

Pre-Optometry Track (Biology Major)

An optometrist is a healthcare professional concerned with eyes and related structures, as well as vision, visual systems, and vision information processing in humans. The Doctor of Optometry (OD) degree requires an undergraduate degree and four additional years of study at a school accredited by the Accreditation Council on Optometric Education.

Suggested Course Sequencing: Recommend 15 – 18 semester hours;
however, attending summer school will reduce semester hours.

Freshman year

| Semester 1 | Cr |
|-------------------------------------|------|
| BIOL 200 General Biology | 4 |
| CHEM 111 General Chemistry I [a] | 5 |
| MATH 231 Calculus I or MATH 129 [b] | 4(3) |
| BIBL 111 Essential Christianity | 3 |
| EXER 101 Lifetime Health Awareness | 1 |
| GSCI 100 University Seminar | 1 |

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| Semester 2 | Cr |
|---|----|
| BIOL 201 Zoology | 4 |
| CHEM 112 General Chemistry II | 5 |
| BIBL 115 Old Testament Literature | 3 |
| CPSC 101 Introduction to Personal Computing | 3 |
| ENGL 111 Composition | 3 |

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Sophomore year

| Semester 1 | Cr |
|-----------------------------------|----|
| BIOL 202 Botany | 4 |
| CHEM 271 Organic Chemistry I | 4 |
| BIBL 116 New Testament Literature | 3 |
| Historical Inquiry Option | 3 |
| Reading and Imagination Option | 3 |

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| Semester 2 | Cr |
|--|----|
| BIOL 335 Microbiology | 4 |
| CHEM 272 Organic Chemistry II | 4 |
| ENGL 341 Technical Writing | 3 |
| MATH 210 Statistics | 3 |
| PSYC 138 Psychology of Healthy Relationships | 3 |

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Junior year

| Semester 1 | Cr |
|---|----|
| BIOL 311 Human A&P I or BIOL Elective | 4 |
| BIOL 342 Ecology or BIOL 343 Env. Biology | 4 |
| CHEM 375 Biochemistry | 4 |
| PHYS 211 General Physics I | 5 |

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| Semester 2 | Cr |
|--|----|
| BIOL 312 Human A&P II or BIOL Elective | 4 |
| BIOL 437 Cell Biology | 3 |
| PHYS 212 General Physics II | 5 |
| ICST 350 Global Connections | 3 |

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Senior year

| Semester 1 | Cr |
|---------------------------------------|----|
| BIOL 338 Genetics | 4 |
| BIOL 496 Senior Seminar | 1 |
| BIOL Elective (recommended) | 4 |
| Artistic Expression Option | 3 |
| Behavioral and Social Sciences Option | 3 |
| BIBL 360-370 Book Study | 3 |

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| Semester 2 | Cr |
|--|----|
| BIOL 341 Marine Biology (if not taking BIOL 342/343) | 4 |
| BIOL Elective (recommended) | 4 |
| FIN 138 Personal Finance | 3 |
| Humanities Option | 3 |
| THEO 320 Pentecost | 3 |

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Total minimum to graduate 124
and must include at least 36 upper division credits

[a] Those not prepared for CHEM 111 should take CHEM 101 - Introduction to Chemistry.

[b] MATH 231 is a prerequisite for many Doctor of Optometry programs. Those not prepared for MATH 231 should take MATH 129 - Precalculus Algebra.

Graduation requires an overall GPA of at least 2.0, and 30 of the 40 final credits must be taken at Evangel.

The listing above only represents a suggested course sequencing as required to graduate with this major. Students are ultimately responsible for their own degree program. An academic advisor is assigned to the student for guidance in these matters, but the responsibility for meeting the requirements belongs to the student.

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University Writing Proficiency and Placement Information

Writing Proficiency earned by . . . circle one: ENGL 111 ACT/SAT/CLT (Score:) AP CLEP IB

ACT English ≥ 26 or SAT Writing/Language (W/L) ≥ 33, CLT Writing/Grammar (W/G) ≥ 32: Student is proficient. Enroll in Effective Communication option. Refer to each term's "Core Options" document for available choices.

If transfer student has ENGL 111 composition only, enroll in a 200-level Effective Communication course.

If transfer student has a 200-level (or above) composition course, check for Speech course. If no Speech listed, enroll in COMM 211.

If transfer student has a 200-level composition course AND a Speech course, he or she is proficient.

If student has no test scores, enroll in ENGL 102.

ACT English = 24-25, SAT W/L 31-32, CLT W/G 30-31: take Writing Step-Up Exam in first semester.

| | | | | |
|---|---|------------------------------------|----|-------------------------------------|
| ACT English 20-23, SAT W/L 28-30, CLT W/G 24-29: ENGL 111 | 3 | Wellness Proficiency | Cr | <input checked="" type="checkbox"/> |
| ACT English 16-19, SAT W/L 23-27, CLT W/G 19-23: ENGL 102 | 2 | EXER 101 Lifetime Health Awareness | 1 | <input type="checkbox"/> |
| ACT English ≤ 15, SAT W/L ≤ 22, CLT W/G ≤ 18: ENGL 100 | 1 | | | |

Core Curriculum Requirements

| | Cr | <input checked="" type="checkbox"/> | | Cr | <input checked="" type="checkbox"/> |
|--|----|-------------------------------------|--|----|-------------------------------------|
| GSCI 100 University Seminar | 1 | <input checked="" type="checkbox"/> | ENGL 341 Technical Writing | 3 | <input type="checkbox"/> |
| BIBL 111 Essential Christianity | 3 | <input checked="" type="checkbox"/> | MATH 210 Statistics | 3 | <input type="checkbox"/> |
| BIBL 115 Old Testament Literature | 3 | <input checked="" type="checkbox"/> | Historical Inquiry Option* | 3 | <input type="checkbox"/> |
| BIBL 116 New Testament Literature | 3 | <input checked="" type="checkbox"/> | Artistic Expression Option* | 3 | <input type="checkbox"/> |
| BIBL 360 - 370 Book Study (WPR)* | 3 | <input checked="" type="checkbox"/> | Behavioral and Social Sciences Option* | 3 | <input type="checkbox"/> |
| THEO 320 Pentecost | 3 | <input checked="" type="checkbox"/> | Humanities Option* | 3 | <input type="checkbox"/> |
| ICST 350 Global Connections* | 3 | <input checked="" type="checkbox"/> | Healthy Relationships: PSYC 138 (Preferred) or 112 | 3 | <input type="checkbox"/> |
| Natural Science without Lab Option* | 3 | NA | Christian Stewardship: FIN 138 Personal Finance | 3 | <input type="checkbox"/> |
| Natural Science with Lab Option* | 4 | NA | Reading and Imagination: ENGL 123* | 3 | <input type="checkbox"/> |
| *Refer to each term's "Core Options" document for available choices. | | | **ENGL/COMM 205 or 341; ENGL 211, 212, or 236 | | |
| WPR = Writing Proficiency Required: ENGL 111 or ACT English ≥ 26 | | | If student has ENGL 201 in transfer, enroll in COMM 211. | | |

Program Requirements

| | Cr | <input checked="" type="checkbox"/> | | Cr | <input checked="" type="checkbox"/> |
|--|----|-------------------------------------|---------------------------------|-----|-------------------------------------|
| BIOL 200 General Biology | 4 | <input checked="" type="checkbox"/> | BIOL Elective | 3 | <input type="checkbox"/> |
| BIOL 201 Zoology | 4 | <input checked="" type="checkbox"/> | CHEM 111 General Chemistry I | 5 | <input type="checkbox"/> |
| BIOL 202 Botany | 4 | <input checked="" type="checkbox"/> | CHEM 112 General Chemistry II | 5 | <input type="checkbox"/> |
| BIOL 335 Microbiology | 4 | <input checked="" type="checkbox"/> | CHEM 271 Organic Chemistry I | 4 | <input type="checkbox"/> |
| BIOL 338 Genetics | 4 | <input checked="" type="checkbox"/> | CHEM 375 Biochemistry | 4 | <input type="checkbox"/> |
| BIOL 341 Marine Biology, BIOL 342 Ecology, or BIOL 343 Env. Biology (choose one) | 4 | <input checked="" type="checkbox"/> | MATH 231 Calculus I or MATH 129 | 3-4 | <input type="checkbox"/> |
| | | | CPSC 101 Personal Computing | 3 | <input type="checkbox"/> |
| BIOL 437 Cell Biology | 3 | <input checked="" type="checkbox"/> | PHYS 211 General Physics I | 5 | <input type="checkbox"/> |
| BIOL 496 Senior Seminar | 1 | <input checked="" type="checkbox"/> | PHYS 212 General Physics II | 5 | <input type="checkbox"/> |

Minimum total credits to graduate 124

BIOL 311 & 312 are highly recommended for those desiring to pursue a medical career. CHEM 272 also is highly recommended and will complete the chemistry minor.

*Refer to each term's advising handbook for options

WPR = Writing Proficiency Required

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