

MINOR IN MICROBIOLOGY

Minor Requirements Worksheet

2018-2019 Catalog

NOTE: This checklist is not intended to replace advising from the major department. Students should consult with the faculty major advisor to determine the appropriate sequence of courses. This checklist is to inform students of major requirements and course prerequisites only; the [CSULB Course Catalog](#) takes precedence in any conflict. CSULB Enrollment Services prepares the Academic Requirements Report, which is the official graduation verification.

Before adding any minors, students must check to see if this addition will affect CSULB's [Timely Graduation for Undergraduate Students](#) policy. Under this policy, students may earn up to 120% of the number of units required for the degree in their **declared primary major**. In addition, the policy requires that a student must file a Request to Graduate form with Enrollment Services by the time the student has completed 100% of the units required for the declared primary major. Any additional degree objectives (e.g., majors, minors, certificates, etc.) must be completed within the 120% unit limit.

This minor may be combined with any major at CSULB except the B.S. in Microbiology. A minimum of 21 units is required for this minor.

All prerequisites require a "C" or better.

Semester	Grade	Course #	Course Title	Prerequisites
		BIOL 211	Introduction to Evolution and Diversity (4)	<i>Pre/Corequisite:</i> CHEM 111A
		BIOL 212	Introduction to Cell and Molecular Biology (4)	BIOL 211 and CHEM 111A. <i>Pre/Corequisite:</i> CHEM 111B
		BIOL 311	General Microbiology (5)	BIOL 211 and 212 and CHEM 111B

These courses do not meet any specific or elective requirements for this minor: BIOL 101, 153, 153L, 200, 200L, 201, 205, 205L, 207, 208.

UPPER DIVISION COURSES

Take a minimum of nine units selected from the following courses: BIOL 320, 320L, 322, 325, 355, 355L, 371, 372, 415, 416, 429, 434, 471, 474. The nine units must include BIOL 320, 355, or 371 and at least 3 units must be from the 400 series. For a list of appropriate 400 series microbiology courses, consult with the Microbiology faculty major advisor.

Semester	Grade	Course #	Course Title	Prerequisites
		BIOL 320	Bacterial Pathogenesis (3)	BIOL 311; <i>Recommend:</i> BIOL 320L
		BIOL 355	Microbial Ecology (3)	BIOL 260; BIOL 311 or (BIOL 211 and 212 and 213)
		BIOL 371	Microbial Genetics (3)	BIOL 311

These courses do not meet any specific or elective requirements for this minor: BIOL 300, 301, 304, 305, 308 and NSCI 492.