

MEDICAL SCIENCE MAJOR: (BS PROGRAM) ECHOCARDIOGRAPHY CONCENTRATION



EDGEWOOD COLLEGE

2015-2016 Catalog
Declaration of Major

Name: _____ ID: _____

Major Advisor Approval: _____ Date: _____

Department Chair Approval: _____ Date: _____

Intended Graduation Month: January August May Intended Graduation Year: _____

THIS FORM IS TO ADD/DECLARE A MAJOR. IF YOU WISH TO DROP/REMOVE A PREVIOUSLY DECLARED MAJOR, YOU MUST SUBMIT A SEPARATE MAJOR DECLARATION DROP FORM. THIS FORM IS AVAILABLE AT REGISTRAR.EDGEWOOD.EDU

Up to three years of undergraduate academic study including completion of all General Education degree requirements.

Major Requirements:

The following science and math courses must be completed prior to the clinical internship at University of Wisconsin Hospitals & Clinics (UWHC):

Transfer credit applied (including AP/CLEP/etc):
Course / Institution

BIO 202		Medical Terminology*	
BIO 210		Anatomy and Physiology I*	
BIO 211		Anatomy and Physiology II*	
BIO 251	IX	Introduction to Biology Research I*	
BIO 410	K	Pathology*	
BIO 499		Biology Assessment*	
CHEM 400	3	Ethics & Responsibility in Scientific Research	
PHYS 130	S	General Physics I*	
PHYS 131	S	General Physics II*	
PSY 101	J	General Psychology	
PSY 345		Lifespan Development*	
RS 442	RU	Moral Responsibility and the Ethics of Health*	

One of the following Biology sequences:

BIO 151	ESU	General Biology: Cell Biology and Ecology*	
		AND	
BIO 152	S	General Biology: Genetics and Evolution	
BIO 155	SU	Human Cell Biology and Genetics*	
BIO 181	ESU	Honors General Biology: Genetics and Evolution*	
		AND	
BIO 182	S	Honors General Biology: Information Flow in Living Systems*	

One of the following Chemistry sequences:

CHEM 110 & 111	S	Introductory Chemistry & Introductory Organic Chemistry and Biochemistry*
CHEM 120 & 121	S	General Chemistry I & General Chemistry II*

One of the following Mathematics courses:

MATH 114A	M	Precalculus A: College Algebra*
MATH 114B		Precalculus B: Trigonometry*

Clinical Internship:

University of Wisconsin Hospital & Clinics (UWHC)

**course has prerequisites*

To include:

CL SCI 310	Introduction to Diagnostic Medical Sonography
CL SCI 320	Cardiovascular Principles I
CL SCI 323	Sonographic Physics & Instrumentation
CL SCI 337	Clinical Education I
CL SCI 340	Embryology of the Heart
CL SCI 341	Adult Echo-Vascular Heart Disease
CL SCI 342	Clinical Education II
CL SCI 345	Pediatric Echocardiography I
CL SCI 346	Adult Echo-Cardiomyopathies
CL SCI 347	Clinical Education III
CL SCI 435	Adult Echo- Advanced Pathology
CL SCI 436	Pediatric Echocardiography II
CL SCI 437	Stress Echocardiography
CL SCI 438	Clinical Education IV
CL SCI 440	Clinical Education V
CL SCI 441	Special Procedures in Echocardiography
CL SCI 450	Vascular Sonography I
CL SCI 451	Vascular Sonography II
CL SCI 454	Intro to Fetal Echocardiography
CL SCI 455	Vascular Sonography III
CL SCI 457	Clinical Education VI
CL SCI 458	Seminar in Advanced Medical Imaging
CL SCI 460	Seminar in Professional Development
CL SCI 463	Seminar in Management & Education

Policies:

Transfer students must take a minimum of 8 biology credits at Edgewood College for a Medical Science major.

All of the prerequisite math and science courses listed above must be completed within the last five years before students begin the clinical internship at the University of Wisconsin Hospitals and Clinics (UWHC).

Students are required to have an overall GPA of 3.0 on a 4 point scale for all pre-clinical coursework for the two Sonography

Students are required to have an overall GPA of 3.0 on a 4 point scale for all pre clinical coursework for the two Sonography concentrations. In addition, a minimum of "C" grades must be earned in each prerequisite course which includes all courses listed above except for courses list as "COR" or "Gen. Ed."

After showing satisfactory progress in both years of the internship program, students will be permitted to participate in the May commencement ceremony as an August graduate. Upon completion of the clinical coursework in the August of the second year of the internship, the students will be granted a B.S. degree in Medical Science with one of the three concentrations listed below from Edgewood College. The student will then be eligible to take the examination for national certification.