

## PRE-OPTOMETRY PROGRAM for B.S. Degree in Biology

Pre-professional requirements for admission to most schools

- 8 hours of biology or zoology with labs
- genetics
- 8 hours of general chemistry with labs
- 4 hours of organic chemistry with lab
- 4 hours of biochemistry with lab
- 8 hours of physics with labs
- 3 hours of statistics
- 3-6 hours of Psychology
- 3 hours of calculus
- 90 hour minimum in an accredited liberal art and sciences college is required; completion of an college major and undergraduate degree is strongly recommended
- 4 hours of Microbiology

If the student plans on attending a specific school **OR** wants to be sure that all schools are available to them, it is advised that they look at the specific requirements for each school. Refer to the Association of Schools and Colleges of Optometry (ASCO) at <http://www.opted.org/>

### SUGGESTED SCHEDULE

#### FIRST YEAR

Fall	Spring
Bio 50 Biology of Plants <b>or</b> ..... 4 hrs	Bio 50 Biology of Plants <b>or</b> ..... 4 hrs
Bio 60 Biology of Animals	Bio 60 Biology of Animals
Chem 51 Prin. of Chem..... 4 hrs	Chem 120 Organic & Biochem..... 4 hrs
IDS 001 Liberal Arts Seminar ..... 3 hrs	Area Req. <b>or</b> Math 60 or 105 ..... 3-4 hrs
Eng 001 Eng Lang & Writing <b>or</b>	Eng 001 Eng Lang & Writing <b>or</b>
Comm 001 Fund of Speech..... <u>3 hrs</u>	Comm 001 Fund of Speech..... <u>3 hrs</u>
14 hrs	14-15 hrs

#### SECOND YEAR

Bio 160 Cell Biology ..... 4 hrs	Bio 170 Genetics ..... 4 hrs
Chem 121 Organic Chem..... 4 hrs	Chem 122 Inorg. & Anal. Chem. .... 4 hrs
Psychology 001 ..... 3 hrs	Sociology course ..... 3 hrs
Area Req. <b>or</b> Math 60 or 105 ..... <u>5-7 hrs</u>	Area Req. <b>or</b> Math 60 or 105 ..... <u>6 hrs</u>
16-18 hrs	17 hrs

#### THIRD YEAR

Bio 281/282 or Chem 255/258 Biochem .... 4 hrs	Statistics ..... 3-4 hrs
Physics 101 ..... 4 hrs	Bio 200 Bioethics ..... 2 hrs
Area Req. .... 3 hrs	Physics 102 ..... 4 hrs
Electives ..... <u>6 hrs</u>	Area Req. .... <u>7 hrs</u>
17 hrs	16-17 hrs

#### FOURTH YEAR

Bio 269 Microbiology ..... 4 hrs	Bio 244 Dev Bio <b>or</b> 283 Mol Bio ..... 3-4 hrs
Bio 298 <b>or</b> Bio 299 ..... 1 hr	Bio elective ..... 4 hrs
Electives ..... 4-8 hrs	Bio 299 ..... 1 hr
Area Req. .... <u>3 hrs</u>	Area Req. or Electives ..... <u>9 hrs</u>
16-17 hrs	17-18 hrs