

### Pre-Admission Courses

To be considered for admission, all of the following pre-admission courses must be completed by the appropriate deadlines and meet all associated requirements as outlined on the program website (emich.edu/pa).

1. Human Anatomy
2. Human Physiology
3. General Chemistry with Lab
4. Organic Chemistry with Lab or Biochemistry with Lab
5. Microbiology with Lab
6. Lifespan Psychology
7. Statistics

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## **Pre-Admission Course Checklist – University of Michigan-Ann Arbor\***

### **Human Anatomy & Human Physiology**

**one of the following:**

- NURS 210: Human Anatomy & Physiology Body with Lab (6 hrs)
- NURSING 210: Structure and Function of the Human Body (6 hrs)
- ANATOMY 303: Introduction to Human Anatomy (3 hrs) **and one of the following:**
  - BIOLOGY 225: Principles of Human and Animal Physiology (3 hrs)
  - EHS 513: Pathological Basis of Disease (3 hrs)
  - PHYSIOL 201: Human Physiology (4 hrs)
  - PHYSIOL 301: Human Physiology I (4 hrs) **and** PHYSIOL 302: Human Physiology II (4 hrs)
  - PHYSIOL 502: Human Physiology (4 hrs)
- ANATOMY 403: Human Anatomy: Structure 7 Function (5 hrs) **and one of the following:**
  - BIOLOGY 225: Principles of Human and Animal Physiology (3 hrs)
  - EHS 513: Pathological Basis of Disease (3 hrs)
  - PHYSIOL 201: Human Physiology (4 hrs)
  - PHYSIOL 301: Human Physiology I (4 hrs) **and** PHYSIOL 302: Human Physiology II (4 hrs)
  - PHYSIOL 502: Human Physiology (4 hrs)

### **General Chemistry Lecture**

**one of the following:**

- CHEM 130: General Chemistry: Macroscopic Investigations & Reaction Principles (3 hrs) **and** lab (see below)
- CHEM 230: Physical Chemical Principles & Applications (3 hrs) **and** lab (see below)
- CHEM 245: Biomedical Analytical Chemistry Lecture (2 hrs) **and** lab (see below)
- CHEM 260: Chemical Principles (3 hrs) – lab included

## General Chemistry Lab

one of the following:

- CHEM 125: General Chemistry Lab I (1 hr) **and** lecture (see above)
- CHEM 126: General Chemistry Lab II (1 hr) **and** lecture (see above)
- CHEM 242: Introduction to Chemical Analysis Lab (2 hrs) **and** lecture (see above)
- CHEM 246: Biomedical Analytical Chemistry Laboratory I (1 hr) **and** lecture (see above)
- CHEM 247: Biomedical Analytical Chemistry Laboratory II (1 hr) **and** lecture (see above)

## Organic or Biochemistry Lecture

one of the following:

- BIOL 311: Intro to Biochemistry (4 hrs) – lab included
- BIOLCHEM 212: Descriptive Biochemistry (4 hrs) **and** lab (see below)
- BIOLCHEM 415: Introductory Biochemistry (3 hrs) **and** lab (see below)
- CHEM 210: Structure and Reactivity I (4 hrs) **and** lab (see below)
- CHEM 215: Structure and Reactivity II (3 hrs) **and** lab (see below)
- MCDB 310: Introductory Biochemistry (3 hrs) **and** lab (see below)

## Organic or Biochemistry Lab

one of the following:

- BIOLCHEM 416: Introductory Biochemistry Lab (3 hrs) **and** lecture (see above)
- CHEM 211: Investigations in Chemistry (1 hr) **and** lecture (see above)
- CHEM 216: Synthesis & Characterization of Organic Compounds (2 hrs) **and** lecture (see above)
- CHEM 352: Intro to Biochemical Research Techniques (2 hrs) **and** lecture (see above)

## Microbiology with Lab

one of the following:

- BIOLOGY 207: Intro Micro (4 hrs) – lab included
- MICROBIOL 301: Intro to Microbiology (3 hrs) **and** MICRBIOL 350: Intro Lab: Med Microbiology (1 hr)
- MICROBIOL 302: Medical Microbiology (3 hrs) **and** MICRBIOL 350: Intro Lab: Med Microbiology (1 hr)
- MICROBIOL 405: Medical Microbiology and Infectious Diseases (3 hrs) **and** MICRBIOL 350: Intro Lab: Med Microbiology (1 hr)

## Lifespan Psychology

- PSYCH 250: Intro to Developmental Psychology (4 hrs)

## Statistics

one of the following:

- BIOSTAT 521: Applied Biostatistics (4 hrs)
- BIOSTAT 522: Biostatistical Analysis for Health-Related Studies (3 hrs)
- BIOSTAT 523: Statistical Methods in Epidemiology (4 hrs)
- BIOSTAT 553: Applied Biostatistics (4 hrs)

- BIostat 560: Statistical Methods in Epidemiology (4 hrs)
- MOVESCI 250: Statistics (3 hrs)
- NURSING 218: Applied Statistics (3 hrs)
- SOC 210: Elementary Statistics (4 hrs)
- STATISTICS 425: Introduction to Probability (3 hrs)
- STATS 150: Making Sense of Data (3 hrs)
- STATS 250: Intro to Statistics & Data Analysis (4 hrs)
- STATS 280: Honors Introduction to Statistics and Data Analysis (4 hrs)
- STATS 350: Intro to Statistics & Data Analysis (4 hrs)

*\*Please note that this checklist applies exclusively to the pre-admission requirements of the EMU PA Program and is not to be used as a university course equivalency guide. If you have questions other courses from the University of Michigan-Ann Arbor, please contact us at [chhs\\_paprogram@emich.edu](mailto:chhs_paprogram@emich.edu).*

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