



BIO-PODIATRY

DEPARTMENT OF BIOLOGICAL SCIENCES
AT EASTERN ILLINOIS UNIVERSITY

NAME	
E NUMBER	
CATALOG	

SP21

GENERAL EDUCATION: 30-38 HRS

LANGUAGE: 9 HRS

Course	Hours	Grade	Semester
ENG 1001G Composition & Language	3		
ENG 1002G Composition & Literature	3		
CMN 1310G Intro to Speech	3		

Grade of "C" or better is required

SCIENCE AWARENESS: 7HRS

Completed in major.

MATHEMATICS: 3-5 HRS

Completed in major.

HUMANITIES/FINE ARTS*: 9 HRS

Course	Hours	Grade	Semester
Humanities	3		
Fine Arts	3		
Humanities / Fine Arts	3		

SOCIAL/BEHAVIORAL SCIENCES*: 9 HRS

Course	Hours	Grade	Semester
PSY 1879G Intro to Psychology	3		

SENIOR SEMINAR: 3 HRS

Course	Hours	Grade	Semester
EIU _____	3		

Seminar topic must be outside the major area. See Undergraduate Catalog for Senior Seminars that exclude Biological Sciences majors.

FOREIGN LANGUAGE: 0-8 HRS

EXEMPT? YES NO

Exempt if 2yrs in high school of a single foreign language with average grade of "C" or better.

Course	Hours	Grade	Semester

* One course must meet Cultural Diversity requirement.

SCIENCE CORE: 51-53 HRS

Biology Courses	Hours	Grade	Semester
BIO 1150 Biology Forum	1		
BIO 1500 General Biology I	4		
BIO 1550G* General Biology II	4		
BIO 3120* Molecular & Cell Biology	4		
BIO 3200* Genetics	4		
BIO 2220* Anatomy & Physiology II	4		
BIO 3180* Ecology and Evolution	4		
Physics Courses	Hours	Grade	Semester
PHY 1151G* Principles Physics I	3		
PHY 1152G* Principles Physics I Lab	1		
PHY 1161G* Principles Physics II	3		
PHY 1162G* Principles Physics II Lab	1		

Math Courses	Hours	Grade	Semester
MAT 2110G* Brief Calculus	3		
MAT 2250G* Elementary Statistics	4		
Chemistry Courses	Hours	Grade	Semester
CHM 1310G General Chemistry I	3		
CHM 1315G General Chemistry I Lab	1		
CHM 1410* General Chemistry II	3		
CHM 1415* General Chemistry II Lab	1		
CHM 2440* Organic Chemistry I	3		
CHM 2445* Organic Chemistry I Lab	1		

*Additional prerequisite classes may be required. See Undergraduate Catalog
*BIO 2210 (Anatomy and Physiology I) prerequisite. BIO 2210 counts as BIO elective credit.
#Required by some podiatry schools
^Recommended by some podiatry schools
Additional Recommendations: CPR Certification, Medical Terminology
Departmental Exit Interview is also required prior to leaving EIU.

MAJOR ELECTIVES: 21 HRS

21 hours of course work in Biological Sciences (with the exception of BIO 3400, workshops, and courses designed for General Education) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and CHM 2310). A minimum of 15 hrs must be taken in Biological Sciences.

Course	Hours	Grade	Semester
BIO 2210 Anatomy and Physiology I	4		
BIO 3300 General Microbiology	4		
CHM 2840 Organic Chemistry II	3		
CHM 2845 Organic Chemistry II Lab	1		
BIO 3210 [^] Immunology (Spring Only)	4		
BIO 3622 [^] Embryology	4		
BIO 3624 [^] Histology	3		

- BIO 2210 (4) Anatomy and Physiology I
- BIO 3210 (4) Immunology
- BIO 3300 (4) General Microbiology
- BIO 3312 (3) Horticulture
- BIO 3322 (3) Dendrology
- BIO 3450 (1-3) Independent Study
- BIO 3451 (1-3) Undergraduate Research
- BIO 3610 (3) Survey of Algae & Fungi
- BIO 3612 (3) Plant Evolution & Diversity
- BIO 3620 (4) Funct. Comp. Anatomy
- BIO 3622 (4) Embryology
- BIO 3624 (3) Histology
- BIO 3628 (4) Evolutionary Medicine
- BIO 3690 (4) Clinical Rotation
- BIO 3700 (4) Parasitology
- BIO 3710 (3) Plant-Animal Interactions
- BIO 3720 (4) Entomology
- BIO 3740 (3) Clinical Mycology
- BIO 3810 (3) Freshwater Ecology
- BIO 3850 (3) Environmental Biology
- BIO 3888G (3) Tropical/Marine Ecology
- BIO 3950 (3) Vertebrate Natural History
- BIO 3952 (3) Invertebrate Natural History
- BIO 3960 (1-4) Special Topics
- BIO 4400 (1) Teaching in the Lab
- BIO 4751 (3) Adv. Molec. & Cell Biol.
- BIO 4800 (2) Research Techniques
- BIO 4810 (4) Plant Ecology
- BIO 4812 (3) Fisheries Ecology & Mgmt
- BIO 4814 (3) Conservation Biology
- BIO 4816 (3) Biotic Communities
- BIO 4818 (4) Environmental Microbiology
- BIO 4820 (4) Spatial Analysis for Environmental Sciences
- BIO 4830 (3) Comp. Vertebrate Physiology
- BIO 4832 (4) Animal Behavior
- BIO 4833 (4) Neurobiology of Diseases
- BIO 4834 (3) Neurobiology
- BIO 4835 (3) Advanced Neurobiology
- BIO 4836 (4) Pathogenic Microbiology
- BIO 4892 (4) Intro. Paleobotany
- BIO 4914 (3) Plant Anatomy
- BIO 4920 (3) Medicinal Plants
- BIO 4940 (3) Phycology
- BIO 4942 (3) Mycology
- BIO 4944 (3) Lichens
- BIO 4946 (3) Bryology
- BIO 4948 (3) Plant Taxonomy
- BIO 4950 (3) Ichthyology
- BIO 4952 (3) Herpetology
- BIO 4954 (3) Ornithology
- BIO 4956 (3) Mammalogy
- BIO 4960 (3) Wetland & Aqua. Vasc. Plants
- BIO 4984 (3) Organic Evolution

Courses numbered 5000-5499 inclusive, may be taken by a senior whose graduation requirements average 2.75 or higher, with the permission of the instructor and the Dean of the Graduate School.

BE PREPARED: UPDATE THIS FORM BEFORE MEETING WITH YOUR ADVISOR

A Doctor of Podiatric Medicine (DPM), known also as a podiatric physician or surgeon, is qualified by their education and training to diagnose and treat conditions affecting the foot, ankle and related structures of the leg. When treating patients, this system is also known as the lower extremity. Podiatric physicians are uniquely qualified among medical professionals to treat the lower extremity based on their education, training and expertise. Podiatrists are defined as physicians by the federal government.

To enter a podiatric medical school, one must first complete a minimum of three years or 90 semester hours of college credit at an accredited institution. Over 97% of the students who enter podiatric medical school have a bachelor's degree.

Minimum semester credit hour requirements for all nine US schools and colleges of podiatric medicine include 8 hours each in biology, general/inorganic chemistry, organic chemistry and physics. However, each school has different recommended courses so **it is important to review the recommended courses for each school and identify which program you wish to apply and plan accordingly.**

On average students should maintain a grade point average near 3.40/4.00 or higher, demonstrate leadership skills, expose yourself to the world of podiatry, and perform well on the Medical Admission Test (MCAT).

WHAT MAKES YOU UNIQUE FROM OTHER APPLICANTS?

Podiatric Experience

- Volunteer or work experience with a specialist is beneficial.
- Diversification of practice is advantageous, if possible: private practice, hospital, surgeon, etc.

Leadership Experience

Podiatrists are leaders in their communities and demonstrated leadership skills are a must. Campus, church and community organizations provide excellent leadership opportunities.

RESOURCES:

American Association of Colleges of Podiatric Medicine
www.aacpm.org/colleges/

Dr. William M Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine www.rosalindfranklin.edu

SAMPLE COURSE SEQUENCE:

The suggested sequence assumes that the foreign language requirement has been completed.

FRESHMAN	
FALL	SPRING
ENG 1001G BIO 1500 CHM 1310G/1315G BIO 1150 PSY 1879G	ENG 1002G BIO 1550G CHM 1410G/1415G Gen Ed Elective MAT Prereq or Stats
SOPHOMORE	
FALL	SPRING
BIO 3120 CHM 2440/2445 MAT 2110G Gen Ed Elective	BIO 3200 CHM 2840/2845 BIO 2210 Gen Ed Elective
JUNIOR	
FALL	SPRING
BIO 2220 PHY 1151G/1152G (Fall ONLY) CHM 3450 (Fall ONLY) BIO Elective >3000 MCAT Prep	BIO 4750 OR MAT 2250G (if not taken in FRESHMAN SPR) PHY 1161/1162 (Spring ONLY) BIO Elective >3000 CMN 1310G MCAT Exam/Apply to Podiatry School
SENIOR	
FALL	SPRING
EIU 4***G BIO Elective >3000 Gen Ed Elective Free Elective Podiatry School Admission Interviews	BIO 3180 BIO Elective >3000 Gen Ed Elective Free Elective Exit Interview