

PRE-MEDICINE

The field of medicine is a noble area of study – and very broad. Choose a career in medicine, and you’re in for a lifetime of service to a broad population – a challenging yet rewarding occupation. Quality medical attention is essential to everyone at some point, whether it be due to injury, surgery, pregnancy, therapy, or sickness. You could be the one to provide care or even save someone’s life one day. To begin your journey toward a medical degree, you’ll start with a bachelor’s degree here at Wayne State College. The Pre-Medicine program at Wayne State is not an academic major, but instead a pathway to help you reach your goal of getting into medical school. The recommended undergraduate studies for Pre-Medicine include Health Sciences or Biology. Our Pre-Med program provides the coursework, advising, and guidance needed to submit an application to the medical school of your choice.

fast facts

Recommended majors:

Life Sciences/Biology (B.A. or B.S.)
Chemistry/Health Sciences (B.A. or B.S.)

Department: Physical Sciences and Mathematics, Life Sciences

School: Science, Health, and Criminal Justice

Suggested minors: Chemistry, Psychology, Public and Global Health, Spanish,

focus on results

Skills Learned

- Critical thinking
- Scientific reasoning
- Data collection/analysis
- Scientific/clinical research interpretation
- Applied mathematics
- Applied biology and chemistry lab skills
- Molecular biology

Possible Careers

- Medical Doctor
- Surgeon
- General practitioner
- Pediatrician
- Oncologist
- Surgical technologist
- Anesthesiologist
- Pathologist
- Pharmacist
- Medical lab technician
- Genetic scientist

Types of Employers

- Private practices
- Surgical centers
- Pediatric clinics
- Hospitals and medical clinics
- Medical research facilities
- Pharmacies
- Surgical centers
- Schools, colleges, and universities
- Pharmaceutical companies
- Government / federal agencies
- Non-profit organizations

outside the classroom



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Activities/Opportunities

- Peer mentoring and tutoring
- Rural Health Opportunities Program (RHOP)
- Service-Learning
- Study Abroad

Clubs/Organizations

- Biology Club
- Exercise is Medicine on Campus (EIM-OC)
- Health Science Club
- Physician Assistant Club

The following information is provided to guide you in the pre-professional program described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for choosing a major and registering for courses, please consult the current academic catalog and your advisor.

Suggested majors for Pre-Medicine

The following majors are recommended for students planning to attend medical school. Additional electives may be recommended. Participation in the Pre-Medicine program at WSC does not guarantee acceptance to a school of medicine.

Life Sciences/Biology (B.A. or B.S.) — Our Biology program lays the groundwork needed for students entering medical school and provides plenty of time in our biology and research labs.

Chemistry/Health Sciences (B.A. or B.S.) — The Health Sciences program offers a solid foundation in biology and chemistry, and emphasizes how these fields relate to careers in health and medicine.

Sample courses

Students may be advised to take the following courses while pursuing one of the recommended majors. Please consult with your advisor to draft a final plan of study, and be sure to check with your intended medical school to make sure you're meeting all prerequisite course requirements.

BIO 320 Molecular Genetics.....	4
BIO 330 Histology.....	3
BIO 336 Cancer Biology.....	3
BIO 340 Human Physiology.....	4
BIO 385 Microbiology.....	4
BIO 430 Parasitology.....	3
BIO 434 Advanced Cellular Biology.....	3
BIO 443 Advanced Human Anatomy.....	3
BIO 486 Immunology.....	3
CHE 326 Biochemistry I.....	4
CHE 426 Biochemistry II.....	3
HSC 345 CPR-Healthcare Provider.....	1

department faculty



Visit www.wsc.edu/life-sciences-department to learn more about the Department of Life Sciences.

Visit www.wsc.edu/physical-sciences-mathematics-department to learn more about the Department Physical Sciences and Mathematics.

Doug Christensen, Ph.D.
Life Sciences Department Chair
Carhart Science 207G
402-375-7345
dochris1@wsc.edu

Al Mitchell, Ph.D.
Physical Sciences and Mathematics Department Chair
Carhart Science 107B
402-375-7334
almitch1@wsc.edu

