ALLIED HEALTH

Welcome to the School of Allied Health where we are dedicated to shaping the future of healthcare through innovative education, research, and community service. Our school offers a comprehensive range of programs designed to prepare students for dynamic and rewarding careers in various allied health professions.

Our mission is to equip our students with the knowledge, skills, and compassion necessary to excel in their chosen fields and to make a meaningful impact on the health and well-being of individuals and communities. We achieve this through a combination of rigorous academic coursework, hands-on clinical experiences, and cutting-edge research opportunities.

In the School of Allied Health, you will learn from a distinguished faculty of experts and practitioners who are leaders in their respective fields. Our state-of-the-art facilities and simulation labs provide an immersive learning environment where students can apply their knowledge in real-world scenarios.

We offer a variety of degree and certificate programs, where each program is designed to meet the highest standards of academic excellence and professional practice.

Join us in the School of Allied Health and embark on a journey that will prepare you to become a compassionate and competent healthcare professional, ready to meet the challenges and opportunities of the everevolving healthcare landscape. Together, we can make a difference in the lives of those we serve.

The school collaborates closely with returning and transfer students to help them achieve their educational and career goals. We frequently engage with students who have gained valuable knowledge through life experiences, ensuring their unique backgrounds are recognized and integrated into their academic journey.

- · Allied Health Care Administration, BS
- · Allied Health Care Administration, BS/ Accelerated Nursing, BSN
- · Allied Health Care Administration, BS/ Cardiac Solography
- · Allied Health Care Administration, BS/ Doctor of Chiropractic
- · Allied Health Care Administration, BS/ Juris Doctorate
- · Health Care Leadership and Management, BS (4 year option)
- · Health Care Leadership and Management, BS (2 year option)
- · Respiratory Therapy, BS
- · Respiratory Therapy, BS (Degree Advancement Program)
- · Health Services, AAS
- · Health Care Administration Certificate
- · Health Care Services Coding and Reimbursement Certificate

Contact Information

Dr. Kristine Kraft Polsky 265 330-972-6516 knk@uakron.edu

- Allied Health Care Administration, BS (https://bulletin.uakron.edu/ undergraduate/colleges-programs/health-professions/allied-healthtechnology/allied-health-care-administration/)
- Allied Health Care Administration, Certificate (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-

- professions/allied-health-technology/allied-health-care-admin-certificate/)
- Allied Health Care Administration/Doctor of Chiropractic Accelerated Program, BS (https://bulletin.uakron.edu/undergraduate/collegesprograms/health-professions/allied-health-technology/allied-healthcare-administration-chiropratic/)
- Allied Health Care Administration/JD Accelerated, BS (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-professions/allied-health-technology/allied-health-careadministration-juris-doctorate/)
- Allied Health Care Administration/Medical Sonography Accelerated Program, BS (https://bulletin.uakron.edu/undergraduate/collegesprograms/health-professions/allied-health-technology/allied-healthcare-administration-medical-sonography/)
- Allied Health Care Administration/Nursing Accelerated Program, BS/ BSN (https://bulletin.uakron.edu/undergraduate/colleges-programs/ health-professions/allied-health-technology/allied-health-careadministration-nursing-accelerated/)
- Health Care Leadership and Management Step-Up, BS (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-professions/allied-health-technology/health-care-leadership-management-step-up/)
- Health Care Leadership and Management, BS (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-professions/allied-health-technology/health-care-leadership-management/)
- Health Care Services Coding and Reimbursement, Certificate (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-professions/allied-health-technology/healthcare-services-coding-reimbursement/)
- Health Services, AAS (https://bulletin.uakron.edu/undergraduate/ colleges-programs/health-professions/allied-health-technology/ health_services_aas/)
- Medical Assisting, Certificate (https://bulletin.uakron.edu/ undergraduate/colleges-programs/health-professions/allied-healthtechnology/medical-assisting-certificate/)
- Phlebotomy Technician, Certificate (https://bulletin.uakron.edu/ undergraduate/colleges-programs/health-professions/allied-healthtechnology/phlebotomy-technician-certificate/)
- Respiratory Therapy, BS (https://bulletin.uakron.edu/undergraduate/ colleges-programs/health-professions/allied-health-technology/ respiratory-therapy-bs/)
- Respiratory Therapy, BS, Degree Advancement Program (https://bulletin.uakron.edu/undergraduate/colleges-programs/health-professions/allied-health-technology/respiratory-therapy-dap/)

Allied Healthcare Administration (BAHA)

BAHA 120 Medical Terminology (3 Units)

Medical Terminology includes the study of medical prefixes, suffixes, word roots, combining forms, and with an emphasis on pronunciation, spelling, and abbreviations. Medical Terminology related to the body systems will be emphasized. The purpose of the course is to equip the student with a basic understanding of the tools needed to learn medical terminology as it relates to the body systems with an emphasis on spelling and pronunciation. (Formerly 2750:120)

BAHA 121 Study of Disease Processes (3 Units)

This course studies human disease and the disease process including treatments, causes, incidence, signs and symptoms, and diagnosis. (Formerly 2750:121)

BAHA 122 Emergency Responder I (1 Unit)

Theory and practice in recognition and response to emergencies by the medical professional including but not limited to: breathing difficulty, cardiac arrest, heart attack, stroke, bleeding, wound care, musculoskeletal injuries, burns. poisonings, heat and cold exposure, and diabetic care. (Formerly 2750:122)

BAHA 200 Introduction to Health Care Services (3 Units)

Introduction to the contents and design of health records; The health care oversight and regulatory bodies; and discussion of how clinical documentation facilitates the function of the health care delivery system. (Formerly 2750:200)

BAHA 220 Introduction to Health Care Analytics (3 Units)

This course is designed to introduce students to both healthcare analytics and the use of Microsoft Excel. Healthcare analytics can be used to provide actionable insights that aid providers, hospitals, and government agencies can use in making decisions about patient care and operations. The goal of healthcare analytics is to improve patient outcomes and provide value to provider organizations.

BAHA 226 Health Care Statistics and Registries (3 Units)

Prerequisites: 2030:130 and CISS 105. This course covers computations of routine health care institutional statistics, the presentation and interpretation of health care data, and the use of disease and procedural registries. (Formerly 2750:226)

BAHA 227 Basic Procedural Coding (3 Units)

Prerequisite: BAHA 120. Class focuses on converting the procedural language into industry standard character strings for purposes of reimbursement CPT and HCPCS codes; learning how to convert procedural statements into CPT and HCPCS codes; learning how to apply carrier rules for reimbursement. (Formerly 2750:227)

BAHA 229 Basic Diagnostic Coding (3 Units)

Prerequisite: BAHA 120. This class focuses on converting the diagnostic language into industry standard character strings ICD-10-CM for purposes of reporting, research, and reimbursement. (Formerly 2750:229)

BAHA 230 Basic Pharmacology (3 Units)

This course is an introduction to pharmacology, organized and presented by therapeutic classification. Topics will include pharmacokinetics, factors which influence drug actions, routes or administration, and adverse effects. (Formerly 2750:230)

BAHA 302 Clinical Information Systems (3 Units)

Discussion of clinical systems including history of EHR and EMR, the theories behind systems, implementation, evaluation pathways, 'Meaningful Use' and the architecture in different settings. (Formerly 2750:302)

BAHA 303 Health Care Coding Capstone (3 Units)

Prerequisites: BAHA 227 and BAHA 229. Through case studies, the class is intended to prepare the student for either the AAPC CPC or the AHIMA CCS-P certification exam. (Formerly 2750:303)

BAHA 304 Health Care Management Foundations (3 Units)

This course focuses on the circumstances unique to the health care industry management as manifested by patient privacy, outsourcing, and telecommunications. (Formerly 2750:304)

BAHA 328 Medical Insurance (3 Units)

This course examines the nature of medical insurance reimbursement for medical services. Students will be equipped with an understanding of insurance and reimbursement methodologies. (Formerly 2750:328)

BAHA 331 Advanced Health Care Coding Topics (3 Units)

Prerequisites: BAHA:227 and BAHA:229. An advanced coding course that builds on the CPT and HCPCS codes sets and the ICD-10-CM code set and introduces a series of detailed management topics related to coding. (Formerly 2750:331)

BAHA 336 Legal Concepts of Health Care (3 Units)

Study of legal principles related to patient care and patient records. (Formerly 2750:336)

BAHA 350 Coding Practicum (3 Units)

Prerequisites: BAHA 227, BAHA 229, BAHA 303, and BAHA 331. The coding practicum course provides professional experience in an approved site under the direction of a coding or HIM faculty member and an onsite coordinator. (Formerly 2750:350)

BAHA 360 Health Care Human Resource Management (3 Units)

This course will acquaint you with concepts and methods needed to plan, forecast, recruit, train, develop, maintain, and evaluate health manpower. It will also provide an understanding of the impact of licensing, regulation, and 2 labor relations activities on health care institutions, with an emphasis on organization effectiveness and productivity. The course will include human resource planning, staffing, job analysis, job descriptions, job evaluation, availability of human resources, recruiting, selection, orientation, training, credentialing, communication, motivation, performance criteria, TQM, performance appraisal, counseling, career development, wage, salary, and benefits administration, OSHA, institutional labor relations, the National Labor Relations Act, collective bargaining, bargaining units, elections, contracts, strikes, Civil Rights Act, Affirmative Action, Fair Labor Standards Act, Employee Retirement Income Security Act, Workers Compensation Act, Unemployment Insurance, Americans with Disabilities Act and the Family

BAHA 401 Management Information Systems (3 Units)

This senior level course focuses on the management of HIM through case studies and textbook work. (Formerly 2750:401)

BAHA 402 Quality Management in Health Care (3 Units)

Prerequisite: Senior standing or permission . This capstone course will discuss and utilize methods used to define, implement, and monitor total quality management in health care. The doctrine of the quality assessment process and risk management will be emphasized. The course will provide an opportunity for the student to gain skills in collecting and analyzing data through a team approach. This course utilizes information that is acquired throughout the program. (Formerly 2750:402)

Gen Ed: Capstone

BAHA 403 Health Care Planning & Marketing (3 Units)

This course will focus on health care planning and marketing. It will include an overview of business analysis and application within the business of health care with a special emphasis on the development, application of plans, and their implementation in a health care institution. This course will also pay special attention to ethical and societal dimensions of marketing as it is applied in health care industries.

BAHA 410 Health Care Research (3 Units)

Prerequisites: ENGL 222 and STAT 260. Through review of research, HIM students in this class will learn how to support clinicians' data needs while research is conducted. (Formerly 2750:410)

BAHA 411 Health Care Finance (3 Units)

Prerequisites: [COMM 211 or ACCT 201], BAHA 227, BAHA 229 and BAHA 328. Integration of principles learned in accounting, coding, and insurance prerequisites into an exploration of financial management in the sector of the economy that is health care. (Formerly 2750:411)

BAHA 412 Current Topics in HIM (3 Units)

Prerequisites: BAHA 200, BAHA 302, BAHA 303, BAHA 304, BAHA 331, BAHA 336, BAHA 402, and BAHA 411. Concepts of HIM are integrated and applied through the analysis of case studies and the completion of a capstone project. (Formerly 2750:412)

BAHA 420 HIM Capstone (4 Units)

Prerequisites: BAHA 200, BAHA 226, BAHA 302, BAHA 303, BAHA 304, BAHA 331, BAHA 336, BAHA 402, and BAHA 411. This course prepares senior HIM students for the Registered Health Information Administrator (RHIA) national certification examination. (Formerly 2750:420)

BAHA 450 Health Care Externship (1-12 Units)

Prerequisite: Permission of department. Field-oriented supervised learning activities outside the college classroom that include a preplanned assessment of the experience, registration during the term the experience is conducted, and post evaluation with the instructor. Departmental approval. (Formerly 2750:450)

Allied Health (ANAT)

ANAT 206 Applied Human Anatomy & Physiology I (3 Units)

This course is designed to familiarize students to the structure, function, and physiology of the human body. Topics covered include organization of the body, chemistry, cells, tissues, integumentary system, the skeletal, articulations, muscular system, respiratory system, blood, and cardiovascular system. (Formerly 2780:206)

Ohio Transfer 36: Yes Gen Ed: Natural Science

ANAT 207 Applied Human Anatomy & Physiology II (3 Units)

This course is designed to familiarize students the structure, function, and physiology of the human body. This course is the second portion of a two part course. Topics covered include the following body systems: nervous system, senses, endocrine system, lymphatic system, immune system, digestive system, urinary system, male reproductive system, female reproductive, and life span development. (Formerly 2780:207)

Ohio Transfer 36: Yes Gen Ed: Natural Science

ANAT 210 Applied Human Anatomy & Physiology Lab I (1 Unit)

Pre/Corequisite: ANAT 206. This course is an adjunct to the lecture of the structure and function of the human body. This course will be hands on learning to assist in the understanding of anatomy and physiology. Topics covered include organization of the body, chemistry, cells, tissues, skeletal system, muscular system, hematology, cardiovascular, and respiratory systems (Formerly 2780:210)

Gen Ed: Natural Science with Lab

ANAT 211 Applied Human Anatomy & Physiology Lab II (1 Unit)

Pre/Corequisite: ANAT 207. This course is an adjunct course of an introduction to the structure and function of the human body. This course will be hands on learning to assist in the learning of anatomy and physiology. Topics covered include the following body systems; nervous, senses, endocrine, digestive, urinary, reproductive, lymphatic, and human development. (Formerly 2780:211)

Gen Ed: Natural Science with Lab

ANAT 290 Special Topics: Allied Health (1-2 Units)

Prerequisite: Permission. Selected topics or subject areas of interest in allied health. (May be repeated for a total of four credits) (Formerly 2780:290)

Respiratory Care (RESP)

RESP 100 Concepts in Respiratory Therapy (3 Units)

Prerequisites: MATH 152 and MATH 153. Introductory concepts regarding the practice and application of the theories employed in respiratory therapy, including career information, equipment (lecture/discussion) (Formerly 2790:100)

RESP 210 Respiratory Therapy Procedures I (3 Units)

Prerequisites: [RESP 100, BAHA 120, and ANAT 206] or [BIOL 200 and BIOL 201]. Application of oxygen and aerosol therapy equipment. Lecture/laboratory. (Formerly 2790:210)

RESP 215 Respiratory Therapy Pharmacology (3 Units)

Prerequisites: RESP 100, CHEM 110, and CHEM 111. Pharmacologic actions and effects of medications delivered by respiratory therapists, and routes of administration. (Formerly 2790:215)

RESP 290 Special Topics: Respiratory Care (1-3 Units)

Prerequisite: Permission. Selected topics or subject areas of interest in respiratory therapy technology. (May be repeated for a maximum of three credits) (Formerly 2790:290)

RESP 301 Cardiopulmonary Assessment Techniques (2 Units)

Prerequisite: ANAT 207 or [BIOL 202 and BIOL 203]. Overall patient assessment, with concentration on the cardiopulmonary systems. Overview of common illness and related clinical manifestations. Lecture/laboratory. (Formerly 2790:301)

RESP 302 Cardiopulmonary Anatomy and Physiology (3 Units)

Prerequisites: [RESP 210 and ANAT 207] or [BIOL 202 and BIOL 203]. Corequisite: RESP 301. Study of normal anatomy and physiology of cardiopulmonary systems. (Formerly 2790:302)

RESP 303 Cardiopulmonary Pathology (4 Units)

Prerequisites: RESP 301 and RESP 302. Discussion of diseases of the heart and lungs, and their relationship to the role of the respiratory therapist. (Formerly 2790:303)

RESP 311 Respiratory Therapy Procedures II (3 Units)

Prerequisites: [RESP 210 and ANAT 207] or [BIOL 202 and BIOL 203]. Airway Care and Lung Inflation Techniques. Lecture/laboratory. (Formerly 2790:311)

RESP 312 Diagnostics I (3 Units)

Prerequisite: RESP 210. Corequisites: RESP 301, RESP 302, and RESP 311. Bedside screening studies for the evaluation of cardiopulmonary diseases. Lecture/laboratory. (Formerly 2790:312)

RESP 313 Diagnostics II (3 Units)

Prerequisites: RESP 311 and RESP 312. Corequisite: RESP 303. Laboratory diagnostic studies for the evaluation of cardiopulmonary diseases. Lecture/laboratory. (Formerly 2790:313)

RESP 315 Advanced Pharmacology for Respiratory Therapy (3 Units) Prerequisite: RESP 215. Pharmacologic actions and effects of

Cardiopulmonary Medications. (Formerly 2790:315)

RESP 320 Neonatal/Pediatrics for Respiratory Therapy I (3 Units)

Prerequisite: RESP 301. In depth coverage of neonatal & pediatric respiratory care concepts. Emphasis placed on anatomy and physiology, assessment, and therapeutics. (Formerly 2790:320)

RESP 325 Mechanical Ventilation (4 Units)

Prerequisites: RESP 303, RESP 312, RESP 315, RESP 320, and RESP 341. Introduction to mechanical ventilation and equipment. Lecture/lab. (Formerly 2790:325)

RESP 340 Application of Clinical Concepts (2 Units)

Prerequisite: RESP 210. Corequisite: RESP 301. Introduction to basic respiratory therapy in a hospital setting, and hands-on practice with respiratory therapy equipment, including CPR for the professional. Lecture/clinical. (Formerly 2790:340)

RESP 341 RT Clinical Experience I (3 Units)

Prerequisites: RESP 215, RESP 311, and RESP 340. Application of clinical procedures in a hospital setting, with emphasis on basic therapeutic interventions. Clinical. 225 clinical hours. (Formerly 2790:341)

RESP 342 RT Clinical Experience II (2 Units)

Prerequisites: RESP 315, RESP 325, and RESP 341. Application of clinical procedures in a hospital setting, with emphasis on mechanical ventilation techniques. 150 clinical hours. (Formerly 2790:342)

RESP 413 Evolving Roles of Respiratory Therapists (3 Units)

Prerequisite: RESP 313. Detailed study of evolving roles for Respiratory Therapists including career opportunities and outlook for roles in alternative settings. (Lecture/Lab). (Formerly 2790:413)

RESP 420 Advanced Neonatal/Pediatrics for Respiratory Therapy (3 Units)

Prerequisite: RESP 320. Detailed study of airway management, pathophysiology and treatment modalities as they relate to neonatal/pediatrics. (Formerly 2790:420)

RESP 421 Advanced Critical Care (3 Units)

Prerequisites: RESP 303, RESP 315, RESP 320, and RESP 340. This course will provide an in-depth overview of advanced mechanical ventilator modes, advanced mechanical ventilator management strategies, complex disease processes and disease management which includes critical care pharmacology. Advanced Cardiovascular Life Support (ACLS), including advanced ECG interpretation, and Pediatric Advanced Life Support (PALS) introductory concepts will also be discussed. (Formerly 2790:421)

RESP 430 Problems in Respiratory Therapy (4 Units)

Prerequisites: RESP 313, RESP 420, and RESP 443. Capstone course, applies the concepts from clinical situations, using computer simulations and cases and evaluates research in Respiratory therapy. (Formerly 2790:430)

RESP 443 RT Clinical Experience III (4 Units)

Prerequisite: RESP 342. Rotation to a variety of Health care facilities to practice specialty procedures in each institution. 300 clinical hours (Formerly 2790:443)

RESP 444 RT Clinical Experience IV (4 Units)

Prerequisite: RESP 443. Rotation to a variety of health care facilities to practice specialty procedures from each institution. Clinical (total of 300 hours). (Formerly 2790:444)

Medical Assisting (MEDAS)

MEDAS 135 Clinical Medical Assisting I (4 Units)

First clinical course preparing future medical assistants in medical laboratory, physical examination, vital signs, EKGs, microbiology, procedural asepsis, suture removal, basic rehabilitation, eye and ear treatments, and basic nutrition. (Formerly 2740:135)

MEDAS 200 Administrative Medical Assisting (3 Units)

Theory and practice in administrative medical assisting competencies such as legal and ethical concepts, medical front-office responsibilities, and financial administration.

MEDAS 235 Clinical Medical Assisting II (4 Units)

Prerequisite: MEDAS 135. The second medical assisting clinical course covers theory and practice of POL laboratory tests, medication administration, minor office surgery, venipuncture, emergent services, and radiography principles. (Formerly 2740:235)

MEDAS 246 Medical Assisting Practicum (4 Units)

Prerequisites: Permission of the clinical educator and the program director. The practicum work experience will allow the student to have direct practice experience. This class also prepares students for their national certification exam. The accrediting body requires a minimum of 160 hours. (Formerly 2740:246)

Phlebotomy (PHLEB)

PHLEB 200 Phlebotomy Technician Theory (2 Units)

This course for Phlebotomy Technician includes theoretical experience in phlebotomy where the student can gain the knowledge of administrative/clinical procedures. This course also will prepare the student for the national certification exam.

PHLEB 250 Phlebotomy Technician Practicum (2 Units)

This course for Phlebotomy Technician includes 40 hours of practicum experience in phlebotomy where the student can perform administrative/clinical procedures with actual patients. This course also will prepare the student for the national certification exam.

Radiology Ultrasound (RADUS)

RADUS 101 Adult Echocardiography I (4 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. 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.

RADUS 102 Ultrasound Physics and Instrumentation I (2 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. Fundamental principles of ultrasound physics including sound wave generation and propagation in tissue; factors affecting acoustical impedance and reflection. Transducer design, characteristics and construction, and principles of Doppler ultrasound will also be covered. Integration of these theories, principles, and their clinical applications will be emphasized.

RADUS 103 Clinical Externship I (4 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. Corequisites: RADUS 101 and RADUS 111. 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.

RADUS 111 Adult Echocardiography Scan Lab I (4 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. Corequisite: RADUS 101. 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.

RADUS 201 Adult Echocardiography II (4 Units)

Prerequisites: RADUS 101 and Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. Corequisite: RADUS 211. 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.

RADUS 203 Clinical Externship II (3 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. 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.

RADUS 211 Adult Echocardiography Scan Lab II (3 Units)

Prerequisites: RADUS 111 and Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. Corequisite: RADUS 201. 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.

RADUS 301 Adult Echocardiography III (6 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. 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.

RADUS 303 Clinical Externship III (6 Units)

Prerequisite: Acceptance into the Cleveland Clinic Cardiothoracic Ultrasound Program. 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.