



PRE-OPTOMETRY

Pre-Professional Health Sciences Program

REQUIRED COURSES

Course #	Course Description	Credits
BIOL 173	Concepts in Biology	4
BIOL 240	Molecular & Cellular Biology	4
BIOL 205	Introduction to Microbiology	3
OR BIOL 327	Advanced Microbiology	3
BIOL 437	Advanced Human Anatomy	4
BIOL 447	Advanced Human Physiology	4
CHEM 223/224	Gen. Chemistry I and II	8
CHEM 315/316	Org. Chemistry I and II	8
BIOCH 376	Foundational Biochemistry	3
STAT 120	Descriptive Statistics	2
MATH 185	Calculus I	4
STAT 220	Inferential Statistics	2
PHYS 151/253	College Physics I Lecture and University Physics I Lab	4
PHYS 162/263	College Physics II Lecture and University Physics II Lab	4
PSYC 101	General Psychology	3
	Writing	6
	Total credits	63

RECOMMENDED COURSES

Course #	Course Description	Credits
BIOL 215	Organismal Biology	4
BIOL 337	Immunology	3
BIOCH 438	Molecular Genetics	3
	Total credits	10

BE WELL PREPARED AT EMU FOR OPTOMETRY SCHOOL WITH:

- ▶ **Clinical experience/job shadowing**
- ▶ **Faculty mentoring**
- ▶ **Real-world research**
- ▶ **Mock interview**