

# PRE-OSTEOPATHIC MEDICINE

Osteopathic medicine focuses on diagnoses of disease and illness and evaluation of injury. It uses drugs, surgery, and modern technology for treatment. Osteopathic doctors work in hospitals, clinics, research labs, and pharmaceutical companies. You'll need a bachelor's degree to start your path toward an osteopathic medical degree, which you'll get at Wayne State. Recommended programs include the Biology or Chemistry/Health Sciences degree tracks to receive a solid foundation in the life or physical sciences. After graduating from WSC, you'll be ready to move on to coursework at a professional osteopathic medical school.

## fast facts

### Recommended majors:

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

**Departments:** Life Sciences, Physical Sciences and Mathematics

**School:** Science, Health, and Criminal Justice

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

**Partnership with KCU:** WSC has a 3+1 partnership with Kansas City University (KCU), allowing students to pursue their bachelor's degree at WSC while also working toward their D.O. degree at KCU.

## 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

- Osteopathic physician
- Family physician
- Primary care physician
- Regenerative medicine specialist
- General surgeon
- Rehabilitation physician
- Intervention radiologist
- Diagnostic medical specialist
- Internal medicine specialist
- Family practice director
- Clinical professor

### Types of Employers

- Private practices
- Hospitals and medical clinics
- Surgical centers
- Research labs
- Government organizations
- Non-profit organizations
- Medical research facilities
- Diagnostic medical centers
- Pharmaceutical companies
- Rehabilitation centers
- Schools, colleges, and universities

## outside the classroom



Visit [www.wsc.edu/clubs](http://www.wsc.edu/clubs) to learn more about clubs and organizations on campus.

### Activities/Opportunities

- Peer mentoring and tutoring
- Service-Learning
- Study Abroad

### Clubs/Organizations

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

The following majors are recommended for students planning to attend osteopathic medical school. Additional electives may be recommended. Participation in the Pre-Osteopathic 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 major offers a solid foundation in biology and chemistry, and emphasizes how these fields relate to careers in health and medicine.

## D.O. degree partnership with Kansas City University

Wayne State has a 3+1 partnership with Kansas City University (KCU), allowing students to pursue their bachelor's degree in either Biology or Chemistry/Health Sciences at Wayne State while also working toward their D.O. degree at KCU. You'll spend your first three years at WSC and transfer into the Osteopathic Medicine program at KCU to complete your final year of undergraduate studies. Your year at KCU also counts as your first year of medical school, so you can earn your bachelor's degree and Doctor of Osteopathic Medicine (D.O.) degree in seven years instead of eight.

## 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
HSC 345 CPR-Healthcare Provider.....	1

## department faculty



Visit [www.wsc.edu/life-sciences-department](http://www.wsc.edu/life-sciences-department) to learn more about the Department of Life Sciences.

Visit [www.wsc.edu/physical-sciences-mathematics-department](http://www.wsc.edu/physical-sciences-mathematics-department) to learn more about the Department Physical Sciences and Mathematics.

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