

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

**(2021-2022)**

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 : 60-70 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	_____
BIS 2D	(W,S)	3	_____

##### 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)*

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** 104, 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.