

Class of 2021 and beyond

## Molecular, Cellular, and Developmental Biology

### Degrees Offered

BA

BS

BS  
Intensive

BS/MS

### Prerequisites for entering the major

BIOL 101, 102, 103, and 104

1 course in MATH 115 or higher or S&DS course at Yale

2 terms in CHEM  
and 1 term in  
PHYS

2 term lecture sequence in CHEM + 2 Labs

2 terms PHYS

1 term Organic CHEM + 1 Lab

### Requirements for each degree

5.5 Course  
Credits  
beyond prereqs

9 Course  
Credits  
beyond prereqs

11 Course  
Credits  
beyond prereqs

14 Course  
Credits  
beyond prereqs  
(consult DUS)

2 courses from  
MCDB 200, 202,  
205, 210, 290,  
300 (or MBB  
300)

3 courses from  
MCDB 200, 202, 205, 210, 290, 300 (or MBB 300)

1 Bioscience  
Lab

2 MCDB  
Labs

2 General Electives  
from core courses or upper level MCDB courses  
(MCDB 250 and above)

4 Graduate level  
electives

1 Special Elective  
from MCDB 350 or higher

### Senior Requirements

Senior Essay  
or  
1 term  
MCDB 475

MCDB  
485/486  
or  
2 terms  
MCDB 475

MCDB  
495/496

MCDB 585  
(jr. spring)  
MCDB 595/596  
(sr. year)  
(6 credits)

### Special Track Requirements

**Biotechnology:** MCDB 370; 1 elective from MCDB 350 or higher; 1 elective from MB&B 420, 443, BENG 351, 352, 410, 435, 463, CENG 411, 412, CPSC 437, 470, or 475.

**Neurobiology:** MCDB 320; 1 elective from MCDB 350 or higher; 1 elective from BENG 410, CPSC 475, MCDB 250, 310, 315, 361, 415, 425, 430, PSYC 270, S&DS 101.

**Quantitative Biology:** MCDB 330; 1 elective from MCDB 350 or higher; 1 elective from MCDB 320, 361, 461, BENG 463, 467, MB&B 302, 435, 452, 523, PHYS 402, MATH 246, 251, or CPSC 475