SAMPLE PROGRAM OF STUDY

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

	Units		
Freshman year	**Fall**	**Winter**	**Spring**
ENGL 001A, 001B	4	4	
CHEM 001A, 001B, 001C, 01LA, 01LB, 01LC	5	5	5
BIOL 005A, 05LA, 005B		5	4
MATH 007A, 007B	4	4	
Humanities/social science			4
Total	13	18	13
Sophomore year			
CHEM 8A, 8LA, 8B, 8LB, 8C, 8LC	4	4	4
BIOL 005C, 102	4		4
PHYS 002A, 002B, 002C, 02LA, 02LB, 02LC	5	5	5
Humanities/social science		8	
Total	13	17	13
Junior year			
STAT 100A	5		
BCH 100	4		
Depth requirement	4	4	8
CBNS 101			4
BIOL 107A		4	
Major elective		4	4
Humanities/social science	4	4	
General elective			
Total	17	16	16
Senior year			
Major elective (2 courses each quarter)	8	8	
Humanities/social science or General elective	4		8
CBNS 108			4
ENGL 001C		4	
XXX 190, 197, 198, 199 (research)	2	3	3
Total	14	15	15

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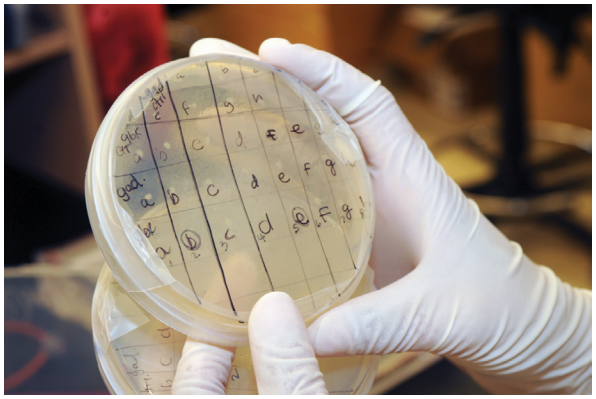
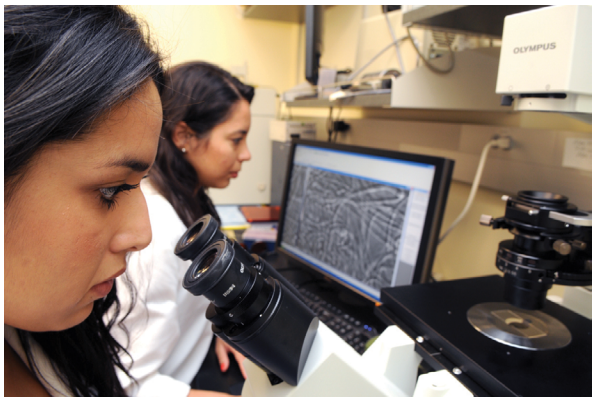
2017-18





ADVISING

Current course requirements are available online in the UCR General Catalog at *catalog.ucr.edu*. For help in selecting courses, and for information about policies and procedures, contact a Professional Academic Advisor:

CNAS Undergraduate Academic Advising Center
1223 Pierce Hall
Phone: (951) 827-7294
Website: cnasstudent.ucr.edu

For advice about careers, graduate programs, and letters of recommendation, contact any of the faculty members in the Cell, Molecular, and Developmental Biology Program. A list of the faculty is available at *cmdb.ucr.edu*.

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Undergraduate studies in

Cell, Molecular, and Developmental Biology

Growing great science
Making new discoveries
Building great minds

cmdb.ucr.edu



Cell, Molecular, and Developmental Biology at the University of California, Riverside

THE FIELD

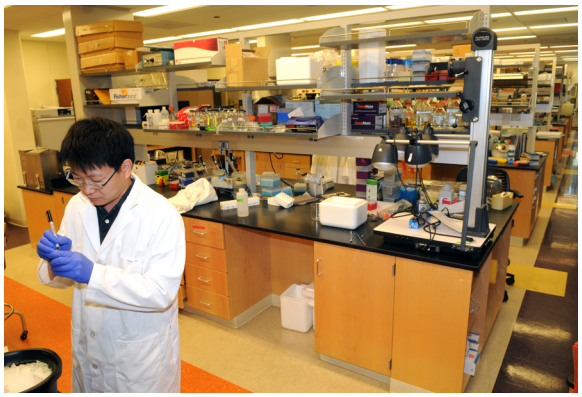
Cell, Molecular, and Developmental Biology (CMDB) is a discipline that focuses on the structures and processes used by organisms during growth and differentiation. Examples of topics central to CMDB include how information in DNA is used by cells to make proteins, how proteins and other molecules come together to form cells, how cells interact to form whole organisms, and how defects in cell function impact human physiology and disease. Many subjects in CMDB are addressed through multidisciplinary approaches, integrating knowledge from biology, chemistry, genetics, and mathematics, among others.

STRUCTURE OF THE MAJOR

The major is organized by faculty from several departments who are passionate about CMDB and undergraduate education. We have organized a curriculum that helps students develop academic and professional skills through a framework of introductory, intermediate, and advanced courses. A typical course plan is shown on the reverse side.

CAREER PATHS

The CMDB major provides a strong background for further study in medicine, dentistry, other health-related professions, and graduate programs in many disciplines of biology. A degree in CMDB is also relevant to obtaining positions in biotechnology industries as well as universities, research institutes, hospitals, and government laboratories.



CURRICULUM SPECIALIZATIONS

Specializations include the CMDB Disciplinary Track and the Health Sciences Track, both of which can lead to B.S. or B.A. degrees. Each option can lead to a similar career, but vary in the extent of upper-division science electives, and humanities/social science electives such as classes in health psychology and foreign languages.

RESEARCH AND INTERNSHIP OPPORTUNITIES

Students can receive credit toward their degrees for both research performed in UCR faculty labs and work in off-campus internships. Such experiences provide students with hands-on exposure to their field and the opportunity to apply what they learn in the classroom.