

# Pre-Pharmacy Curriculum Guide 2023-2024\*

Course Requirements for Michigan Pharmacy Schools

Requirements	Ferris State University	University of Michigan	Wayne State University*
<b>Anatomy &amp; Physiology</b>	BIO 337 & 392 <b>or</b> HSC 214 & 215	HSC 214 & HSC 215 <b>or</b> BIO 392	HSC 214 & 215 & 411 <b>or</b> HSC 308 <b>Or</b> BIO 337 & BIO 392 *
<b>Biology</b>	BIO 111 <b>or</b> BIO 112 <b>or</b> BIO 212 (8 hours total)	BIO 111 & BIO 112	BIO 112 <b>or</b> BIO 101
<b>Microbiology</b>	BIO 208*** <b>or</b> BIO 320	BIO 320 <b>or</b> BIO 208***	BIO 208***
<b>Genetics</b>		BIO 211	
<b>Calculus</b>	MTH 132	MTH 132	MTH 132
<b>Chemistry</b>	CHM 131 & 132	CHM 131 & 132	CHM 131 & CHM 132
<b>Organic Chemistry</b>	CHM 345, 346 & 349	CHM 345, 346, 349	CHM 345, 346, & 349
<b>Biochemistry</b>		CHM 520 <b>or</b> CHM 421	CHM 421
<b>Economics</b>	ECO 201 <b>or</b> ECO 202	N/A	N/A
<b>English</b>	ENG 101, ENG 201	ENG 101** <b>or</b> ENG 201	ENG 101
<b>Public Speaking</b>	COM 357	N/A	COM 357 <b>or</b> COM 101
<b>Psych. or Soc.</b>	PSY 100 <b>or</b> SOC 100	N/A	N/A
<b>Statistics</b>	STA 282 <b>or</b> 382 <b>or</b> 392 <b>or</b> BIO 500	STA 282 <b>or</b> BIO 500 <b>or</b> PSY 211	STA 282 <b>or</b> 382 <b>or</b> BIO 500 <b>or</b> PSY 211
<b>Physics</b>		PHY 130QR & 170	PHY 130 & 170
<b>Social Science</b>	9 credits, including a 200 level or higher: ART, ENG Foreign Language, HST, HUM, MUS, TAI	2 semesters	N/A
<b>Humanities</b>		2 semesters	N/A
<b>Class Size</b>	97 students	85 students	95 students
<b>Minimum Pre-Requisite GPA</b>	Min. 2.5 cumulative and min. C in each course	Min. C in each course, competitive overall 3.3 GPA	Min. 2.75 pre-req GPA and min. C in each course.
<b>Average GPA</b>	3.41 Pre-Pharmacy GPA	3.6 Cumulative	3.6 Cumulative
<b>Average PCAT</b>	Not required	Not required, but consider if: -Overall GPA is below 3.0 -Overall grades in science courses are below 3.0 -Science prerequisites were taken 5+ years ago -Grades have trended downward overtime	78 <sup>th</sup> Percentile Preferred 50 <sup>th</sup> Percentile *Conditionally required
<b>AP &amp; CLEP</b>	Accepts AP & CLEP credit	Varies by class	Accepts AP & CLEP credit

\*Wayne State has additional course requirements for students who will not be completing a bachelor's degree. Visit their website for additional information.

\*\* AP Calculus credit is not acceptable for these prerequisites.

\*\*\*BIO 208 will not count towards any Biology major.