

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

Pre-Admission Course Checklist – Michigan State University*

Human Anatomy

one of the following:

- ANTR 350: Human Gross Anatomy for Pre-Health Professionals (3 hrs)
- KIN 216: Applied Human Anatomy (3 hrs)

Human Physiology

one of the following:

- PSL 250: Introductory Physiology (4 hrs)
- PSL 310: Physiology for Pre-Health Professionals (4 hrs)
- PSL 431: Human Physiology I (3 hrs) **and** PSL 432: Human Physiology II (3 hrs)
- PSL 450: Physiology in Health and Disease (3 hrs)

General Chemistry Lecture

one of the following:

- CEM 141: General Chemistry (4 hrs) **and** lab (see below)
- CEM 142: General and Inorganic Chemistry (3 hrs) **and** lab (see below)
- CEM 151: General and Descriptive Chemistry (4 hrs) **and** lab (see below)
- CEM 152: Principles of Chemistry (3 hrs) **and** lab (see below)
- CEM 383: Introductory Physical Chemistry I (3 hrs) **and** lab (see below)
- CEM 411: Inorganic Chemistry (4 hrs) **and** lab (see below)
- LB 171: Principles of Chemistry I (4 hrs) **and** lab (see below)
- LB 172: Principles of Chemistry II (3 hrs) **and** lab (see below)

General Chemistry Lab

one of the following:

- CEM 161: Chemistry Lab I (1 hr) **and** lecture (see above)
- CEM 162: Chemistry Laboratory II (1 hr) **and** lecture (see above)
- LB 171L: Introductory Chemistry Laboratory I (1 hr) **and** lecture (see above)
- LB 172L: Principles of Chemistry II - Reactivity Lab (1 hr) **and** lecture (see above)

Organic or Biochemistry Lecture

one of the following:

- BMB 200: Intro to Biochemistry (4 hrs) **and** lab (see below)
- BMB 401: Comprehensive Biochemistry (4 hrs) **and** lab (see below)
- BMB 461: Advanced Biochemistry I (3 hrs) **and** lab (see below)
- CEM 143: Survey of Organic Chemistry (4 hrs) – lab included
- CEM 251: Organic Chemistry I (3 hrs) **and** lab (see below)
- CEM 252: Organic Chemistry II (3 hrs) **and** lab (see below)
- CEM 351: Organic Chemistry I (3 hrs) **and** lab (see below)
- CEM 352: Organic Chemistry II (3 hrs) **and** lab (see below)

Organic or Biochemistry Lab

one of the following:

- BMB 471: Biochemistry Lab (3 hrs) **and** lecture (see above)
- CEM 255: Organic Chemistry Lab (2 hrs) **and** lecture (see above)
- CEM 355: Organic Lab I (2 hrs) **and** lecture (see above)
- CEM 356: Organic Lab II (2 hrs) **and** lecture (see above)

Microbiology Lecture

one of the following:

- MMG 201: Fundamentals of Microbiology (3 hrs) **and** lab (see below)
- MMG 301: Introductory Microbiology (3 hrs) **and** lab (see below)
- BLD/MMG 463: Medical Microbiology (3 hrs) **and** lab (see below)

Microbiology Lab

one of the following:

- MMG 302: Introductory Lab for General and Allied Health Microbiology (1 hr) **and** lecture (see above)
- MMG 464: Diagnostic Microbiology Lab **and** lecture (see above)

Lifespan Psychology

one of the following:

- FCE 225: The Ecology of Life Span Human Development in the Family (3 hrs)
- HDF5 225: Life Span Human Development in the Family (3 hrs)

Statistics

one of the following:

- HM 802: Biostatistics for Public Health (3 hrs)
- PSY 295: Data Analysis in Psychological Research (3 hrs)
- PSY 395: Research Design & Measurement in Psychological Research (3 hrs)
- STT 200: Statistical Methods (3 hrs)
- STT 201: Statistical Methods (3 hrs)
- STT 231: Statistics for Scientists (3 hrs)
- STT 421: Statistics I (3 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 about any other possible EMU PA Program pre-admission courses at Michigan State University, please contact us at chhs_paprogram@emich.edu.*

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