

Biochemistry and Molecular Biology, 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*)**PREPARATORY SUBJECT MATTER : 50-57 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 | _____ |

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 | _____ |

OR

| | | | |
|--------|-------|---|-------|
| PHY 9A | (F,S) | 5 | _____ |
| PHY 9B | (F,W) | 5 | _____ |
| PHY 9C | (W,S) | 5 | _____ |

DEPTH SUBJECT MATTER : 56-68 UNITS**(UPPER DIVISION REQUIREMENTS)**

| | | | |
|---------|---------|---|-------|
| BIS 101 | (F,W,S) | 4 | _____ |
| BIS 102 | (F,W,S) | 3 | _____ |
| BIS 103 | (F,W,S) | 3 | _____ |
| BIS 104 | (F,W,S) | 3 | _____ |

| | | | |
|----------|---------|---|-------|
| STA 100* | (F,W,S) | 4 | _____ |
|----------|---------|---|-------|

*STA 130AB also accepted

DEPTH SUBJECT MATTER (continued)**Organic Chemistry (CHE)**

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

OR

| | | | |
|-------------------|--|-----|-------|
| CHE 128A and 129A | | 3/2 | _____ |
| CHE 128B and 129B | | 3/2 | _____ |
| CHE 128C | | 3 | _____ |

Physical Chemistry (CHE)

| | | | |
|----------|-------|---|-------|
| CHE 107A | (F,W) | 3 | _____ |
| CHE 107B | (W,S) | 3 | _____ |

OR

| | | | |
|----------|-------|---|-------|
| CHE 110A | (F,S) | 4 | _____ |
| CHE 110B | (F,W) | 4 | _____ |
| CHE 110C | (W,S) | 4 | _____ |

Molecular and Cellular Biology (MCB)

| | | | |
|-------------------------|---------|-----|-------|
| MCB 120 and 120L | (F,W,S) | 3/3 | _____ |
| MCB 121 | (F,W,S) | 3 | _____ |
| MCB 123 | (F,S) | 3 | _____ |

| | | | |
|-------------------|-----|---|-------|
| MCB 124 OR | (F) | 4 | _____ |
| MCB 143 | (S) | 3 | _____ |

Restricted Electives:

Complete at least 6 units of upper division coursework from the course options included on the second page. NOTE: Up to 3 total units of internship and research (189, 190C, 192, 193, 199, etc.) can be applied toward restricted electives. 197T Tutoring units will not satisfy restricted electives.

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

Total Units: _____

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

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.

Restricted Elective Course Options

A small selection of other courses may work upon consultation with BMB master or major advisor

ANS 137

ANT 151, 152, 158

BIM 162

BIS 100-199 (except for BIS 101-105)

BIT 100-199 (except for BIT 197T)

CHE 100-199 (except for CHE 107AB, 108, 110ABC, and 197T)

ECH 140, 142, 143, 152A, 152B

ENT 100, 102, 153, 158

EVE 100-199 (except for EVE 197T)

EXB 101, 106 (or NPB 105), 106L (or NPB 105L), 117, 124

EXT 101, 104, 110, 120, 128, 130

FST 100A, 100B, 102A, 102B, 104, 123, 128

GDB 101, 103

GEL 107

IDI 141

MCB 100-199 (except for courses already being used to fulfill major requirements and 197T)

MIC[^] 100-199 (except for 197T)

MMI 188

NPB 100-199 (except for 102 and 197T)

NUT 104, 105, 111AY, 112

PHY 140B

PLB 100-199 (except for 197T)

PLS 147

PMI 100-199 (except for 197T)

PSC 101

STA 101, 103, 104, 106, 108

VMB 101V, 101Y

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