**Pre-Medical Guide**

*Course Requirements for Michigan Medical Schools*

This document is a GUIDE only. Students must consult with a pre-health advisor AND the appropriate medical schools on a regular basis for revisions to prerequisites and to ensure completion of all application requirements. **Each professional school has their own policy on whether they accept credit from Advanced Placement and Community Colleges. Students must contact individual schools to verify their requirements.**

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| **Requirements** | **Central Michigan University** | **MSU College of**  **Human Medicine** | **MSU College of Osteopathic Medicine** | **Oakland University** | **University of Michigan** | **Wayne State University** | **Western Michigan University** |
| **Biochemistry** |  | 1 semester | *See Chemistry section* | 1 course |  |  |  |
| **Biological Science** | 2 semesters & 2 labs (can include Anatomy, Biology, Genetics, Physiology, & Microbiology) | 1 year with lab | 8 credits  *(AP not accepted)* | 1 lab in biology, chemistry, or physics |  | 2 semesters of general biology (i.e. BS 161 & BS 162) with at least 1 lab. |  |
| **Chemistry** |  | 1 year with lab | 16 credits of inorganic & organic chemistry  *(including BMB)* | 1 lab in either biology, chemistry, or physics |  | 2 semesters, 1 with lab |  |
| **Organic Chemistry** | (2 semesters & 1 lab) ***OR***  (1 semester orgo & 1 semester biochem & 1 lab) | 1 year with lab |  | 2 semesters, 1 with lab |  |
| **Math/**  **Statistics** |  | MTH 103 or higher or statistics |  | 1 statistics course |  |  |  |
| **Physics** |  | 1 year with lab |  | 1 lab in biology, chemistry, or physics |  | 2 semesters |  |
| **English** |  |  | 6 credits  *(WRA + Tier II Writing Course)* |  |  | 1 semester of English/writing |  |
| **Non-Science Courses** |  | 1 semester of anthropology, economics, history, political science, psychology, or sociology |  | 1 course in social or behavioral sciences |  |  |  |
| **Additional Science** |  | 1 semester 300-400 level coursework in biological science  *(see website for examples)* |  | 24 credits with breadth & depth of science & math. BMB, STT, and science lab are included in the 24 credits. |  |  |  |

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| **Additional Information** | **Central Michigan University** | **MSU College of**  **Human Medicine** | **MSU College of Osteopathic Medicine** | **Oakland University** | **University of Michigan** | **Wayne State University** | **Western Michigan University** |
| **Recommended Courses** | Biochemistry, Genetics, Social Sciences, Human Anatomy, Human Physiology, Physics |  | Strongly encouraged to complete additional courses in senior level biological sciences such as genetics, anatomy, physiology, histology, microbiology, immunology & neurobiology. |  | Competency-based admissions requirements.  See website for more detailed information. | Biochemistry, statistics, medical ethics, mathematics, social science, upper level biology and additional labs | No specific prereqs. For more detailed information, see website.  **Recommended courses:** Biochemistry, genetics, human anatomy, human physiology, and statistics |
| **Experience** | Your application must include documented hours of personal experiences and include activities that demonstrate your preprofessional preparation for medical school. The AMCAS application will allow you to discuss up to 15 work and experience activities. |  |  |  |  |  |  |
| **Competitive MCAT** | 509 | 508 | 507 | 510 | 517 | 511 | 516 |
| **Website** | <https://www.cmich.edu/colleges/med/Pages/default.aspx> | <http://humanmedicine.msu.edu/default.htm> | <https://com.msu.edu/> | [www.oakland.edu/medicine](http://www.oakland.edu/medicine) | <https://medicine.umich.edu/medschool/home> | [www.med.wayne.edu](http://www.med.wayne.edu) | [www.med.wmich.edu](http://www.med.wmich.edu) |

**Additional Resources:**

* MSU Pre-Health: <https://prehealth.natsci.msu.edu/>
* Explore Health Careers: [www.explorehealthcareers.org](http://www.explorehealthcareers.org)
* Allopathic (MD) Resources
  + Resources for MD Pre-Medical Students: [www.aamc.org/students](http://www.aamc.org/students)
  + Medical School Admission Requirements (MSAR): [www.aamc.org/msar](http://www.aamc.org/msar)
  + American Medical College Application Service (AMCAS): [www.aamc.org/students/amcas](http://www.aamc.org/students/amcas)
* Osteopathic (DO) Resources
  + Resources for DO Pre-Medical Students: [www.aacom.org/InfoFor/applicants](http://www.aacom.org/InfoFor/applicants)
  + Choose DO Explorer: <https://choosedo.org/>
  + American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS): <https://help.liaisonedu.com/AACOMAS_Applicant_Help_Center>

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