



# 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
<b>OR</b> 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
MATH 120	Descriptive Statistics	2
MATH 185	Calculus I	4
MATH 220	Inferential Statistics	2
PHYS 252/253	University Physics I	4
PHYS 262/263	University Physics II	4
PSYC 101	General Psychology	3
	Writing	6
<b>Total credits</b>		<b>63</b>

### RECOMMENDED COURSES

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

#### BE WELL PREPARED AT EMU FOR OPTOMETRY SCHOOL WITH:

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