

Tentative Microbiology Course Offerings

Major Core							
Course #	Course Name	Units	Prerequisite	Fall	Winter	Spring	Summer
BIOL 102	Introductory Genetics	4	BIOL 5B (C- or better)	✓	✓	✓	✓
BIOL 107A	Molecular Biology	4	BIOL 5C, CHEM 12C, PHYS 2C/2LC, BCH 100 or 110A	✓	✓	✓	✓
BIOL/MCBL 121	Introductory Microbiology	4	BIOL 5C, CHEM 12C, PHYS 2C/2LC, MATH9B BCH 100 or 110A	✓	✓	✓	✓
BIOL/MCBL 121L	Microbiology Lab	3	BIOL/MCBL 121		✓	✓	
MCBL 125	Experimental Microbiology	4	UD Standing in MCBL, BIOL 102, BIOL 107A, BIOL/MCBL 121, BIOL/MCBL 121L			✓	
Major Electives							
Course #	Course Name	Units	Prerequisite	Fall	Winter	Spring	Summer
BIOL/CBNS 128	Immunology	3	BIOL5C, PHYS2C/2LC, BCH 100 or 110A	✓		✓	✓
BIOL 157	Parasitology	4	BIOL5C, BCH 100 or 110A, one course in statistics	✓			
BIOL 158	Medical Molecular Parasitology	4	BCH 110C or BIOL107A			✓	
CBNS 101	Fundamentals of Cell Biology	4	BCH 100 or 110A (may be taken concurrently)	✓	✓	✓	✓
ENSC/NEM 120	Soil Ecology	3	BIOL5A/5LA, CHEM1C/1LC, ENSC 100 or consent of instructor		✓		
MCBL/BIOL/PLPA 120	Introduction to Plant Pathology	3	BIOL 5C, CHEM 1C, CHEM 12C, PHYS 2C/2LC, BCH 100 or 110A	✓			
MCBL/BIOL/PLPA 120L	Introduction to Plant Pathology Lab	1	BIOL 120 concurrent enrollment, or consent of instructor, MCBL 121, 124 recommended	✓			
MCBL/BIOL/PLPA 123	Introduction to Comparative Virology	4	BIOL 5C, CHEM 12C, PHYS 2C/2LC, BCH 100 or 110A			✓	
MCBL/BIOL 124	Pathogenic Microbiology	4	MCBL 121 C- or better		✓		
MCBL 126	Microbiomes	3	MCBL 121 C or better			✓	
MCBL 197*	Research for Undergraduates	1-4	Consent of instructor, upper division standing	✓	✓	✓	✓
PLPA/BIOL 134	Introduction to Mycology	3	BIOL 5C, PHYS2C/2LC, BCH 100 or 10A, one course in statistics or consent of instructor	✓			
PLPA/BIOL 134L	Intro to Mycology Lab	1	Concurrent enrollment in PLPA/BIOL134L or consent of instructor	✓			

*No more than 4 units of MCBL197 can apply to MCBL upper division requirements. Course is repeatable to a maximum of 9 units.

Other Requirements							
Course #	Course Name	Units	Prerequisite	Fall	Winter	Spring	Summer
BCH 110C	General Biochemistry		C- or better in BCH 100 or BCH 110B or consent of instructor			✓	
BIOL 107B	Advanced Molecular Biology	3	BIOL 107A or BCH 110C			✓	
BIOL 119	Introduction to Genomics and Bioinformatics	4	BIOL 5C, BIOL102, PHYS2C/2LC, BCH 100 or 110A, one course in statistics	✓			
MCBL/ENSC 133	Environmental Microbiology	4	BIOL 5C or consent of instructor		✓		
**MCBL 190	Special Studies	1-5	Permission of Instructor and major chairperson	✓	✓	✓	✓
***MCBL 198-I	Individual Internship in Microbiology	1-12	BIOL121/MCBL121, upper division standing, consent of instructor	✓	✓	✓	

**No more than 4 units of MCBL190 or 1981-I can be applied toward the degree without permission from the Microbiology Steering Committee.

***MCBL191-I is graded on an S/NC basis. Course is repeatable to a maximum of 16 units.

Schedule is subject to change

Approved upper division course substitutions can be found at cnasstudent.ucr.edu/majors/microbiology

Please consult catalog.ucr.edu for full list of pre-requisites and course descriptions