

# MEDICAL SCIENCE MAJOR

(BS PROGRAM)

RADIOGRAPHY CONCENTRATION

2017-2018 Catalog

Information Sheet



EDGEWOOD COLLEGE

*This Information Sheet is for advising purposes only. Do not submit this form as a Major/Minor Declaration Form; a separate form is required to declare your major/minor.*

The Medical Science major includes up to three years of undergraduate academic study including completion of the 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):

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*

One of the following Biology options:

BIO 151	ESU	General Biology: Ecology, Genetics and Evolution*
		AND
BIO 152	S	General Biology: Cells and Molecules*
BIO 155	SU	Human Cell Biology and Genetics*
BIO 181	ESU	Honors Gen Bio: Ecology, Genetics and Evolution*
		AND
BIO 182	S	Honors General Biology: Cells and Molecules*

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*

One of the following Medical Law courses:

PHIL 442	PU	Health Care Ethics*
RS 442	RU	Moral Responsibility and the Ethics of Health*

Clinical Internship:

University of Wisconsin Hospital & Clinics (UWHC)
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*\*course has prerequisites*

**Policies:**

Students that choose the sonography concentration can elect to be trained in general sonography or echocardiography during their UWHC internship. Students must elect general sonography or echocardiography when they receive their letter of acceptance from UWHC.

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

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 two concentrations listed below from Edgewood College. The student will then be eligible to take the examination for national certification.

Students are required to shadow a sonographer or radiographer 4-8 hours prior to application to UWHC in the Fall semester of your Junior year. Please talk to your major advisor to request a shadowing experience through UWHC. Students are encouraged to shadow general sonography, echocardiography, and radiography to make an informed decision and to facilitate a clear understanding of the differences between fields.