

BIOLOGY DEPARTMENT

COURSE RECOMMENDATIONS

2013-2014 Catalog



EDGEWOOD COLLEGE

Ecology/Conservation Biology

Students interested in ecology and/or conservation biology should consider taking the following courses as part of their program of study:

Biology courses (as part of the biology coursework requirement):

<input type="checkbox"/>	BIO 206	EV	Natural Communities of Wisconsin
<input type="checkbox"/>	BIO 250	EV	Environmental Biology
<input type="checkbox"/>	BIO 333	E	Ecological History of Civilization
<input type="checkbox"/>	BIO 450	E	Ecology
<input type="checkbox"/>	BIO 292		Biology Excursions
<input type="checkbox"/>	BIO 402		Cell and Molecular Biology
<input type="checkbox"/>	BIO 430		Animal Behavior

Courses outside of biology:

<input type="checkbox"/>	GEOS 206	EV	Environmental Geology
<input type="checkbox"/>	PS 352	EJ	Environmental Politics
<input type="checkbox"/>	GEOG 265	E	Environmental Conservation

Medical Science and Biomedical Graduate Programs

Students interested in medical or health-related fields should consider the following courses as part of their program of study:

Biology courses (as part of the Biology coursework requirement):

<input type="checkbox"/>	BIO 210		Anatomy and Physiology I
<input type="checkbox"/>	BIO 211		Anatomy and Physiology II
<input type="checkbox"/>	BIO 312	S	Microbiology
<input type="checkbox"/>	BIO 402		Cell and Molecular Biology
<input type="checkbox"/>	BIO 406		Medical Microbiology
<input type="checkbox"/>	BIO 408		Immunology
<input type="checkbox"/>	BIO 410		Pathology
<input type="checkbox"/>	BIO 425		Comparative Animal Physiology
<input type="checkbox"/>	BIO 469		Endocrinology

Chemistry courses (as part of the Biology coursework requirement):

<input type="checkbox"/>	CHEM 120	S	General Chemistry I
<input type="checkbox"/>	CHEM 121	S	General Chemistry II

Additional chemistry and physics courses that students interested in medical science or biomedical graduate programs should consider taking:

<input type="checkbox"/>	CHEM 321		Organic Chemistry I
<input type="checkbox"/>	CHEM 323		Organic Chemistry II
<input type="checkbox"/>	CHEM 340		Biochemistry
<input type="checkbox"/>	PHYS130&131	S	General Physic I & General Physics II OR
<input type="checkbox"/>	PHYS201 & 202	S	College Physics I & College Physics II

Sports Science

Students interested in physical therapy, exercise physiology, or other sports science fields should also consider the following science courses as a part of their program of study:

Biology courses (as part of the Biology coursework requirement):

<input type="checkbox"/>	BIO 210		Anatomy and Physiology I
<input type="checkbox"/>	BIO 211		Anatomy and Physiology II
<input type="checkbox"/>	BIO 220	V	Introduction to Biomechanics
<input type="checkbox"/>	BIO 312	S	Microbiology
<input type="checkbox"/>	BIO 402		Cell and Molecular Biology
<input type="checkbox"/>	BIO 410		Pathology
<input type="checkbox"/>	BIO 415		Exercise Physiology
<input type="checkbox"/>	BIO 425		Comparative Animal Physiology

Chemistry courses (as part of the Biology coursework requirement):

<input type="checkbox"/>	CHEM 120	S	General Chemistry I
<input type="checkbox"/>	CHEM 121	S	General Chemistry II

Additional chemistry and physics courses that students interested in sports medicine should consider taking:

<input type="checkbox"/>	CHEM 321		Organic Chemistry I
<input type="checkbox"/>	CHEM 323		Organic Chemistry II
<input type="checkbox"/>	PHYS130&131	S	General Physics I & General Physics II OR
<input type="checkbox"/>	PHYS201 & 202	S	College Physics I & College Physics II

Graduate School

Students interested in pursuing graduate work in biology leading to a Master's degree or Doctorate should contact their advisor to determine which Biology elective courses will best prepare them for a particular graduate program. The following list of chemistry, physics, and math courses are commonly expected for graduate admissions:

Chemistry courses (as part of the Biology coursework requirement):

<input type="checkbox"/>	CHEM 120	S	General Chemistry I
<input type="checkbox"/>	CHEM 121	S	General Chemistry II

Additional chemistry and physics courses:

<input type="checkbox"/>	CHEM 321		Organic Chemistry I
<input type="checkbox"/>	CHEM 323		Organic Chemistry II
<input type="checkbox"/>	CHEM 340		Biochemistry
<input type="checkbox"/>	PHYS130&131	S	General Physics I & General Physics II OR
<input type="checkbox"/>	PHYS201 & 202	S	College Physics I & College Physics II

Mathematics courses:

<input type="checkbox"/>	MATH 121	M	Statistics
<input type="checkbox"/>	MATH 231	M	Calculus I
<input type="checkbox"/>	MATH 232	M	Calculus II