

## Pre-Optometry Pathway Checklist

| EOU Course                  | Course Title                               | Credits | Prerequisite(s)   |
|-----------------------------|--|---------|---|
| BIOL 231 + Lab              | Human Anatomy & Physiology 1               | 4       | MATH 072 (or placement score)                             |
| BIOL 232 + Lab              | Human Anatomy & Physiology 2               | 4       | BIOL 231  |
| BIOL 233 + Lab              | Human Anatomy & Physiology 3               | 4       | BIOL 232  |
| BIOL 323 + Lab (BIOL 323L)  | General Microbiology                       | 4       | BIOL 221Z - 223Z  |
| CHEM 221Z + Lab (CHEM 227Z) | General Chemistry 1                        | 5       | MATH 111Z (or placement score); can be taken concurrently |
| CHEM 222Z + Lab (CHEM 228Z) | General Chemistry 2                        | 5       | CHEM 221Z; MATH 112Z co-requisite recommended             |
| CHEM 223Z + Lab (CHEM 229Z) | General Chemistry 3                        | 5       | CHEM 222Z   |
| CHEM 334                    | Organic Chemistry 1                        | 4       | CHEM 222Z   |
| CHEM 335                    | Organic Chemistry 2                        | 4       | CHEM 334  |
| CHEM 336                    | Organic Chemistry 3                        | 4       | CHEM 335  |
| CHEM 338                    | Organic Chemistry Lab 1                    | 1       | CHEM 334  |
| CHEM 339                    | Organic Chemistry Lab 2                    | 1       | CHEM 335 & 338  |
| CHEM 450 & 454              | Structural Biochemistry & Biochemistry Lab | 4/2     | CHEM 336  |
| CHEM 451                    | Metabolic Biochemistry                     | 4       | CHEM 450  |
| MATH 241 or 251Z            | Survey Calculus or Calculus 1              | 4       | MATH 111Z / MATH 112Z (or placement score)                |
| PHYS 201 + Lab (PHYS 201L)  | General Physics 1                          | 4       | MATH 112Z (or placement score)                            |
| PHYS 202 + Lab (PHYS 202L)  | General Physics 2                          | 4       | PHYS 201  |
| PHYS 203 + Lab (PHYS 203L)  | General Physics 3                          | 4       | PHYS 202  |
| PSY 201Z                    | General Psychology 1                       | 4       |   |
| STAT 327 or 352             | Stat & Experimental Design or Statistics   | 5/4     | MATH 111Z / STAT243Z & MATH 111Z (or placement score)     |
| WR 122Z                     | Composition 2                              | 4       | WR 121Z   |

*Updated 8.2025*

\*Indicates courses that are not required by all Optometry programs, but highly recommended.

A full curriculum of pre-professional courses is offered at Eastern Oregon University for those seeking admission to a school of optometry to complete a Doctor of Optometry (O.D.) degree. Typically, students will complete one of the science degrees, but other degrees are accepted by professional optometry schools. Prerequisite coursework serves as preparation for the Optometry Admission Test (OAT) required for applicants seeking admission to optometry schools. Some optometry schools require observation experience under the supervision of an optometrist. Students are strongly encouraged to work closely with their advisor when selecting appropriate coursework.