

BIOCHEMISTRY AND MOLECULAR BIOLOGY | IDS

The College of Liberal Arts and Sciences recognizes that students' academic and professional interests may include more than one discipline and that some majors are not formally available at the university. Because interdisciplinary approaches, research, and curricular activities are becoming increasingly appropriate and valuable within the liberal arts and sciences and other fields, UF students have the option to develop and pursue interdisciplinary (IDS) majors that cross the boundaries of numerous disciplines.

About this Program

- **College:** Liberal Arts and Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/>)
- **Degree:** Bachelor of Science
- **Credits for Degree:** 120
- **Contact:** Email (korolymj@ufl.edu) | Center for Precollegiate Education and Training | 352.392.7685
- **More Info**

Department Information

The Department of Chemistry is a comprehensive department granting bachelor's, master's, and PhD degrees with specialization in all areas including biochemistry, nanochemistry, analytical, inorganic, organic, physical, polymer, synthetic, and theoretical chemistry. The University of Florida ranks in the top five chemistry departments nationally in PhD production and is among the top 20 in bachelor's graduates.

Website (<https://www.chem.ufl.edu/>)

CONTACT

Email (advising@chem.ufl.edu) | 352.392.0541 (tel) | 352.392.8758 (fax)

P.O. Box 117200
214 LEIGH HALL
GAINESVILLE FL 32611-7200
Map (<http://campusmap.ufl.edu/#/index/0009>)

Curriculum

- Chemistry Minor
- Chemistry | Biochemistry

Applicants with a strong background in basic chemistry and biology can pursue advanced-level work, including required courses in the Department of Biochemistry and Molecular Biology, research in biochemistry and molecular biology and other electives in biochemistry and molecular biology, botany, chemistry, microbiology, neuroscience, pharmacology, and zoology.

Graduates will have excellent backgrounds for research in a variety of the basic medical sciences and are qualified for graduate and professional school programs.

Academic Learning Compact

This interdisciplinary studies major in biochemistry and molecular biology provides students with an understanding of and competence in biochemistry, molecular biology and molecular cell biology. Students will understand and use the scientific approach to gather and verify knowledge. They will be able to draw appropriate conclusions and inferences from properly conducted laboratory research. Students will be able to evaluate the significance, quality and veracity of information gathered via experiment and literature and to apply them effectively. Students will also possess the ability to articulate results clearly and effectively.

Before Graduating Students Must

- Satisfactorily complete IDS 4906 (capping 7-12 credits of thesis research), graded according to department rubric.
- Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

Student Learning Outcomes (SLOs)

Content

1. Identify, describe and explain biochemistry, molecular biology and molecular cell biology.
2. Draw appropriate conclusions and inferences from properly conducted laboratory research.

Critical Thinking

3. Evaluate the significance, quality and veracity of information gathered via experiment and literature and apply them effectively.

Communication

4. Articulate research results clearly and effectively in speech and in writing in an accepted style of presentation.

Curriculum Map

I = Introduced; R = Reinforced; A = Assessed

Courses	SLO 1	SLO 2	SLO 3	SLO 4
IDS 4906, course 1	I, R	I, R	I, R	I, R
IDS 4906, course 2	I, R, A	I, R, A	I, R, A	I, R, A

IDS 4906 is the only required course for this major (or equivalent with other prefixes)

Assessment Types

- Direct assessment of research in the thesis
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