

University of North Georgia

2025-2026 Undergraduate Catalog

Biology (B.S.)

Location(s): [Dahlonega](#), [Gainesville](#)

120 hours

Core IMPACTS - 42 hours

Refer to [Core IMPACTS](#)

Institution: No exceptions

Mathematics: MATH 1113, MATH 1450, or MATH 1501

Citizenship: No exceptions

Humanities: No exceptions

Writing: No exceptions

STEM: CHEM 1211K (or CHEM 1211 /L) and CHEM 1212K (or CHEM 1212/L) lab science sequence required, MATH 1401 recommended

Social Sciences: No exceptions

Field of Study - 18 hours

- [BIOL 1107K - Principles of Biology I](#)
- [BIOL 1108K - Principles of Biology II](#)
- [BIOL 2700 - Sophomore Seminar](#)

Select a Human Anatomy & Physiology or Physics science sequence:

- [BIOL 2251K - Human Anatomy and Physiology I](#) and
- [BIOL 2252K - Human Anatomy and Physiology II](#)

or

- [PHYS 1111K - Introductory Physics I](#)
- (or [PHYS 1111 - Introductory Physics I](#)
- and [PHYS 1111L - Introductory Physics I Lab](#)) and

- [PHYS 1112K - Introductory Physics II](#)
- (or [PHYS 1112 - Introductory Physics II](#)
- and [PHYS 1112L - Introductory Physics II Lab](#))

or

- [PHYS 2211K - Principles of Physics I](#)
- (or [PHYS 2211 - Principles of Physics I](#)
- and [PHYS 2211L - Principles of Physics I Lab](#)) and
- [PHYS 2212K - Principles of Physics II](#)
- (or [PHYS 2212 - Principles of Physics II](#)
- and [PHYS 2212L - Principles of Physics II Lab](#))

Major Requirements - 60 hours

Required Courses - 14 hours

- [BIOL 3220K - Genetics](#)
- [BIOL 3500K - Ecology](#)
- [BIOL 3700 - Junior Seminar](#)
- [BIOL 4450 - Evolutionary Biology](#)

Organismal Courses - 4 hours

Select one of the following:

- [BIOL 3010K - Mycology](#)
- [BIOL 3321K - General Botany](#)
- [BIOL 3325K - Invertebrate Zoology](#)
- [BIOL 3326K - Vertebrate Zoology](#)
- [BIOL 4000K - Entomology](#)
- [BIOL 4020K - Mammalogy](#)
- [BIOL 4080K - Ornithology](#)
- [BIOL 4390K - General Microbiology](#)
- [BIOL 4520K - Herpetology](#)

Systems/Processes Courses - 4 hours

Select one of the following:

- [BIOL 3240K - Cell Biology](#)
- [BIOL 4340K - Plant Physiology](#)
- [BIOL 4350K - Animal Physiology](#)
- [BIOL 4380K - Environmental Microbiology](#)
- [BIOL 4470K - Human Histology](#)
- [BIOL 4480K - Developmental Biology](#)

Experiential Courses - 5-8 hours

No more than 3 credit hours total of BIOL 4800, BIOL 4900, BIOL 4916 can be used in this area.

- [BIOL 3332K - Ecology Field Techniques](#)
- [BIOL 4311 - Botany Field Study](#)
- [BIOL 4312K - Plant and Animal Interactions](#)
- [BIOL 4461 - Marine Biology Field Laboratory](#)
- [BIOL 4540K - Biotechnology](#)
- [BIOL 4600L - Biology Intensive Lab](#)
- [BIOL 4610 - Tropical Reef Ecology](#)
- [BIOL 4620K - Tropical Cloud Forest Ecology](#)
- [BIOL 4800 - Independent Study/Undergraduate Research](#)
- [BIOL 4900 - Internship in Biology](#)
- [BIOL 4916 - Biology Lab Assistant](#)

Guided Electives - 10-13 hours

10-13 upper division credit hours (not used in areas above) from:

- BIOL, CHEM, ENVS
- PSYC by permission of department head

Organic Chemistry

- [CHEM 3441 - Organic Chemistry I](#)
- [CHEM 3441L - Organic Chemistry I Laboratory](#)

Free Electives - 16 hours

- 16 hours of the student's choosing to bring the total number of hours to 120

Notes:

- Field of Study requirements: All biology majors must take: BIOL 1107K and BIOL 1108K and BIOL 2700 (Sophomore seminar). Students may select: A physics sequence (PHYS 1111 /L or 1111K and PHYS 1112/L or 1112K OR PHYS 2211 /L or 2211K and PHYS 2212/L or 2212K) OR human anatomy & physiology sequence (BIOL 2251K and BIOL 2252K)

Other Requirements

- [US and Georgia History Requirements](#)
 - [US and Georgia Constitution Requirements](#)
 - [Regents' Skills Program Requirements](#)
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