameters and anticipate cause and effect responses based on their actions and inactions
- Learn through a variety of teaching modalities including classroom lecture, cooperative learning, small group activities, medical simulation and laboratory exercises, individual and group presentations, and the use of technology-assisted learning
- Make rapid decisions in life threatening situations where problem solving and critical thinking are required

Behavioral and Social Attributes - Students and candidates for program admission should be able to:

- Exercise good judgment, prompt completion of all responsibilities related to care of patients and participation in a patient care team
- Develop mature and effective relationships with co-workers and patients
- Perform problem solving skills in a timely manner
- Tolerate physically demanding workloads
- Function effectively under stress
- Adapt to changing environments, display flexibility, and learn to function in an environment of uncertainty inherent in the clinical practice of cardiovascular perfusion
- Practice in a safe manner
- Respond appropriately to emergencies
- Treat all patients, families, colleagues, and other members of the health care team with dignity and respect
- Demonstrate honesty, integrity, dedication, compassion and motivation
- Accept constructive criticism and respond appropriately with an acceptable modification of behavior

Observation - Students and candidates for program admission should be able to:

- Comprehend information presented in images from paper and projections such as PowerPoint slides and video

- Observe laboratory, lecture and clinical demonstrations
- Observe patients and members of the healthcare team accurately both at a distance and close up

Admissions Requirements

To be considered for admission, applicants must meet the following criteria and submit the required documents and application by the submission deadline.

1. Minimum age of 18 years
2. Possession of a valid Ohio driver's license
3. Current AHA, ASHI, or ARC BLS Healthcare Provider Card
4. NIMS 100 and 700 Certifications
5. EMT status
    - Certification as an EMT in Ohio or possession of National Registry EMT with active pursuit of Ohio reciprocity before the start of class
    - It is the student's responsibility to maintain EMT certification throughout the duration of the program.
6. Request one letter of recommendation from a work supervisor, or someone familiar with the candidate's ability to be a successful paramedic.

All complete applications receive a full review before interview invitations are sent. Candidates who receive an interview will be evaluated on the effectiveness of communication, leadership skills and qualities, and motivation.

When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an "F" and later earns a "C" in the same course, the program will use the "C" as the official grade for admissions/evaluation purposes.

Conditional Admittance

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support
- American Safety & Health Institute (ASHI)
- American Red Cross (ARC) Basic Life Support

Proof of certification must be uploaded to the applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Applicants must have a comprehensive knowledge of anatomy and physiology as an admissions requirement for the paramedic program. Applicants can complete this requirement in one of the following ways:

- Complete a comprehensive college-level anatomy and physiology sequence, earning a minimum grade of “C” or higher within the last five years. Applicants can complete this by completing a **two-course sequence** (Anatomy and Physiology I and II) **OR**
- Complete a comprehensive single college-level Anatomy and Physiology course covering all body systems, earning a minimum grade of “C” or higher within the last five years **OR**
- Complete a comprehensive single college-level Anatomy course and a comprehensive single Physiology course covering all body systems, earning a minimum grade of “C” or higher within the last five years **OR**
- Completion of the Cleveland Clinic Anatomy and Physiology Modules before the start of the first day of the course. This option is completed 100% online and outside the paramedic course and tuition structure. Applicants are responsible for the costs associated with module enrollment. Applicants who do not meet the college level anatomy and physiology requirements should speak directly with the Program Director regarding steps to complete the Cleveland Clinic Anatomy and Physiology Modules before the start of the first day of the course.

Application Process

Akron General Cohort

The Paramedic Education Program at Akron General begins accepting applications December 31. The application deadline each year is May 1 to be considered for the Fall Semester start date. Please select ‘Fall 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

University of Akron Wayne College Cohort

The Paramedic Education Program at the University of Akron Wayne College begins accepting applications June 1. The application deadline each year is October 31 to be considered for the Spring Semester start date. Please select ‘Spring 20XX’ in the ‘Anticipated Starting Semester’ field of the application.

Please note, if the application window of the Paramedic Education Program is closed it will not appear in the ‘Program of Interest’ list within the application. Applicants will only be able to submit their application when the application window is open.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant’s eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Paramedic Education Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.

3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Upload a copy of your current American Heart Association (AHA), American Safety & Health Institute (ASHI), or American Red Cross (ARC) Basic Life Support certification to your applicant portal in Campus Cafe.**
5. Upload a copy of your National Incident Management System (NIMS) 100 certification to your applicant portal in Campus Cafe.
6. Upload a copy of your National Incident Management System (NIMS) 700 certification to your applicant portal in Campus Cafe.
7. Upload a copy of your valid Ohio driver's license to your applicant portal in Campus Cafe.
8. Upload a copy of your EMT certification to your applicant portal in Campus Café.
9. Upload a copy of your resume or curriculum vitae to your applicant portal in Campus Café.
10. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or Duolingo English Test (DET) and upload a copy of your results to your applicant portal in Campus Cafe.
11. Request one professional recommendation letter. Recommendation letters are required to be submitted by the letter writer via email to EMSPrograms@ccf.org. The letters will be uploaded to your applicant portal by program administration.
12. Upload your transcripts to your applicant portal in Campus Cafe. You are required to submit unofficial transcripts if you have completed a college level anatomy & physiology course within five years of the program start date and earned a letter grade of "C" or better. Applicants who have not completed a college level college level anatomy & physiology course should review the "Conditional Admittance language" for next steps. Documentation of a high school diploma or GED is also required. The program will also accept an official high school transcript in lieu of diploma. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe.
13. Complete and successfully pass the pre-entrance examination. Please see additional information under "Pre-entrance examination" below. The applicant is not required to upload documentation to the applicant portal in Campus Cafe.

All complete applications receive a full review before interview invitations are sent. Candidates who receive an interview will be evaluated on the effectiveness of communication, leadership skills and qualities, and motivation.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Complete a 10-12 panel urine toxicology screen and upload a copy of your results to your document portal in Campus Cafe.
4. Upload your influenza immunization documentation (required during flu season, November 1 through March 31) to your applicant portal in Campus Cafe.
5. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
6. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
7. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
8. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
9. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
10. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Pre-entrance Examination

This comprehensive four-hour exam includes an EMT test, the Wonderlic Scholastic Level Exam, and a reading comprehension test. Please note that the components of the exam are subject to change. Any modifications will be communicated to all candidates at least two weeks prior to the examination.

Appears on pages 204-206 in the originally published catalog effective August 1, 2025.

Phlebotomy Program

Technical standards

Physical and Motor Skills

Students must:

- Ability to collect patient samples, use a microscope, and operate and repair laboratory equipment
- Ability to process samples, physical mobility to collect blood specimens from patients, and stamina to tolerate a physically demanding workload
- Be able to stand for long periods of time and maneuver through crowded spaces to collect specimens

Sensory/Observational Skills

Students must:

- Be able to participate in lab and clinical practical demonstrations
- Have visual acuity sufficient to distinguish red, yellow, and blue colors; distinguish clear from cloudy; distinguish objects through a microscope
- Be able to view computer screens for extended lengths of time

Communication Skills

Students must:

- Be able to communicate in English, both verbally and in writing to all staff, employees, students, patients and other healthcare workers
- Be able to complete written assignments and participate in classroom discussions

Intellectual and Qualitative Skills

Students must:

- Have the ability to organize their work, solve problems, think critically, and make appropriate judgments

Professionalism and Social Behavior

Students must:

- Have the ability to follow directions, manage time, and meet deadlines
- Be able to function as part of a team and act as a professional
- Have the ability to work under pressure, maintaining a calm demeanor and demonstrating maturity
- Be able to adhere to the regulations of accrediting agencies, comply with safety regulations of the laboratory and maintain a safe environment for themselves and others
- Be able to act as a professional by wearing appropriate dress, using proper behavior and maintaining personal honesty and integrity
- Be able to demonstrate the emotional health required for full utilization of the applicant's intellectual abilities
- Be able to recognize emergency situations and take appropriate actions

Admissions Requirements

To be eligible for admission, applicants must demonstrate the following:

1. Possess a high school diploma or GED
2. Minimum cumulative GPA of 2.5

Application Process

Spring Cohort

For the Spring cohort, the Phlebotomy Program accepts applications year-round. The application deadline each year is February 1 to be considered for the Spring Semester start date. Please select 'Spring 20XX' in the 'Anticipated Starting Semester' field of the application.

Fall Cohort

For the Fall cohort, the Phlebotomy Program accepts applications year-round. The application deadline each year is August 1 to be considered for the Fall Semester start date. Please select 'Fall 20XX' in the 'Anticipated Starting Semester' field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Create an account in the School of Health Professions secure payment portal and upload a copy of your registration confirmation to your applicant portal in Campus Cafe.*

2. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*

3. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your application portal in Campus Cafe.

4. Request official academic transcripts. You are required to submit an official transcript from your most recent academic institution only. High school transcript or GED is not required unless it is your most transcript. Once received, the transcript will be uploaded to your applicant portal by program administration.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.

2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.

3. Upload your influenza immunization documentation (required during flu season, November 1 through March 31) to your applicant portal in Campus Cafe.

4. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.

5. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.

6. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.

7. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.

8. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.

9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Appears on pages 219-220 in the originally published catalog effective August 1, 2025.

Post-Primary Magnetic Resonance Imaging Program

Technical Standards

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging, and they must be able to accurately interpret numbers on a technique chart.

2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.

3. Candidates must be able to move a minimum of thirty (30) pounds and be able to support up to 175 lbs. MRI technologists must assist, support and move patients to and from wheelchairs and carts onto examination tables.

4. MRI technologists work in one position, sometimes for hours. Candidates must be able to move among different imaging areas and patient care areas.

5. MRI technologists must be able to instruct patients and be able to express concern and compassion for them. Candidates must possess good communications skills as evidenced from the application and interview process. MRI technologists must perform data entry with efficiency and accuracy.

6. Candidates must be physically and mentally capable of fulfilling the objectives of the Beachwood Post-Primary Magnetic Resonance Imaging Program.

Admissions Requirements

Applicants to the Post-Primary Magnetic Resonance Imaging Program must:

- Be a registered technologist in radiography, nuclear medicine, radiation therapy, or ultrasound, or a student in the final year of one of the aforementioned programs. Registration must be through The American Registry of Radiologic Technologists (ARRT) or The Nuclear Medicine Technology Certification Board (NMTCB) or the American Registry of Diagnostic Medical Sonography (ARDMS).

Conditional Admittance

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support
- CPR/AED for the Professional Rescuer from the American Red Cross

Applicants must upload proof of current certification to their applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Application Process

The Post-Primary Magnetic Resonance Imaging Program accepts applications year-round. The application deadline each year is July 31 to be considered for the Fall Semester start date. Please select 'Fall 20XX' in the 'Anticipated Starting Semester' field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Post-Primary Magnetic Resonance Imaging Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Complete the Distance Education Technology Review and Acknowledgement survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
5. Upload a copy of your current American Heart Association (AHA) Basic Life Support or American Red Cross CPR/AED for the Professional Rescuer certification to your application portal in Campus Cafe.**
6. Upload a copy of your current American Registry of Radiologic Technology (ARRT) license or equivalent license to your applicant portal in Campus Cafe. This is not required if the applicant is in the final year of an imaging program.
7. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language

(TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your application portal in Campus Cafe.

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the “Conditional Admittance” section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe. at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

Rolling Admissions

Students are accepted into the program based on a rolling admission process. Once all spots have been filled for a class, applicants will be placed on a waiting list. If accepted candidates relinquish their positions, candidates will be removed from the waiting list and notified of admission.

Appears on pages 230-231 in the originally published catalog effective August 1, 2025.

Primary Magnetic Resonance Imaging Program

Technical Standards

To be successful in the Primary Magnetic Resonance Imaging Program, applicants and current students must meet the following technical standards:

1. Candidates must have the ability to distinguish between shades of color and greyscale that will be seen in diagnostic imaging, and they must be able to accurately interpret numbers on a technique chart.
2. Candidates must have the ability to respond to verbal requests by patients, instructors, clinical preceptors and other caregivers.
3. Candidates must be able to move a minimum of thirty (30) pounds and be able to support up to 175 lbs. MRI technologists must assist, support and move patients to and from wheelchairs and carts onto examination tables.
4. MRI technologists work in one position, sometimes for hours. Candidates must be able to move among different imaging areas and patient care areas.
5. MRI technologists must be able to instruct patients and be able to express concern and compassion for them. Candidates must possess good communications skills as evidenced from the application and interview process. MRI technologists must perform data entry with efficiency and accuracy.
6. Candidates must be physically and mentally capable of fulfilling the objectives of the Beachwood Primary Magnetic Resonance Imaging Program.

Admissions Requirements

Individuals applying to the Primary Magnetic Resonance Imaging Program must meet the following requirements:

1. A minimum of an associate's degree (does not have to be in the radiologic sciences).
2. Must have completed specific course prerequisites with a grade of “C” or better while maintaining a minimum GPA of 2.75. See below for more information on required prerequisites.
    - Medical Terminology
    - Anatomy & Physiology I, completed within the last five years
    - Anatomy & Physiology II, completed within the last five years
        - OR Anatomy & Physiology for Medical Imaging at Cuyahoga Community College completed within the last five years

Conditional Admittance

Applicants who have not completed the prerequisite courses, but can provide documentation confirming enrollment, may still apply to the program.

To remain eligible for the program, applicants must successfully complete Anatomy & Physiology I & II and Medical Terminology prior to the beginning of the Primary MRI program. Before the first day of the program, applicants are required to submit an updated official transcript demonstrating:

- Successful completion of Anatomy & Physiology I & II and Medical Terminology with a grade of “C” or higher,
- A minimum GPA of 2.75 in all prerequisite courses.

Failure to meet these requirements or to submit the required documentation by the deadline will render the applicant ineligible to begin the program.

Basic Life Support for Healthcare Providers certification is not required at the time of application, but must be completed and valid prior to the start of the program. Training from the following provider(s) is accepted:

- American Heart Association (AHA) Basic Life Support
- CPR/AED for the Professional Rescuer from the American Red Cross

Applicants must upload proof of current certification to their applicant portal in Campus Café.

Failure to complete and submit valid certification before the first day of the program will render the applicant ineligible to begin the program.

If you have questions, please contact the Registrar at SOHPRegistrar@ccf.org for clarification.

Prerequisites

All courses must have a traditional letter grade.

The Primary Magnetic Resonance Imaging Program does not accept the pass/no pass grading option. Credit(s) earned at other institutions or programs will be evaluated by the Admissions Committee using transfer.org to determine if they meet the program requirements. Additionally, applicants should be aware of the following:

- The program is not able to offer placement tests for the pre-requisite courses. In addition, the Primary Magnetic Resonance Imaging Program does not accept advanced placement, transfer students, or transfer credits from any college or MRI program.
- When an applicant repeats a prerequisite course, the program will consider the highest grade earned for admission and GPA calculations. For example, if a student initially earns an “F” and later earns a “C” in the same course, the program will use the “C” as the official grade for admissions/evaluation purposes.
- Applicants must provide a current e-mail address with their application. This is needed to contact you for clinical observation and for access to the program learning management system. No application will be processed without a valid and current e-mail address.
- Applicants must participate in a behavior-based personal interview with program officials.

Application Process

The Primary Magnetic Resonance Imaging Program uses a selective process to determine which students will be accepted into the program. Acceptance is based on a point system that includes scores from a behavior-based interview, high school and college GPA's, and the number of additional science and math classes with a grade of "C" or better. The higher the grade on the science and math courses, the more points awarded.

The program accepts between five and 10 students each year based upon clinical site availability. Acceptance letters will be emailed out approximately one month after the interview process has been completed. The Primary Magnetic Resonance Imaging Program starts each year in August.

The Primary Magnetic Resonance Imaging Program accepts applications year-round. The application deadline each year is February 1 to be considered for the Fall Semester start date. Please select 'Fall 20XX' in the 'Anticipated Starting Semester' field of the application.

Admission Documents and Requirements

An applicant is required to complete the following items after submitting their initial application in Campus Cafe in order for their application to be considered. Please note that documents marked with an asterisk (*) are **not** considered during the evaluation of applications and will **not** affect an applicant's eligibility or admission decision. They are required, however, for administrative purposes.

1. Submit your non-refundable $20.00 application fee payment in Momentus and upload a copy of your payment confirmation to your applicant portal in Campus Cafe.*
2. Complete the Primary Magnetic Resonance Imaging Supplemental Application and upload the completed supplemental application form to your applicant portal in Campus Cafe.
3. Complete the Applicant Demographic Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.*
4. Complete the MRI Screening Questionnaire and upload the completed questionnaire to your applicant portal in Campus Cafe.
5. Upload a copy of your current Basic Life Support certification to your applicant portal in Campus Cafe. Please see additional information under "Prerequisites" above.**
6. If the applicant's native language is not English, official scores from the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) are required. Applicants must have a total minimum score of 75 with written and speaking sections no less than 17 for the TOEFL. A minimum score of 105 is required for the DET. Exam date must be within two years of the program's start date. If applicable, complete the Test of English as a Foreign Language (TOEFL) or the Duolingo English Test (DET) and upload a copy of your results to your application portal in Campus Cafe.
7. Request official academic transcripts. You are required to submit official transcripts from every school you have attended. High school transcript or GED is also required. All foreign transcripts must be evaluated by World Education Services (WES) on a course-by-course basis. If applicable, upload a copy of your WES transcript evaluation to your applicant portal in Campus Cafe. Once received, the transcripts will be uploaded to your applicant portal by program administration.
8. If you intend to complete a prerequisite course after submitting your application but before the program begins, you must provide proof of course registration in your Campus Café applicant portal upon receiving a conditional offer of admission. See "Conditional Admittance" section for more information

**The BLS certification is an admissions document that is required to be completed prior to the beginning of the program. Please see the "Conditional Admittance" section for more information.

Enrollment Documents and Requirements

If an applicant is accepted into the program the following items are required in order to enroll in the program.

1. Complete and sign an Enrollment Agreement in Campus Cafe via DocuSign.
2. Complete the Student IPEDS Survey and upload a copy of your survey completion confirmation to your applicant portal in Campus Cafe.
3. Upload your negative tuberculosis (TB) test documentation to your applicant portal in Campus Cafe. The TB test must be completed within 12 months prior to the start of the program.
4. Upload your immunization documentation for chicken pox (varicella) or positive titer to your applicant portal in Campus Cafe.
5. Upload your immunization documentation for measles, mumps, and rubella (MMR) to your applicant portal in Campus Cafe.
6. Upload your positive hepatitis B titer or waiver to your applicant portal in Campus Cafe.
7. Upload your tetanus, diphtheria, pertussis (Tdap) booster documentation to your applicant portal in Campus Cafe. The booster is required within the past 10 years.
8. Influenza immunization documentation is required during flu season (November 1 through March 31). The applicant is not required to upload documentation to the applicant portal in Campus Cafe at this time but will be required to obtain and submit documentation when the vaccination becomes available.
9. Complete the required onboarding tasks in SilkRoad. Onboarding will include a background check. Additional information will be provided following completion of the above items.

If accepted contingent upon successful completion of prerequisite coursework, submit your official transcript showing completion of all prerequisites before the first day of the program. See “Conditional Admittance” section for more information.

Upon acceptance, there is a non-refundable $300 tuition deposit that is applied toward first-semester tuition.

Appears on pages 243-245 in the originally published catalog effective August 1, 2025.

Satisfactory Academic Progress (SAP) Program Information Updates

The information in this section includes updated SAP information for all SOHP Programs as previously outlined in the originally published catalog effective August 1, 2025.

Beachwood Diagnostic Medical Sonography Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Beachwood Diagnostic Medical Sonography Program will occur after the completion of the first, second, third, and fourth semesters of the program. This will ensure DMS students are meeting the 75% minimum. Students must also minimally earn 67% of clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 63 in the originally published catalog effective August 1, 2025.

Beachwood Radiologic Technology Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Beachwood Radiologic Technology Program will occur after the completion of the first, second, third, and fourth semesters of the program. This will ensure Beachwood Radiologic Technology students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 79 in the originally published catalog effective August 1, 2025.

Cardiac Ultrasound Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Cardiac Ultrasound Program will occur after the completion of the first and second terms of the program. This will ensure Cardiac Ultrasound students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 96 in the originally published catalog effective August 1, 2025.

Cardiovascular Perfusion Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Cardiovascular Perfusion program will occur after completion of the first year's spring semester, summer semester, and fall semester. This will ensure Cardiovascular Perfusion students are meeting the 80% minimum required of the program. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 107 in the originally published catalog effective August 1, 2025.

Computed Tomography Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Computed Tomography Program will occur after completion of the fall semester. This will ensure CT students are meeting the 75% minimum required of the program. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 119 in the originally published catalog effective August 1, 2025.

Cytology Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Cytology program will occur after the completion of each quarter of the program (typically October, January, April, and Last week of June). This will ensure Cytology students are meeting the 80% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 132 in the originally published catalog effective August 1, 2025.

Dietetic Internship Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Dietetic Internship Program will occur after the completion of each rotation. This will ensure Dietetic Internship students are meeting the 70% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 144 in the originally published catalog effective August 1, 2025.

Medical Dosimetry Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Medical Dosimetry Program will occur after the completion of the first, second, and third terms of the program. This will ensure Medical Dosimetry students are meeting the 70% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 154 in the originally published catalog effective August 1, 2025.

Medical Laboratory Science Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Medical Laboratory Science Program will occur after the completion of each of the seven course sections. This will ensure Medical Laboratory Science students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 167 in the originally published catalog effective August 1, 2025.

Mercy Diagnostic Medical Sonography Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Mercy Diagnostic Medical Sonography Program will occur after the completion of the first, second, and third quarters of the program. This will ensure Diagnostic Medical Sonography students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 180 in the originally published catalog effective August 1, 2025.

Mercy Radiologic Technology Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Mercy Radiologic Technology Program will occur after the completion of the first, second, third, and fourth semesters of the program. This will ensure Radiologic Technology students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 191 in the originally published catalog effective August 1, 2025.

Paramedic Education Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Paramedic Education program will occur after the completion of the first, second, and third phases of the program. This will ensure Paramedic students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 208 in the originally published catalog effective August 1, 2025.

Post-Primary Magnetic Resonance Imaging Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Post-Primary Magnetic Resonance Imaging Program will occur after the completion of the first semester of the program. This will ensure that students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further

information.

Appears on page 233 in the originally published catalog effective August 1, 2025.

Primary Magnetic Resonance Imaging Program

Satisfactory Academic Progress (SAP)

Qualitative progress evaluations for the Primary Magnetic Resonance Imaging Program will occur after the completion of the first semester of the program. This will ensure that students are meeting the 75% minimum. Students must also minimally earn 67% of the clock hours attempted at the time of evaluation. If students are not meeting the qualitative and quantitative measurements established for the program, there may be disciplinary actions. See SOHP SAP policy for further information.

Appears on page 246 in the originally published catalog effective August 1, 2025.

Cleveland Clinic

Values

Quality & Safety: We ensure the highest standards and excellent outcomes through effective interactions, decision-making, and actions.

Empathy: We imagine what another person is going through, work to alleviate suffering, and create joy whenever possible.

Integrity: We adhere to high moral principles and professional standards by a commitment to honesty, confidentiality, trust, respect, and transparency.

Teamwork: We work together to ensure the best possible care, safety, and well-being of our patients and fellow caregivers.

Innovation: We drive small and large changes to transform healthcare everywhere.

The Values which appear on pages 5-6 in the originally published catalog effective August 1, 2025 have been updated to reflect the current Values of Cleveland Clinic.

Health and Immunization Requirements

Other Immunizations and Requirements

In addition to receiving an annual influenza vaccination, students should be aware of requirements for other tests and immunizations including a negative TB test and immunization for varicella, MMR, hepatitis B, and T-dap.

~~Each health professions program may establish additional immunization requirements. As with the influenza vaccination, students may request a medical or religious exemption to these requirements by contacting the Director of Student/Learner Health.~~

Health and Immunization Requirements which appear on pages 31-32 in the originally published catalog effective August 1, 2025 have been updated to omit the information crossed out in the above statement.

Requests by SOHP students seeking Medical exemption must be made by the student to the Office of the Registrar at SOHPRegistrar@ccf.org or 216.444.5678.

Programmatic Accreditation

Medical Dosimetry Program

The Medical Dosimetry Program is accredited by the Joint Review Committee on Education in Radiologic Technology:
20 North Wacker Drive, Suite 2850
Chicago, IL 60606-3182
312.704.5300
Email: mail@jrcert.org

The program's current award is eight years. General program accreditation information and the current accreditation award letter can be found here.

Mercy Radiologic Technology Program

The Mercy Radiologic Technology Program is seeking accreditation by the Joint Review Committee on Education in Radiologic Technology:

20 North Wacker Drive, Suite 2850
Chicago, IL 60606-3182
(312) 704-5300
Email: mail@jrcert.org

Programmatic accreditation statements which appear on pages 9-10, 150, and 187 in the originally published catalog effective August 1, 2025 have been updated for the Medical Dosimetry and Mercy Radiologic Technology Programs.

Enrollment Agreement

Students are required to sign an enrollment agreement with SOHP upon matriculation. This document serves as a "contract" between the student and the School and outlines important details such as:

- Title and revision date
- Name, address, and contact information of the school
- Clock hours and length in weeks required to complete the program
- Method of delivery
- Program/course start and anticipated completion date
- Tuition and fees assessed for the program
- Credential awarded for the program
- Complaint or grievance procedure
- The school's withdrawal and tuition refund policy
- Cancellation and refund policy
- Signature if school official

The enrollment agreements also requires students to attest to the following:

- Receipt of the Cleveland Clinic School of Health Professions student catalog, addenda, and supplemental handbook if applicable

- Receipt of an electronic copy of the signed enrollment agreement
- Understanding the terms in which the enrollment agreement may be terminated
- Understanding that enrollment into the School of Health Professions does not guarantee employment
- Understanding the potential of additional fees for the non-return of books or equipment belonging to the school
- Understanding Satisfactory Academic Progress must be maintained
- Understanding the school must be notified in the event personal information has changed
- Review of disclosures
- Understanding that clinical experiences may occur beyond a typical commuting distance from the primary location the program delivers classroom instruction
- Review of Technical Standards outlined on the program's website and affirmation these items can be met with or without reasonable accommodation
- Achievement of high school diploma or equivalent

The Enrollment Agreement information which appears on pages 36-37 in the originally published catalog effective August 1, 2025 has been updated to include all elements of the school's enrollment.

Withdrawal Policy

Official withdrawal forms must be completed by the student and submitted to the Program Director. The Program Director is required to sign the Official withdrawal form and submit it to the Registrar for final signature. The date of withdrawal listed on the form is considered the date of determination. The amount of tuition and fees to be charged for the student's enrollment into the program through the withdrawal date is determined by the Tuition Refund Policy.

Unofficial withdrawals can be made by the Program Director or School of Health Professions Registrar. The Program Director or Registrar reserves the right to withdraw the student from the program for Satisfactory Academic Progress (SAP), code of conduct violation, or violation of the attendance policy. The unofficial withdrawal will follow the same Tuition Refund Policy as the official withdrawal by the student. For official and unofficial withdrawals, the last date of attendance is used to determine the federal financial aid refund. The last date of attendance is recorded for all students that have withdrawn from any School of Health Professions program. The last date of attendance will be considered as the last date that the student actively participated in any required clock hour for the program. Reasonable attempts will be made by both the Program Director and the Registrar to acquire the student's signature on the unofficial withdrawal form. In the event the student's signature is unobtainable, the form will be noted as such.

Official and unofficial withdrawals are processed within 30 days of the date of withdrawal.

The Withdrawal Policy which appears on page 36 in the originally published catalog effective August 1, 2025 has been updated to reflect the current procedural actions surrounding student withdrawals.

Satisfactory Academic Progress (SAP) - Qualitative and Quantitative Elements

All SOHP matriculating students are required to maintain Satisfactory Academic Progress (SAP). SAP is a measure that consists of both qualitative (e.g., grades) and quantitative (e.g., number of clock hours completed) measurements. Both measurements are evaluated on an academic term basis for each

program. Details about the timing and frequency of SAP review for each program are contained in the program-specific sections of the school catalog. Variances of the SOHP SAP requirements are also stated within each program section of the school catalog. To maintain Satisfactory Academic Progress, a student must always meet the minimum standards established by each program for both qualitative and quantitative measures.

The Satisfactory Academic Progress policy applies to all SOHP students. These standards are consistently applied by the Registrar to all students, regardless of financial aid status or delivery of the program. To graduate, a student must successfully complete all courses in the program with the designated minimum score for passing (which varies from program to program, but 70% as a minimum).

Qualitative Elements of SAP

General Information

Qualitative measurement consists of a student's grades, whether expressed numerically or with letter grades (see Grading Scale below). Some programs may calculate these grades into a cumulative Grade Point Average (GPA). Some courses may be graded according to the pass/no pass system. Some programs use competency-based assessment as a qualitative measure in addition to a grading scale. In these cases, student performance of competency-related tasks is assessed to determine whether a student has obtained competency (pass) or not (fail). Each program-specific section of the school catalog provides additional details regarding each program's qualitative measurement.

Grading Scale & Definitions

Scale	Grade	Definition	GPA
90-100%	A	Excellent	4.0
80-89%	B	Good	3.0
70-79%	C	Satisfactory	2.0
60-69%	D	Unsatisfactory	1.0
0-59%**	F	**Inadequate	0.0
	P	Pass – Any course with a "P" grade is not calculated into the grade point average. A pass grade for a course does earn the student hours completed toward the terms completion rate.	
	NP	No Pass – Any course with an "NP" grade is not calculated into the grade point average. However, the course must be passed to graduate. An NP grade for any course is a failing grade and will not count toward the earned hours or completion rate of the term.	
	I	Incomplete – May be used at the discretion of the instructor in those cases in which the student is not able to complete work in the designated timeframe. Refer to the Incomplete Grade Policy. Any course with an "I" grade is not calculated into the grade point average. Once a grade is assigned to the course (when conditions are met that allow for the removal of the "I" and assignment of a final grade), that grade will factor into the student's GPA. SAP cannot be evaluated until the "I" grade is	

		updated. This can potentially cause a delay in awarding federal financial aid.
	W±	Withdrawal – Utilized when a student leaves the course due to an approved leave-of-absence or withdraws from the school prior to the scheduled completion of a course. Any course with a "W" grade is not calculated into the grade point average. Withdrawals affect the quantitative elements of SAP, as they lower the completion rate which has a requirement of a 67% minimum.

*Individual program sections of the school catalog contain information on program-specific grading scales.

**Programs may, at their discretion, establish a grade threshold higher than the institutional minimum, but with an unsatisfactory grade threshold of 69% and lower. All programs must apply and enforce their failing grade thresholds uniformly among students enrolled in the program.

± Non-punitive grades for courses awarded by the school include "W". Non-punitive grades are not included in the computation of a student's overall Cumulative Grade (or Point) Average. The clock hours associated with any courses for which non-punitive grades are assigned are included as hours attempted when calculating the student's Maximum Time Frame and clock hour completion percentage.

Matriculating students in all programs, with the exception of Computed Tomography and Post-Primary Magnetic Resonance Imaging, may not repeat any course for which a grade has already been assigned. Non matriculating students are permitted to repeat a course and/or area of study at their own expense.

Minimum Average

All students must maintain a minimum qualitative average (expressed as percentage points, grades, GPA and/or competencies passed) as defined by each program to maintain Satisfactory Academic Progress. Students must achieve the minimum qualitative average at each review of SAP to maintain Satisfactory Academic Progress. Minimum passing average is 70%, while some programs may require a minimum of 75% based on their grading scale. Review the program specific section of the school catalog for more information.

Student Grievance Concerning Grades

Students should seek redress of a problem with a grade as soon as possible after the release of final term grades. Students should confer directly with the course instructor about grade concerns. Every effort should be made to resolve the problem fairly and promptly at this level. The student should refer to the Grade Appeal Policy for more information.

Quantitative Elements of SAP

For all programs, the quantitative measurement of SAP consists of a student's satisfactory completion of program hours, based on a rate-of-progress calculation. The rate of progress calculation is the percentage of total hours completed of those hours the student has attempted. This measurement ensures that all students progress at a rate sufficient to allow them to complete their programs within the maximum time allowed. Each program establishes a number of hours to be attempted, and a number required to be completed for the student to maintain Satisfactory Academic Progress. More information is available in each program's section in the school catalog.

Students' progress against quantitative SAP requirements is measured at the end of each program's term. The student must have earned a 67% minimum of the term's attempted clock hours by the end of each program's term. Defined terms of each program are outlined in the program specific portion of the school catalog. SAP evaluation dates for each program will be outlined in the academic calendars.

Readmitted Students/Students Changing Programs

If a student is re-admitted into SOHP, changes program of study, or seeks to earn an additional credential, the clock hours that are applicable to the student's current program of study will be included in determining the student's satisfactory academic progress standing and the appropriate evaluation level for the student in terms of establishing the total number of credits attempted and completed at each of the student's evaluation periods.

Maximum Time to Complete Program

All students are expected to complete their program of study within an acceptable period of time, as defined by each program, but in no case to exceed 150% of normal program length. Students failing to complete their program of study within the maximum time will be dismissed from the program. These students are not eligible for reinstatement.

Time spent in any of the following situations/activities counts toward the maximum time to complete SOHP programs:

- Courses for which a grade of incomplete or failure was recorded
- Courses from which the student withdrew
- Time in a SOHP-approved leave-of-absence.

Maximum Timeframe by Program (in Clock Hours):

Program	Total Clock Hours	Maximum Timeframe
Beachwood Diagnostic Medical Sonography	2306	3459
Beachwood Radiologic Technology	2328	3492
Cardiac Ultrasound	1464	2196
Cardiovascular Perfusion	2894	4341

Computed Tomography	412	618
Cytology	1237	1855.5
Dietetic Internship	1344	2016
Medical Dosimetry	1657	2485.5
Medical Laboratory Science	1332	1998
Mercy Diagnostic Medical Sonography	1862	2793
Mercy Radiologic Technology	2344	3516
Paramedic Education	962	1443
Phlebotomy	240	360
Post-Primary Magnetic Resonance Imaging	412	618
Primary Magnetic Resonance Imaging	1776	2664

Progress Evaluations

Each student's progress in completing the program is evaluated at the end of each term. During these evaluations, the student's Cumulative Grade (or Point) Average and rate of progress in completing program hours are calculated. Students will receive an email notification from the Office of the Registrar within five days that SAP has been evaluated. The student will be notified of their SAP status, which is Satisfactory, Warning, Probation, or Dismissal.

Students are notified verbally by program faculty, and in writing by the school's Registrar, should they fail to meet the minimum standards of Satisfactory Academic Progress during an evaluation term. Students who fail to maintain SAP in an evaluation period are placed on SAP Warning, unless there are two or fewer terms left in the program following the term for which the evaluation is provided, in which case the student will be placed on Academic Probation. More information on Academic Probation is contained in the Academic Probation section of the school catalog.

Non matriculating students are exempt from SAP evaluations.

SAP Warning

SAP Warning periods may vary by program and by student. A SAP warning period immediately follows a satisfactory term. All students begin the program with a SAP status of Satisfactory. Federal financial aid funds (for applicable programs) may be disbursed during SAP Warning periods. When placed on SAP Warning, students are provided notification in writing that outlines the reasons why the student has been placed on SAP Warning and the requirements the student must meet to be removed from SAP Warning (an "Academic Plan"). The Academic Plan is designed to bring the student into compliance with Satisfactory Academic Progress standards within a single term. The student's Academic Plan and progress toward its completion will be reviewed with the student during the period of SAP Warning according to the details of the Plan.

At the end of the Warning period, if the minimum standards of Satisfactory Academic Progress are not met a student will be placed on Academic Probation. Students who satisfy the conditions of Satisfactory Academic Progress at the end of the Warning period will be returned to Satisfactory Academic Progress status.

School personnel, including the program instructors and/or the Program Director and/or Manager are available to discuss any concerns students may have.

Academic Probation (Temporary SAP Suspension)

Students failing to maintain Satisfactory Academic Progress immediately following a term of SAP warning, will be placed on academic probation. When placed on academic probation, students are provided written notification that outlines the reasons why the student has been placed on probation.

Students are not allowed to have more than one period of academic probation while enrolled in their program. Students on academic probation who do not successfully complete the terms of their Academic Plan will be provided the opportunity to withdraw. If the student refuses to withdraw, they will be dismissed from the program. Students on probation who successfully complete the terms of their Academic Plan will return to Satisfactory Academic Progress standing, and academic probation status will be removed. During the term of academic probation, students are placed on a temporary SAP suspension, which prohibits them from attending class or clinicals. The student has five working days to appeal the suspension or to withdraw. Federal Financial Aid (for applicable programs) cannot be disbursed for a student with a SAP status of Probation. The student has the right to appeal the SAP status. A successfully appealed Probation status will revert the student's status to Warning.

The student must either submit an official withdraw from the program or an appeal to the program director within five working days. If the student does not submit anything during the temporary SAP suspension period, the Registrar or Program Director will submit an unofficial withdrawal for the student. If the Program Director elects to deny the Probation appeal, an unofficial withdrawal will be submitted to the Registrar.

Academic Probation Appeal

Students who have been placed on academic probation may appeal the probation decision. To do so, the student must submit an appeal request to the SOHP Program Director in writing (email is acceptable) within five working days of being placed on probation.
The appeal request must include:

- Information about the circumstances or events that prevented the student from maintaining Satisfactory Academic Progress, and
- What has changed in the student's situation to allow the student to be successful in the future.

The student may submit documentation along with the appeal request. The SOHP Program Director will review the appeal and any documentation submitted by the student. The Director will also speak with involved faculty. The student will be notified of the outcome of the appeal in writing within five business days of the appeal submission. The decision of the Program Director is final.

If the appeal is not successful, probation status will continue until 1) the student meets the requirements of

the Academic Plan and returns to Satisfactory Academic Progress status, or 2) the student fails to meet the requirements of the Academic Plan and subsequently withdraws or is dismissed from the program. If the appeal is successful, the student will not be placed back into a status of warning, but the program may impose requirements the student must complete in order to return to Satisfactory Academic Progress.

SAP Dismissal Policy

Students who have been placed on probation and do not return to Satisfactory Academic Progress status within the time required by their Academic Plan will be given the opportunity to withdraw or be dismissed from the program. Students may also be dismissed from the program after a period of temporary suspension. Students dismissed from SOHP programs are required to immediately return to SOHP their student IDs and any books, equipment or other materials issued to them by SOHP as outlined in their enrollment agreement.

SOHP programs pursue dismissal only after a student has been given a reasonable period of warning and/or probation to address deficiencies. Dismissal may also be recommended at any time for a student who demonstrates either a singular egregious behavior or is involved in one or more serious incidents inconsistent with the expectations for students of SOHP, or in violation of SOHP policy.

A decision to pursue dismissal requires participation of the program director and relevant program faculty and administrators. The Program Director will meet with the student to hear the student's explanation, including any mitigating circumstances in the situation. The Program Director will then meet with relevant program faculty and administrators to consider factors in the situation and render a determination. The dismissal decision is described in a notice to the student written by the Program Director. This communication is presented to the student, in person whenever possible, by the Program Director, although an in-person meeting may not be possible in all cases.

SAP Dismissal Appeal

A student who is dismissed from a SOHP program has the right to appeal. Each appeal is decided on an individual basis. The process for appealing a dismissal decision is as follows:

- The student must submit a written appeal to the School of Health Professions Dean. The appeal must be submitted at least one month prior to the start of the term in which the student wishes to be granted entrance into the program.
- Appeals must include a detailed explanation of the circumstances related to the dismissal. As relevant, such appeals should include official supporting documentation (i.e. medical records, court documents, or any other documentation which would support an appeal).
- The appeal will be reviewed by the Dean and approved or denied based on the student's individual circumstances, past academic record, and potential to successfully complete the program.
- The Dean will provide a written decision to the student within 14 business days. The decision on the dismissal appeal is final.
- If the student is allowed to re-enroll, the Program Director may place conditions that the student must meet in order to be reinstated. The Program Director may also reinstate the student on a probationary basis. Reinstatement is based on class and space availability.
- If students who are reinstated are required to repeat coursework, that coursework must be satisfactorily completed in order to continue in the program.
- Reinstated students must maintain SOHP student accounts in good standing and may not default

on any payment arrangements.

SOHP reserves the right to terminate a student's enrollment if, during the student's program of study, SOHP determines that the student has failed to maintain the minimum standards of satisfactory academic progress, or has reached the maximum timeframe (150% of the program credits/hours) without successfully completing the program; failed to comply with the SOHP rules and regulations as published in SOHP's Catalog; or has failed to meet their financial obligations, which are established in the enrollment agreement. Any refund due to the student or other agencies will be calculated and refunded according to SOHP's tuition refund policy and the US Department of Education's Return to Title IV policy if applicable. A student who has been dismissed for failure to maintain SAP may reapply for admission; however, until SAP status is re-established, the student will not be eligible for any form of federal financial aid. A student applying for re-admission must first satisfy all current requirements for admission. In addition, if a student's enrollment was terminated for failure to maintain SAP, the applicant's academic records will be evaluated to determine if it is possible for a satisfactory cumulative grade point average to be achieved and if the program can be completed within the maximum time frame.

The Satisfactory Academic Progress (SAP) – Qualitative and Quantitative Elements policy which appears on pages 40-45 in the originally published catalog effective August 1, 2025 has been updated to include a quantitative benchmark for term completion rate.

Note: The Maximum Timeframe by Program (in Clock Hours) table in the revised SAP policy reflects correct clock hours for programs whose hours have been updated in the addendum.

Career Assistance and Planning

Program Directors will provide career counseling to students and facilitate access to Cleveland Clinic recruiters. The Program Manager for Career Services can provide additional assistance with resume preparation. SOHP hosts quarterly resume and interview workshops available through Center for Health Professions Education. While SOHP provides career assistance and planning, the School does not offer guaranteed job placement.

The Career Assistance and Planning section which appears on page 47 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct title of the Program Manager who provides career-related services.

Student Location and Contact Information Policy

Cleveland Clinic School of Health Professions students are required to provide accurate and timely information regarding their address(es), telephone number(s), and other contact information to the School's Registrar or the Program Director. Students are required to verify their contact information, including physical address, mailing address, telephone number, and email at the time of enrollment into the School.

Contact information concerning students and their emergency contacts facilitates effective communication and access to these persons in appropriate circumstances. Such circumstances include, but are not limited to, the following:

- Health and safety emergencies affecting students

- Notification concerning opportunities or important events about which students may wish to be informed
- General information sharing from the School or it's program(s).
  Location

Contact information will be maintained in accordance with the federal Family Educational Rights and Privacy Act of 1974 (FERPA). Contact information can include:

- Name (first and/or last)
- Telephone number
- Mailing and/or physical address (P.O. Box does not qualify as physical address)
- Personal email address

Students must submit contact information updates via email to the office of the registrar at SOHPRegistrar@ccf.org within 10 business days of the change.

Students are advised that failure to comply with this policy could result in disciplinary action.

The student's physical location and a change to that physical location may impact their ability to complete the program or gain employment in the field, including eligibility for credentialing requirements for employment.

The policy related to student reporting of change of location which appears on pages 54-55 in the originally published catalog effective August 1, 2025 has been updated to reflect the revised policy name and additional information pertaining to the impact of a student's change in physical location.

Beachwood Diagnostic Medical Sonography Program

Advisory Board

The Advisory Board consists of internal and external in-field specialists, an employer, a physician, a clinical affiliate representative, a current student, a graduate representative and a public member who are committed to assisting the program's leadership and educators in fulfilling education objectives and improving program effectiveness. The Advisory Board meets at a minimum of once per year. Distribution of meeting minutes to the Advisory Board, program personnel, and interested parties is documented prior to the next scheduled meeting.

The Advisory Board description which appears on page 59 in the originally published catalog effective August 1, 2025 has been updated to include the inclusion of required Board members for Diagnostic Medical Sonography programs.

Beachwood Diagnostic Medical Sonography

Graduation Requirements

Students must meet the following requirements to graduate from the Beachwood Diagnostic Medical Sonography Program:

- Satisfactory completion of all program courses.
- All competencies must be completed as outlined in the Clinical Competency Examination Policy.
- All required JRC-DMS mandatory & elective competencies must be completed.
- All regular and make-up hours must be completed.

- Tuition payment and fees must be paid in full.
- All reference books or other material must be returned, including any resources from the CC Library.
- ID badge must be returned. A fee will be charged for missing ID badge. All fees must be paid prior to graduation.
- Graduation survey must be completed.
- Employer release form must be signed.
- Students must attempt the ARDMS Sonography Principles & Instrumentation and the ARDMS Abdomen Specialty Exam prior to graduation.

The Graduation Requirements which appear on page 62 in the originally published catalog effective August 1, 2025 have been updated to specify that all competencies must be completed that are outlined in the Clinical Competency Examination Policy.

Beachwood Diagnostic Medical Sonography

Clinical Grades

Students will be given an established number of points for each clinical experience. Each semester the clinical grade will be determined by:

- The number of evaluations turned in by the end of the semester
- The completion of the department orientation checklist
- The number of competencies completed
- Observance of program/department policies & practices

The following worksheet will be used to determine clinical grades:

Number of Evaluations Completed						4 points off for each one not turned in by end of semester
Department Orientation Checklist						8 points off if not turned in by end of semester
Number of Competencies Completed						8 points off, each week comps are not completed after semester ends
Program/Department Policies & Practices						4% off - documented counseling 10% off - written corrective action. 16% off - final written or suspension

Clinical evaluations are reviewed when received by the clinical coordinator. The clinical coordinator meets privately with each student who has a score of 2 or less and/or comments on the evaluation that need to be discussed.

The manner in which clinical grades are determined for the Beachwood Diagnostic Medical Sonography which appears on page 63 in the originally published catalog effective August 1, 2025 has been updated to reflect correct information.

Beachwood Radiologic Technology

Clinical Grade Purpose

Students will be given an established number of points for each clinical experience. Each semester clinical grade will be determined by:

1. Submitting the 'Radiology Department Orientation Checklist' during the first clinical rotation. Eight points will be deducted if not completed.
2. The number of evaluations turned in by the end of the semester. Four points will be deducted from the established number of clinical points for each missing evaluation.
3. The number of competency evaluations completed by the end of the semester. Eight points will be deducted each week that the competencies are not turned in.
4. The number of failed competency examinations each semester as outlined in the Competency Examination Policy.
5. Observance of program and department policies and practices. Each corrective action will deduct a corresponding percentage of points.
6. Only one student clinical evaluation per two-week rotation will be accepted.

Clinical evaluations are reviewed when received by the coordinator. The coordinator meets privately with each student who has a score of 2 or less or there are comments on the evaluation that need to be discussed.

The fifth item explaining the manner in which clinical grades are determined for the Beachwood Radiologic Technology Program which appears on page 79 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct percentage of points deducted.

Cardiac Ultrasound Program

Advisory Board

The Advisory Board consists of internal and external in-field specialists, an employer, a physician, a clinical affiliate representative, a current student, a graduate representative and a public member who are committed to assisting the program's leadership and educators in fulfilling education objectives and improving program effectiveness. The Advisory Board meets at a minimum of once per year. Distribution of meeting minutes to the Advisory Board, program personnel, and interested parties is documented prior to the next scheduled meeting.

The Advisory Board description which appears on page 91 in the originally published catalog effective August 1, 2025 has been updated to include the inclusion of required Board members for Diagnostic Medical Sonography programs.

Cardiac Ultrasound Program

Grading Scale

Clinical Grading Scale:

P *75-100%
F 0-74%

*Minimum to pass the course

The Grading Scale section which appears on pages 95-96 in the originally published catalog effective August 1, 2025 has been updated to reflect the grading scale for clinical courses.

Cardiovascular Perfusion

Curriculum Outline

Spring Term		Clock Hours			
Course	**Course Title**	**Lecture**	**Lab**	**Clinical**	**Total**
PER101	Perfusion Theory I	48	0	0	48
PER102	Perfusion Theory II	33	0	0	33
PER103	Perfusion Circuit	32	0	0	32
PER100L	Clinical Instruction I	0	0	579	579
			TOTAL TERM		**692**

The Curriculum Outline which appears on pages 110-111 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct name of the first term.

Medical Dosimetry Program

Grading Scale

Scale	Grade	GPA	Definition
90-100%	A	4.0	Excellent
80-89%	B	3.0	Good
70-79%	C	2.0	Satisfactory
0-69%	F	0.0	Inadequate/Fail
70-100%	P		Pass

The Grading Scale which appears on page 153 in the originally published catalog effective August 1, 2025 has been updated to reflect the current grading scale.

Medical Dosimetry Program

Time Off

The total time off for the entire academic year is 25 days. This includes the 15 scheduled days plus an additional 10 personal days (75 hours). Personal days can be scheduled time off or used for an unscheduled absence (see attendance policy). Personal time must be used in .5 hour increments, 1 full day will equal 7.5 hours. Advance notice is required. Students are discouraged from taking time off during periods when didactic classes are held. If time is missed for any reason, it is the student's responsibility to make up the clinical or class work.

The Medical Dosimetry Time Off policy which appears on page 155 in the originally published catalog effective August 1, 2025 has been updated to include more specifics of how students can utilize the available time off.

Mercy Diagnostic Medical Sonography Program

Objectives

1. Prepare competent entry-level sonographers in cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains for the following concentrations: Abdominal-Extended Sonography Obstetrics and Gynecology Sonography

The Objectives which appear on page 175 in the originally published catalog effective August 1, 2025 has been updated to reflect the current first objective.

Mercy Diagnostic Medical Sonography Program

Advisory Board

The Advisory Board consists of internal and external in-field specialists, an employer, a physician, a clinical affiliate representative, a current student, a graduate representative and a public member who are committed to assisting the program's leadership and educators in fulfilling education objectives and improving program effectiveness. The Advisory Board meets at a minimum of once per year. Distribution of meeting minutes to the Advisory Board, program personnel, and interested parties is documented prior to the next scheduled meeting.

The Advisory Board description which appears on page 177 in the originally published catalog effective August 1, 2025 has been updated to include the inclusion of required Board members for Diagnostic Medical Sonography programs.

Paramedic Education Program

Program Re-Admission Policy

Paramedic Education is a competency-based program in which mastery of all-content within the program including didactic, practical, and clinical components are considered the total educational experience. Failure of any of the components in part or as a whole indicates that the student has been unable to meet the program's minimum competency requirements. Any student academically dismissed from the program will have to matriculate through the entire program if they are re-admitted. A student is not permitted to repeat any courses within the same cohort. No credit will be given for past experience or hours within a preceding program or course.

The Program Re-Admission Policy which appears on page 206 in the originally published catalog effective August 1, 2025 has been updated to clarify that repeating a course is not permitted in the Paramedic Education Program.

Post-Primary Magnetic Resonance Imaging

Attendance Policies

Call or email the program faculty:

- If a student is unable to attend class or clinical.
- If a student is running late to class or clinical (include an estimated time of arrival).

- If a student is told to leave clinical for lack of work / patients. The supervising technologist must call or email program officials.
- If a student unexpectedly needs to leave clinical early, notify a program official prior to leaving.

The Attendance Policies for calling or emailing program faculty to report absences, tardiness, or needing to leave early which appears on page 234 in the originally published catalog effective August 1, 2025 has been updated to omit a typo.

Primary Magnetic Resonance Imaging

Clinical Grade Purpose

Students will be given an established number of points for each clinical experience. Each semester clinical grade will be determined by:

1. The number of evaluations turned in by the end of the semester. Four points will be deducted from the established number of clinical points for each missing evaluation.
2. The number of competency evaluations completed by the end of the semester. Eight points will be deducted each week that the competencies are not turned in.
3. The number of failed competency examinations each semester as outlined in the Competency Examination Policy.
4. Observance of program and department policies and practices. Each corrective action will deduct a corresponding percentage of points.
5. Only one student clinical evaluation per two-week rotation will be accepted.

Clinical evaluations are reviewed when received by the coordinator. The coordinator meets privately with each student who has a score of 2 or less or there are comments on the evaluation that need to be discussed.

The fifth item explaining the manner in which clinical grades are determined for the Beachwood Radiologic Technology Program which appears on page 246 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct percentage of points deducted.

Clinical Pastoral Education Course Descriptions

CPE100F – CPE Internship Fall Extended Unit ***Clock Hours: 400***

This internship provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

CPE100S – CPE Internship Spring Extended Unit ***Clock Hours: 400***

This internship provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

CPE100I – CPE Internship Summer Intensive Unit ***Clock Hours: 400***

This internship provides weekly training that consists of clinical time with patients, verbatim seminars, didactic sessions, interpersonal relations group (IPR), and individual supervisory consultation. Participants receive an evaluation and certificate at the completion of each unit.

The course numbers and names which appear on page 281 in the originally published catalog effective August 1, 2025 have been updated to reflect the correct numbers and names for the Clinical Pastoral Education Internship.

Cytology Course Descriptions

CYTO501 - Introduction to Cytopathology ***Clock Hours: 10***

Overview of the history and significance of cytodiagnosis and its place in the modern medical laboratory. The basics of microscopy and the care of the microscope are included using cells from squamous epithelium. This course is delivered in a blended format.

Upon completion of the lectures, exams and exercises, the student will be able to describe the history and timeline of cytology's beginnings. The student will be able to apply the knowledge to utilize and troubleshoot a microscope.

CYTO505 - Cytopreparation ***Clock Hours: 66***

Laboratory hands-on experience in the accessioning, preparation and staining of all types of cytologic samples. Students learn the basics and troubleshooting of the various stains utilized in the cytology laboratory using manual and automated methods and prepare slides using state of the art equipment. This course is delivered in a blended format.

Upon completion of the lectures, exams and laboratory exercises, the student will be able to demonstrate competency of accessioning, preparation, staining and coverslipping of various cytology specimens.

CYTO510 - Gynecologic Cytopathology ***Clock Hours: 202***

Study of the Pap test including normal cells, inflammatory reactions, neoplasia (epithelial and nonepithelial), therapy changes and miscellaneous entities. The anatomy and histology of the female reproductive system are studied as they pertain to the cytologic sample and normal versus abnormal cytologic and histologic appearances compared. The cytologic criteria of malignancy are studied in depth. Areas of study include the uterine cervix, endometrium, fallopian tubes, ovaries, vagina and vulva. Nomenclature used in Pap test reporting and the triage and treatment of patients with gynecologic neoplasia are also included. This course is delivered in a blended format.

Upon completion of lectures, exams and exercises, the student will be able to describe and differentiate non-neoplastic and neoplastic gynecologic entities. Students will be able to interpret and diagnose gynecologic specimens.

CYTO520 - ***Respiratory Cytopathology*** ***Clock Hours: 46***

The anatomy, histology and cytologic appearance of benign, inflammatory and neoplastic conditions of the respiratory tract are presented. Didactic and practical instruction in the appearance of various types of specimens is included. Hands-on experience is gained in the preparation and review of bronchoscopy specimens for adequacy interpretation. This course is delivered in a blended format.

Upon completion of lectures, exams, and exercises, students will be able to describe and differentiate non-neoplastic and neoplastic entities of the respiratory system.

Upon completion of clinical experiences, students will demonstrate competency of rapid on-site evaluation during procedures.

CYTO530 - *Effusion Fluid Cytopathology* ***Clock Hours: 42***

The anatomy, histology and cytologic appearance of benign, inflammatory and neoplastic conditions of the body cavities are presented. In addition to the pleural and peritoneal cavities, pericardial, synovial and cerebrospinal fluids are studied. Primary and metastatic tumors and the ways to differentiate them morphologically and with the use of various stains are emphasized. This course is delivered in a blended format.

Upon completion of lectures, exams and exercises, students will be able to describe and differentiate non-neoplastic and neoplastic entities of effusion fluids. Students will be able to classify stains for various tumor types.

CYTO540 - *Gastrointestinal Cytopathology* ***Clock Hours: 33***

The anatomy, histology and cytologic appearance of benign, inflammatory and neoplastic conditions of the gastrointestinal tract are presented. Didactic and practical experience in the diagnosis of various disease processes is included. Fine needle aspiration of the liver and pancreas are included as a portion of this course. This course is delivered in a blended format.

Upon completion of lectures, exams and exercises, students will be able to describe and differentiate non-neoplastic and neoplastic entities of gastrointestinal system including pancreas and liver.

Upon completion of clinical experiences, students will demonstrate competency of rapid on-site evaluation during procedures.

CYTO550 - *Genitourinary Cytopathology* ***Clock Hours: 32***

The anatomy, histology and cytologic appearance of benign, inflammatory and neoplastic conditions of the genitourinary tract are presented. Students also learn fluorescence in-situ hybridization techniques used to follow patients for recurrent bladder cancer. This course is delivered in a blended format.

Upon completion of lectures, exams and exercises, students will be able to describe and differentiate non-neoplastic and neoplastic entities of the genitourinary system.

Upon completion of clinical experiences, students will be able to describe FISH urovysion techniques.

CYTO560 - *Fine Needle Aspiration Cytopathology* ***Clock Hours: 100***

Didactic and hands on experience in fine needle aspiration cytology as it pertains to all the body sites that are the source of cytologic material. Part of the didactic portion of this course is integrated with other courses in this curriculum in order to present the cytology of each system as a whole. Students have hands-on experience with simulated fine needle aspiration techniques and are able to view actual needle aspiration procedures as well as process specimens for immediate interpretation using several types of stains. This course is delivered in a blended format.

Upon completion of lectures, exams, and exercises, students will be able to describe and differentiate non-neoplastic and neoplastic entities of the breast, thyroid, salivary glands, lymph nodes, bone and soft tissue.

Upon completion of clinical experiences, students will demonstrate competency of rapid on-site evaluation during fine needle aspiration procedures.

CYTO600 - *Laboratory Operations* ***Clock Hours: 28***

Overview of laboratory management and cytology laboratory operation in particular. Included are a review of regulations that affect the laboratory and those individuals working there as well as the process of laboratory inspection with special emphasis on inspection by the College of American Pathologists (CAP). The code of ethics for the cytologist and laboratory regulations affecting Cytopathology are presented and discussed. In addition, participation in a group project assigned by the program that demonstrates the students understanding of laboratory design and operations is required to complete this course. This course is delivered in a blended format.

Upon completion of lectures and exercises, students will be to discuss and interpret regulations and laboratory operations to support a high-quality cytology laboratory.

CYTO601 - ***Independent Study*** ***Clock Hours: 280***

Journal club will be once a month based on the topic that is discussed in lectures. Each student will select an article, post it to the learning management system and will ask a question about another student's article and answer a question on their own article. Independent review lessons will be distributed weekly, based on the topic covered in lecture. Each lesson will be completed individually and reviewed weekly by the Program Director. Problem based learning topics are discussed throughout and participation during the meetings but also group work during the research to determine appropriate information to support the topic discussed. Case presentation, in 3 formats, written template, poster and oral, of an interesting cytology case from the lab or a case provided to the School. The written presentation will involve research and topic review in journals and texts. The oral presentation will be presented formally to the faculty and the cytology laboratory. Written research of a cytologic topic of choice involving additional study of literature or original research on a project in the lab. This course is delivered in a blended format.

Upon completion of the exercises and research, students will be able to apply and integrate their knowledge to create multiple projects that will demonstrate research techniques and presenting skills.

The course descriptions which appear on pages 283-285 in the originally published catalog effective August 1, 2025 have been updated to include information that courses are delivered in a blended format.

Medical Dosimetry Course Descriptions

DOS211 - Radiation Treatment Planning ***Contact Hours: 34***

This course provides an introduction to advanced concepts in medical dosimetry, including anatomy, imaging, treatment planning, motion management, and radiation biology. This course includes site specific labs instructed by Cleveland Clinic Medical Dosimetry Training Program Clinical Preceptors. This course is delivered in a blended format.

DOS221 - Pathophysiology and Oncology Management ***Contact Hours: 24***

This course presents an in-depth study of multidisciplinary treatment of the cancer patient from the clinician's viewpoint. Students are required to master concepts specific to site-specific disease including histopathology, etiologic and epidemiology factors, detection and diagnosis, tumor stage and grade, routes of metastases, dose fractionation and prognostic factors. This course is designed to approach each cancer type by anatomic system, addressing treatment factors with increasing degrees of complexity. This course is delivered in a blended format.

DOS301 - Radiation Physics ***Contact Hours: 34***

This course covers the basics of ionizing and non-ionizing radiation, atomic and nuclear structure, basic nuclear and atomic physics, radioactive decay, interaction of radiation with matter, and radiation detection and dosimetry. Brachytherapy, Special Procedures, Quality Assurance, Stereotactic Radiotherapy, and Particle Therapy are discussed. This course is delivered in a blended format.

DOS401 – Research ***Contact Hours: 17***

This course will provide students with hands-on experience of how to conduct research with the following objectives: (1) understanding ethical and legal consideration when conducting research; (2) learning how to conduct a literature search by using searching tools such as Google Scholar and PubMed; (3) learning how to identify research topics after conducting a literature review; (4) learning how to collect data, analyze data, and present research findings. This course is delivered in a blended format.

The course descriptions which appear on pages 287-288 in the originally published catalog effective August 1, 2025 have been updated to include information that courses are delivered in a blended format.

Medical Laboratory Science Course Description

MLS5201 - Hematology I ***Clock Hours: 85***

Lectures and reading assignments cover the basic methods of manual and automated hematology testing as well as the production, function, and morphology of hematopoietic cells. The various causes and presentations of anemias are also covered. The course also covers manual and automated enumeration and identification of the cellular components of blood and performance of diagnostic test procedures. Laboratory work will give the student hands-on experience with instrumentation and manual methods to assist with the understanding of troubleshooting, quality control, and result interpretation. Upon completion of the lectures, exams, and laboratory exercises, the student will describe the function of hematology analyzers, operate analyzers, perform diagnostic laboratory determinations, analyze the results, and diagnose anemias of various disease origins.

The course description which appears on page 289 in the originally published catalog effective August 1, 2025 has been updated to reflect the correct course number for MLS5201 - Hematology I.