

### Molecular and Medical Microbiology, B.S. (formerly Microbiology, B.S.)

(2020-2021)

College of Biological Sciences

Graduation Requirements: 180 units, including 64 upper division units; Min. 2.0 GPA req. in major, depth, and cumulative

Residency Requirement: 35 of last 45 units must be completed at UC Davis

All major courses must be taken for a letter grade (excluding courses offered only as P/NP)

**NOTE: MIC courses are in the process of transitioning to MMG courses within 1 year.**

#### PREPARATORY SUBJECT MATTER : 57-67 UNITS

##### (LOWER DIVISION REQUIREMENTS)

| Course | Offered | Units | Grade |
|--------|---------|-------|-------|
|--------|---------|-------|-------|

##### Biological Sciences (BIS)

|        |         |   |       |
|--------|---------|---|-------|
| BIS 2A | (F,W,S) | 5 | _____ |
| BIS 2B | (F,W,S) | 5 | _____ |
| BIS 2C | (F,W,S) | 5 | _____ |

##### General Chemistry (CHE)

|        |       |   |       |
|--------|-------|---|-------|
| CHE 2A | (F,W) | 5 | _____ |
| CHE 2B | (W,S) | 5 | _____ |
| CHE 2C | (F,S) | 5 | _____ |

##### Organic Chemistry (CHE)

|        |       |   |       |
|--------|-------|---|-------|
| CHE 8A | (F,S) | 2 | _____ |
| CHE 8B | (F,W) | 4 | _____ |

**OR**

|          |       |   |       |
|----------|-------|---|-------|
| CHE 118A | (F,W) | 4 | _____ |
| CHE 118B | (W,S) | 4 | _____ |
| CHE 118C | (F,S) | 4 | _____ |

##### Mathematics (MAT)

|                 |         |     |       |
|-----------------|---------|-----|-------|
| MAT 17A or 21A  | (F,W,S) | 4   | _____ |
| MAT 17B or 21B  | (F,W,S) | 4   | _____ |
| MAT 17C or 21C* | (F,W,S) | 0-4 | _____ |

\*MAT 21C recommended, but not required

##### Physics (PHY)

|        |         |   |       |
|--------|---------|---|-------|
| PHY 7A | (F,W,S) | 4 | _____ |
| PHY 7B | (F,W,S) | 4 | _____ |
| PHY 7C | (F,W,S) | 4 | _____ |

##### Microbiology (MIC)

|               |     |   |       |
|---------------|-----|---|-------|
| MIC 91 or 191 | (S) | 1 | _____ |
|---------------|-----|---|-------|

#### DEPTH SUBJECT MATTER: 45 UNITS

##### (UPPER DIVISION REQUIREMENTS)

|         |         |   |       |
|---------|---------|---|-------|
| BIS 101 | (F,W,S) | 4 | _____ |
| BIS 102 | (F,W,S) | 3 | _____ |
| BIS 103 | (F,W,S) | 3 | _____ |

**OR**

|          |         |   |       |
|----------|---------|---|-------|
| BIS 105* | (F,W,S) | 3 | _____ |
|----------|---------|---|-------|

\*if do not take BIS 102 AND 103

#### DEPTH SUBJECT MATTER (continued)

|         |           |   |       |
|---------|-----------|---|-------|
| BIS 104 | (F,W,S)   | 3 | _____ |
| STA 100 | (F, W, S) | 4 | _____ |

##### Microbiology Requirements

|          |         |   |       |
|----------|---------|---|-------|
| MIC 102  | (F,W,S) | 3 | _____ |
| MIC 104L | (F,W)   | 3 | _____ |
| MIC 105  | (W)     | 3 | _____ |
| MIC 105L | (W,S)   | 3 | _____ |
| MIC 111  | (F)     | 3 | _____ |

**Choose at least one course from each of the following three areas of study:**

**Molecular Microbiology:** MIC 115, 150, 170

**Virology:** MIC 162; PMI 128

**Immunology:** MMI 188; PMI 126

Choose additional course work from the following list to achieve a total of **45 or more units**. Upper division Microbiology courses not used in satisfaction of any other requirement; or: **BIS 181, 183; FST 104; MCB 121, 182; MIC 117, 120, 172, 175; PLP 130; SSC 111; or upper division courses in related fields** relevant to the student's interest and chosen in consultation with the advisor. *No more than three units of variable-unit courses (numbered 192, 198, or 199) may be used for credit in this category.*

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Note: Although a course might be listed in more than one category, that course may satisfy only one requirement in the entire major.**

**Total Units:** \_\_\_\_\_

For detailed course information such as course titles, descriptions, and prerequisites, please see the [UC Davis General Catalog](#). For current course offerings, please use [Schedule Builder](#). Please note course offerings and degree requirements are subject to change; please consult with a [BASC advisor](#) to ensure graduation requirements are fully met.