



NAME	
E NUMBER	
CATALOG	

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	3		

SOCIAL/BEHAVIORAL SCIENCES*: 9 HRS

Course	Hours	Grade	Semester
PSY 1879G Intro to Psychology	3		
PHI 2500G` Intro to Ethics (suggested)	3		
	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 physician assistant schools
 ^Recommended by some physician assistant schools
 Additional Requirements: 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 3450* Biochemistry	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.

Physician Assistants (PAs) are medical professionals who diagnose illness, develop and manage treatment plans, prescribe medications, and often serve as a patient's principal healthcare provider. With thousands of hours of medical training, PAs are versatile and collaborative.

PAs practice in every state and in every medical setting and specialty, improving healthcare access and quality. Scroll down to learn more about the PA profession and its commitment to improving and expanding health care.

PAs are educated at the master's degree level. There are more than 250 PA programs in the country and admission is highly competitive, requiring a bachelor's degree and completion of courses in basic and behavioral sciences as prerequisites. Incoming PA students bring with them an average of more than 3,000 hours of direct patient contact experience, having worked as paramedics, athletic trainers, or medical assistants, for example. PA programs are approximately 27 months (three academic years), and include classroom instruction and more than 2,000 hours. PAs are educated at the master's degree level. There are more than 250 PA programs in the country and admission is highly competitive, requiring a bachelor's degree and completion of courses in basic and behavioral sciences as prerequisites. Incoming PA students bring with them an average of more than 3,000 hours of direct patient contact experience, having worked as paramedics, athletic trainers, or medical assistants, for example. PA programs are approximately 27 months (three academic years), and include classroom instruction and more than 2,000 hours of clinical rotations. Some programs may require the GRE or MCAT for admission. The average GPA of matriculants is 3.5/4.0. Attributes such as demonstrated caring attitude toward others, communication skills, emotional stability under stress and problem solving ability are important selection factors.

Each PA program has different requirements. It is very important to identify early which programs you plan to apply and plot out their requirements accordingly.

WHAT MAKES YOU UNIQUE FROM OTHER APPLICANTS?

Healthcare Experience: Needs to be hands-on, Hours/Months of experience often specified by particular programs

- *Volunteer or work: hospitals, clinics, nursing homes, assisted living centers, crisis nursery, rehab centers are a few examples. Working in an ER, ambulance rides are excellent opportunities.*
- *Certified Nurses' Aide/EMT*
- *Military medic/Corpsman, Surgical Technician, Radiological Technician, Certified Laboratory Technician, Certified Pharmacy Technician, Phlebotomist, Athletic Trainer, Certified Physical Therapy Assistant*
- *Shadow physicians assistants, visit schools etc....*

Leadership Experience

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

RESOURCES:

Association of Physician Assistant Programs

www.aapa.org

Physician Assistant Education Association

www.paeaonline.org

Midwestern University

www.midwestern.edu/x477.xml

Northwestern University

www.familymedicine.northwestern.edu/pa_program/

Rosalind Franklin University

www.rosalindfranklin.edu/Default.aspx

Rush University

www.rushu.rush.edu/pa-program

Southern Illinois University

www.siued.edu/paprogram/

Dominican University

www.dom.edu/admission/graduate/health-sciences-programs/mmmpas

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 PHI 2500G 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 GRE [®] or MCAT Prep	BIO 4750 OR MAT 2250G (if not taken in FRESHMAN SPR) PHY 1161/1162 BIO Elective >3000 CMN 1310G GRE [®] or MCAT Exam/Apply to PA School
SENIOR	
FALL	SPRING
EIU 4*** BIO Elective >3000 Gen Ed Elective Free Elective PA School Admission Interviews	BIO 3180 BIO Elective >3000 Gen Ed Elective Free Elective Exit Interview