

# Minor in Microbiology

## Minor Requirements Worksheet

### 2012-2013 Catalog

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Note: This checklist is not intended to replace advising from the major department. Students should consult with the major advisor to determine the appropriate sequence of courses. This checklist is to inform students of minor requirements and course prerequisites only. 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. For more information, see [http://www.csulb.edu/depts/enrollment/graduation/bachelors/timely\\_grad\\_ugrad.html](http://www.csulb.edu/depts/enrollment/graduation/bachelors/timely_grad_ugrad.html).

This minor may be combined with any major at CSULB except the B.S. Microbiology.

A minimum of 19 units which must include:

#### Lower Division

| Grade | Course # | Course Title             | Semester | Prerequisites<br>(all with a grade of "C" or better) |
|-------|----------|--------------------------|----------|--|
|       | MICR 211 | General Microbiology (5) |          | BIOL 211, 212; CHEM 111B                             |

The following courses do not meet any specific or elective requirements for this minor: BIOL 100, 153, 153L, 200, 200L, 205, 205L, 207, 208; MICR 101 and 200.

#### Upper Division:

Take all of the following courses:

| Grade | Course # | Course Title               | Semester | Prerequisites<br>(all with a grade of "C" or better) |
|-------|----------|----------------------------|----------|--|
|       | MICR 320 | Bacterial pathogenesis (3) |          | MICR 211   |
|       | MICR 416 | Virology (3)               |          | MICR 320 or BIOL 340                                 |
|       | MICR 430 | Immunology (3)             |          | BIOL 340   |

Take a minimum of five units from the following: MICR 322, 371, 471, 473 (see below for prerequisites)

| Grade | Course # | Course Title | Semester | Prerequisites<br>(see below) |
|-------|----------|--------------|----------|------------------------------|
|       |          |              |          |                              |
|       |          |              |          |                              |

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

#### For Reference: Courses and Prerequisites

| Grade | Course # | Course Title                         | Prerequisites (all with a grade of "C" or better) |
|-------|----------|--------------------------------------|---|
|       | MICR 322 | Mycology/Parasitology (5)            | BIOL 211, 212; MICR 320                           |
|       | MICR 371 | Microbial Genetics (3)               | MICR 211  |
|       | MICR 471 | Bacterial Physiology (3)             | MICR 320, CHEM 441A                               |
|       | MICR 473 | Food and Industrial Microbiology (3) | MICR 200 or 211; CHEM 441A or 448                 |