

Pre- Professional Majors



The following CALS majors include the prerequisite courses for professional schools, such as medicine, dentistry, pharmacy and veterinary medicine.

ANIMAL SCIENCES

ANIMAL BIOLOGY SPECIALIZATION

Many pre-vet students select this major because of the practical experiences offered through laboratory courses.

Courses include:

- Principles of Animal Nutrition
- Reproductive Physiology and Endocrinology
- Growth and Development

BIOLOGY

PRE-PROFESSIONAL SPECIALIZATION

This major develops fundamental knowledge of animals, plants and microorganisms. Life sciences electives allow students to explore their interests.

Courses include:

- Biochemistry and Molecular Biology
- Physiology
- Genetics

ENTOMOLOGY AND NEMATOLOGY

PRE-PROFESSIONAL SPECIALIZATION

These biological sciences majors focus on insects and nematodes while giving students flexibility with electives.

Courses include:

- Ecology
- Vertebrate Biodiversity
- Medical and Veterinary Entomology

MICROBIOLOGY AND CELL SCIENCE

Students gain an understanding of the biological world at the cellular and molecular level.

Courses include:

- Molecular Genetics
- Bacterial and Viral Pathogens
- Biochemistry

NUTRITIONAL SCIENCES

Many pre-health students select this major because it provides a strong background in nutrition that aids any health profession, specifically studying how food impacts human health.

Courses include:

- Nutrition and Disease
- Nutrition Through the Life Cycle
- Nutrition and Metabolism

WILDLIFE ECOLOGY AND CONSERVATION

PRE-PROFESSIONAL SPECIALIZATION

This major applies biological, social, physical and management sciences to wildlife and natural resources.

Courses include:

- Wildlife Ecology and Management
- Genetics
- Conservation Biology

Accelerated Opportunities

MEDICAL HONORS PROGRAM

mhp.med.ufl.edu

Students apply for this highly competitive program in the second semester of their undergraduate study. If selected, students will enter the M.D. program in the fourth year of their undergraduate studies in any major. There are several coursework and GPA requirements for this program, interested students should carefully review the program website to ensure all requirements are met.

HONORS COMBINED BS/DMD PROGRAM

go.ufl.edu/honor-bs-dmd

Students in the BS/DMD program must choose an undergraduate major of microbiology and cell science or nutritional sciences through CALS. Students accepted in this program complete a B.S. degree and a D.M.D. degree in seven years instead of the traditional eight. Selected students complete the majority of the required courses for their undergraduate major in three years and enter the DMD program in their fourth year.

DOCTOR OF PHARMACY/ BACHELOR OF SCIENCE IN BIOLOGY

go.ufl.edu/pharmacy-app

Students can complete prerequisites for admission to the UF College of Pharmacy along with most of the requirements for the biology major in three years. "Students must pursue their undergraduate degree in biology through the College of Agricultural and Life Sciences or the College of Liberal Arts and Sciences. After the first year in the UF PharmD program, students earn their bachelor's degree.

"If you have aspirations to become a healthcare professional, especially a physician, UF CALS is the place to complete your undergraduate studies. The majors provide cohesive coursework to prepare you for your next steps in education and faculty members are poised to educate and prepare the next generation of doctors. What really sets CALS apart is how the college helps you grow as a leader and a person. Even in a large university setting, my professors knew my name and I was cared for as an individual whose aspirations were supported at every turn and who received endless opportunities to get involved in the university setting across the state, nation and world!"

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