

DEPARTMENT OF BIOLOGY

The Department of Biology (<https://www.una.edu/biology/>) offers major programs in biology and marine biology leading to the Bachelor of Arts or Bachelor of Science degree; minors in general biology, cellular and molecular biology, and marine science. Courses and programs applicable to pre-professional curricula in the medical and related health fields; basic coursework applicable to the general education component for all degree programs; and the subject field for secondary education of biology offered through the College of Education and Human Sciences. The department is a member of the Marine Environmental Sciences Consortium.

The professional biology option of the biology major is designed for students who wish to prepare for graduate study or positions in research and technical areas at the baccalaureate level. This option prescribes ancillary coursework in computer science, mathematics, physics and chemistry.

The general biology option is designed for students who wish to prepare for fields requiring a general background in biology. This option requires ancillary coursework in chemistry, computer science, and mathematics.

The environmental biology option is designed for students who wish to prepare for positions requiring a more thorough background in biology, with ancillary work in computer science, chemistry, earth science, and mathematics. Students must choose a block of courses from geography or one of several specified microcredentials. This option should prepare students for positions in natural resource utilization, environmental research, and environmental education; or for graduate work in environmental biology. Students should obtain departmental advisement early in the program.

The cellular and molecular biology option is designed for students who wish to prepare for positions in biotechnology, biochemistry, or medical research at the entry-level or to pursue graduate study in these fields. This option prescribes ancillary coursework in computer science, mathematics, physics and chemistry.

The marine biology major is designed for students who wish to prepare for positions in marine or aquatic biology or who plan graduate study in these fields. The foundational courses for the major are offered on the main campus in Florence, with the specialized courses being taken at Dauphin Island Sea Laboratory. Students interested in this major should consult early with the MESC Liaison at UNA concerning courses, prerequisites, special arrangements, and costs. Requirements include ancillary coursework in computer science, mathematics, physics and chemistry.

In all major programs in biology, elective coursework is determined through advisement, and students are encouraged to take additional hours beyond the minimum major requirements in the field.

Students with majors in biology, marine biology, or biology as a teaching field for education certification are required to take on exit examination for graduation. Courses may require field trips.

Majors

- BA/BS Major in Biology (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/biology/ba-bs/>)

- BA/BS Major in Marine Biology (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/biology/ba-bs-marine/>)

Minors

- Biology Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/biology/minor-biology/>)
- Cellular & Molecular Biology Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/biology/minor-cellular-molecular/>)
- Marine Science Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/biology/minor-marine-science/>)