introduce the student to Doppler imaging of the abdomen, extremities, intracranial vessels, and Ankle brachial indexes, and Plethysmography.

DMS 231 Vascular Sonography Procedures
Reading Placement Test Level: None
Prerequisite: Introduction to Vascular Sonography
Credit Hours: 4
This course will increase your knowledge and Doppler skills of the cerebrovascular, extremities, abdominal vasculature, transcranial, plethysmography, segmental, ABI’s, aortic aneurysms, IVC imaging, venous Doppler evaluation with compression and augmentation, Allen test, Laser vein ablation, radio frequency, invasive vs. noninvasive testing, carotid imaging and evaluation, Raynaud’s testing, and all vascular Sonography procedures. Lab scanning and exam competencies will be performed in the lab setting.

DMS 234 Sonography and Physics Registry Review
Reading Placement Test Level: None
Prerequisite: DMS 211 Sonography Physics & Instrumentation
Credit Hours: 2
This course will provide a detailed review of principles of the production and propagation of sound waves as applied to diagnostic medical Sonography. Included will be acoustic physics, Doppler shift, acoustic parameters, waveform interference and Doppler ultrasound principles. This course will prepare the student for the SPI physics registry.

DMS 249 Echocardiography Board Review
Reading Placement Test Level: None
Prerequisite: Strongly recommend having DMS Introduction to echocardiography. Previous ultrasound training is recommended.
Credit Hours: 2
This course is designed as a continuation of DMS214: Introduction to Echocardiography. This course is didactic only and has no clinicals. The student will be required to satisfy ARDMS clinical requirements separately. The course will include pictures, videos, and tests to help prepare the student for the national echocardiography boards. The course follows the ARDMS echocardiography outline.

DMS 250 Sonography Registry Review
Reading Placement Test Level: None
Prerequisite: DMS 205 Sonography Sectional Anatomy & Pathology I, DMS 207 OB/GYN Sonography Procedures, DMS 231 Vascular Sonography Procedures
Credit Hours: 6
This course is broken down into three areas that will review all necessary subject matter of normal vs. diseased anatomy, functions, pathology, physiology, sectional abdominal anatomy, OB/GYN, vascular, and small parts to better prepare students to sit for registry exam.

Drafting

DRAF 105 (5309) Computer Aided Drafting I
Reading Placement Test Level: None
Prerequisite: COMP 110 Computer Concepts and Applications or equal Computer experience
Credit Hours: 3
This course will teach the student how to prepare engineering drawings using CAD software. The software is AutoCAD for Windows. The student will learn to be proficient in the use of the software, be able to take a picture on paper and convert it to an electronic copy. The student will be expected to develop acceptable skills in the use of CAD software. Some of the areas covered will be – use of software and hardware, drawing and object lines, editing commands, placing text on a drawing, drawing multiple entities, use of layers and line types, dimensioning, text editing and copying files to and from the computer.

Reading Essentials Placement Scores: ACT 0-12, COMPASS 0-54
College Reading Placement Scores: ACT 13-16, COMPASS 55-74
No Reading Course Required Placement Scores: ACT 17 or Higher, COMPASS 75 or higher
IO = Infrequently Offered Course
DRAF 106 (5730) Computer Aided Drafting II  
**Prerequisite:** DRAF 105 Computer Aided Drafting I  
**Credit Hours:** 3  
This course will teach the student how to prepare engineering drawings using CAD software. It is a continuation of Computer Aided Drafting I. The software utilized will be AutoCAD for Windows. Basic AutoCAD commands will be reviewed. Advanced commands will be stressed. The course is designed for the person who has been exposed to a CAD system. More advanced methods will be utilized for the following function: drawing lines, drawing objects, editing commands, test, layers line types, dimensioning, and file management.

INDU 131 (5303) Engineering Graphics I  
**Reading Placement Test Level:** None  
**Prerequisite:** None  
**Credit Hours:** 3  
An orientation to the field of drafting, including care and use of instruments and media, lettering, freehand sketching, orthographic drawings, dimensions, pictorial drawing.

INDU 132 (5303) Engineering Graphics II  
**Reading Placement Test Level:** None  
**Prerequisite:** INDU 131 Engineering Graphics I  
**Credit Hours:** 3  
A study of intersections of solids, surfaces, conic sections, and graphical solution of vector problems. Introduction to computer graphics software and hardware and interactive creation and editing of data files.

**Economics (ECON)**

ECON 101 (2249) Issues in Today's Economy  
**Reading Placement Test Level:** College Reading  
**Prerequisite:** None  
**Credit Hours:** 3  
Issues in Today's Economy is designed to be a practical guide to the economy for non-majors. The course emphasizes important current issues in both the macro and micro economy such as inflation, unemployment, taxes, healthcare, energy policy, crime, terrorism and the global economy.

ECON 203 (2241) Macroeconomics  
**Reading Placement Test Level:** College Reading  
**Prerequisite:** None  
**Credit Hours:** 3  
Introduces the student to the principles of macroeconomics. The course will cover the economic theories involved in explaining the behavior of the entire economy. Topics will include supply and demand, the relationship between economic activity with the money and banking system, unemployment, inflation, productivity, economic growth, economic fluctuations and international trade.

ECON 204 (2242) Microeconomics  
**Reading Placement Test Level:** College Reading  
**Prerequisite:** None  
**Credit Hours:** 3  
Introduces the student to the principles of microeconomics. The course will cover such topics as consumer choice, supply and demand relationships in markets, the theory of the firm within perfect competition, monopoly, monopolistic competition, and oligopoly market structures, the labor market, income inequality and government intervention in markets.

*Reading Essentials Placement Scores: ACT 0-12, COMPASS 0-54  
College Reading Placement Scores: ACT 13-16, COMPASS 55-74  
No Reading Course Required Placement Scores: ACT 17 or Higher, COMPASS 75 or higher  
**IO** = Infrequently Offered Course*