

# Pre-Optometry Recommended Courses



Idaho State  
University

*This is a recommended course list. Check individual programs for additional requirements.*

## English Composition

**ENGL 1101 Writing and Rhetoric I: 3 credits.**

## General Biology (One year with labs)

**BIOL 1101 and BIOL 1101L Biology I and Lab: 4 credits.**

PREREQ: MATH 1108. COREQ: BIOL 1101L.

**BIOL 1102 and BIOL 1102L Biology II and Lab: 4 credits.**

PREREQ: BIOL 1101. COREQ: BIOL 1102L.

## Precalculus

**MATH 1147 College Algebra and Trigonometry: 5 credits.**

PREREQ: MATH 1108.

## General Chemistry (One year with labs)

**CHEM 1111 and CHEM 1111L General Chemistry I and Lab: 5 credits.**

PREREQ: MATH 1143 or MATH 1147 or equivalent.

**CHEM 1112 and CHEM 1112L General Chemistry II and Lab: 4 credits.**

PREREQ: CHEM 1111 and CHEM 1111L or equivalent and MATH 1143 or MATH 1147 or equivalent.

## General Physics (One year with labs)

**PHYS 1111 and PHYS 1113 General Physics I and Lab: 4 credits.**

PREREQ: MATH 1143 or MATH 1147 or equivalent.

**PHYS 1112 and PHYS 1114 General Physics II and Lab: 4 credits.**

PREREQ: PHYS 1111 or equivalent and MATH 1143 or MATH 1147 or equivalent.

## Calculus

**MATH 1160 Survey of Calculus: 3 credits.**

PREREQ: MATH 1143 or MATH 1147.

OR

**MATH 1170 Calculus I: 4 credits.**

PREREQ: MATH 1144 or MATH 1147.

### Pre-Health Professions Advising Office

(208) 282-2172 | [hlthprof@isu.edu](mailto:hlthprof@isu.edu) | [isu.edu/hpac](http://isu.edu/hpac)

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## Microbiology with lab

**BIOL 2221 and BIOL 2221L Introductory Microbiology and Lab: 4 credits.**

PREREQ: CHEM 1101, or CHEM 1111 and CHEM 1111L; BIOL 1101, or BIOL 2227 and BIOL 2227L. COREQ: BIOL 2221L  
OR

**BIOL 2235 and BIOL 2235L General Microbiology and Lab: 4 credits.**

PREREQ: BIOL 1101, BIOL 1102, and CHEM 1112. COREQ: BIOL 2235L.

## Organic Chemistry (One year with labs)

**CHEM 3301 and CHEM 3303 Organic Chemistry I and Lab: 4 credits.**

PREREQ: CHEM 1112 and CHEM 1112L. PREREQ or COREQ: CHEM 3303.

**CHEM 3302 and CHEM 3304 Organic Chemistry II and Lab: 4 credits.**

PREREQ: CHEM 3301. PREREQ or COREQ: CHEM 3304.

## Human Anatomy and Physiology (One year with labs)

**BIOL 3301 and BIOL 3301L Advanced Human Anatomy and Physiology I and Lab: 4 credits.**

PREREQ: BIOL 1101, or BIOL 2227 and BIOL 2227L. PRE-or-COREQ: BIOL 3301L.

**BIOL 3302 and BIOL 3302L Advanced Human Anatomy and Physiology II and Lab: 4 credits.**

PREREQ: BIOL 1101, or BIOL 2227 and BIOL 2227L. PRE-or-COREQ: BIOL 3302L.

## Biochemistry

**BIOL 4432 Biochemistry: 3 credits.**

PREREQ: BIOL 1101 and CHEM 3301.

## Psychology

**PSYC 1101 Introduction to Psychology: 3 credits.**

## Statistics

**MATH 1153 Statistical Reasoning: 3 credits.**

PREREQ: MATH 1108.

## Notes

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