

## SAMPLE PROGRAM OF STUDY

B.S. degree. **This is only a sample program;** students will work out their specific programs of study with their advisors.

Freshman year	Units		
	Fall	Winter	Spring
BIOL 005A/05LA, 005B		5	4
CHEM 001A/01LA, 001B/ 01LB, 001C/01LC	5	5	5
ENGL 1A, 1B	4		4
Humanities/social science			4
MATH 007A, 007B	4	4	
NASC 093	2		
<b>Total</b>	<b>15</b>	<b>14</b>	<b>17</b>
Sophomore year			
BIOL 005C	4		
BIOL 102			4
STAT 100A		5	
CHEM 008/08LA, 008B/08LB, 008C/8LC	4	4	4
Humanities/social science	4	4	4
PHYS 002A/02LA, 002B/02LB, 002C/02LC	5	5	5
<b>Total</b>	<b>17</b>	<b>18</b>	<b>17</b>
Junior year			
Upper-division BIOL	4	4	8
Humanities/social science	4	4	
Course from "related areas"		4	
Electives			4
BCH 100 or 110A	4		
<b>Total</b>	<b>12</b>	<b>12</b>	<b>12</b>
Senior year			
Upper-division BIOL	4	8	
ENGL 001C			4
Electives	8	4	4
Course from "related areas"	4		4
BIOL 197, 199 (research)	2	3	3
<b>Total</b>	<b>18</b>	<b>15</b>	<b>15</b>

## CAREERS

The study of biology can lead to a diversity of careers with considerable employment opportunities.

The entire health-care field is strongly based on biology. Biologists in conservation careers work toward preserving the natural world for future generations. Biology educators teach classes in schools, parks, and nature centers and direct research in colleges, universities, museums, and zoos.

In many fields biologists are able to combine their scientific training with other interests, such as forensics; politics and policy; sales and distribution; science writing; scientific illustration; biotechnology; and bioengineering.

## ADVISING

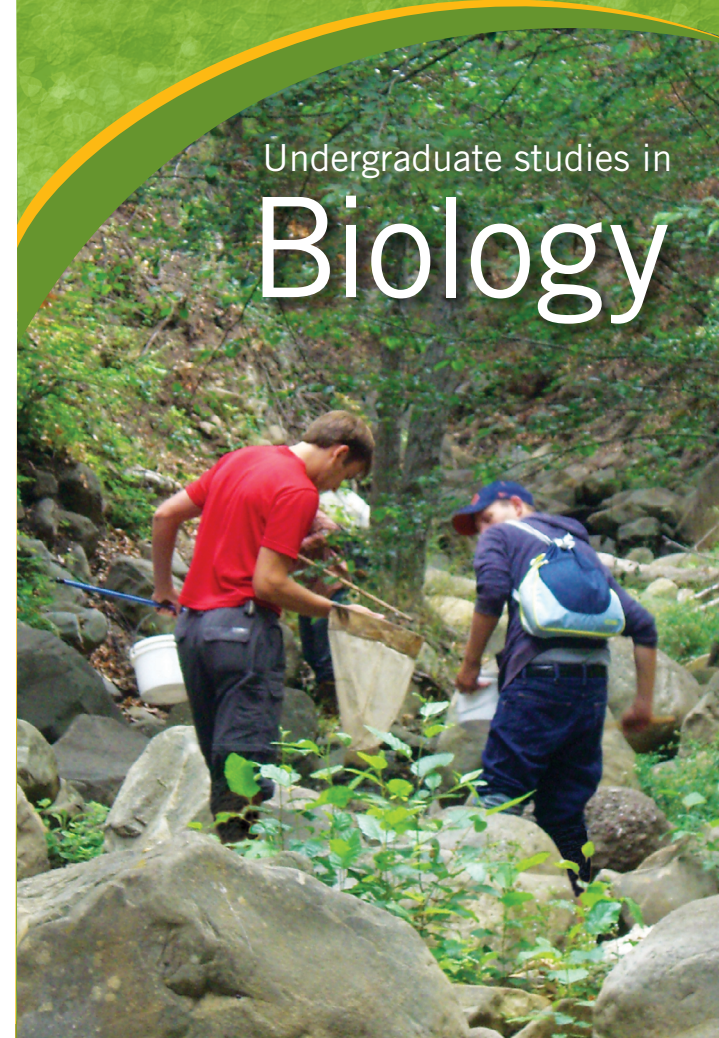
Current course requirements are available online in the UCR General Catalog at [catalog.ucr.edu](http://catalog.ucr.edu).

For help in selecting courses, and for information about policies and procedures, contact:  
Professional Academic Advisor Norma Palacios  
CNAS Undergraduate Academic Advising Center  
1223 Pierce Hall

Email: [norma.palacios@ucr.edu](mailto:norma.palacios@ucr.edu)  
Phone: (951) 827-4857

For advice about careers, graduate programs, and letters of recommendation, contact:  
Undergraduate Faculty Advisor  
Professor Wendy Saltzman  
Department of Evolution, Ecology, and Organismal Biology  
3354 Spieth Hall  
Email: [saltzman@ucr.edu](mailto:saltzman@ucr.edu)  
Phone: (951) 827-6356

# Undergraduate studies in Biology



Growing great science  
Making new discoveries  
Building great minds



# Biology at the University of California, Riverside

## STUDIES IN BIOLOGY

Biology is a broad and dynamic field with unlimited career opportunities. At UC Riverside, the Biology major prepares students for a range of graduate and professional programs and careers. Students may select either a broad-based approach or a focused emphasis within the field.

## LIFE SCIENCE CORE

For the first two years of study, Biology majors take the Life Sciences Core Curriculum: introductory biology, calculus, general and organic chemistry, physics, statistics, and biochemistry. Along with English, humanities, arts, and social sciences, these courses fulfill most of the lower-division requirements for admission to graduate, medical, and health science professional schools. They also cover much of the material for the national tests for admission to such schools (GRE, MCAT, DAT, VCAT, PCAT) that incorporate a strong emphasis on topics covered by the Life Sciences Core Curriculum.

## BIOLOGY MAJOR

In addition to providing core training in life sciences, the Biology major allows flexibility

for students to choose courses and plan an individualized upper-division program from the array of available Biology courses. Students can choose a breadth of courses or an area of emphasis, depending on their plans following baccalaureate study. The Biology major offers both B.A. and B.S. degrees.

Students interested in preparing for teaching or for one of the medical careers should consult the Science/Mathematics Initiative, 1315 Pierce Hall respectively, or the Health Professions Advising Center, 1114 Pierce Hall. Students are encouraged to conduct undergraduate research and to take courses in computer science. Students may specialize in cell and molecular biology, ecology and population biology, molecular genetics, zoology and physiology, or another biological specialty in consultation with the Undergraduate Faculty Advisor.



## RESEARCH OPPORTUNITIES

The Department of Evolution, Ecology, and Organismal Biology is a center for research in the areas of animal behavior, cell and molecular biology, genetics and bioinformatics, physiology, ecology and evolution. As such, it offers many opportunities to participate in research with faculty and graduate students and gain hands-on experience using methods of scientific inquiry and cutting-edge technology.

In addition, students can do independent laboratory or field research or an in-depth library study on a topic of interest. The project is planned with a professor, and is typically related to work already being done in the lab. Students can earn undergraduate course credit for their participation.

## ADDITIONAL CAMPUS RESOURCES

**Health Professions Advising Center (HPAC)**  
Website: [hpac.ucr.edu](http://hpac.ucr.edu), Phone: (951) 827-6233

**Science and Math Initiative (SMI)**  
Website: [smi.ucr.edu](http://smi.ucr.edu), Phone: (951) 827-4970

**Undergraduate Research Portal**  
Website: [ssp.ucr.edu/portal/](http://ssp.ucr.edu/portal/)