

# PREVIOUS REQUIREMENTS

## Molecular and Cell Biology Summer 2021 Courses

MCB Students who declared the Molecular Biology major during Summer 2019 or earlier and have NOT moved to the updated requirements

ONLINE or IN PERSON is subject to change -see Course, Search and Enroll to confirm modality  
 Level: E=Elementary, I=Intermediate, A=Advanced (L&S Students need at least 60 credits of I/A)  
 Be sure to check your DARs and pre-requisites!  
 Schedule an appointment with the MCB Advisor with questions

Course Number	Credits	Level	Course Title
<b>Math/Statistics</b>			
Math 211	5	I	Calculus (Lect/Disc) ONLINE
Math 221	5	I	Calculus & Analytic Geometry I (Lect/Disc) ONLINE
Math 222	4	I	Calculus & Analytic Geometry II (Lect/Disc) ONLINE
Statistics 301	3	I	Introduction to Statistical Methods (Lect/Disc) ONLINE
Statistics 371	3	I	Intro Applied Statistics for Life Sciences (Lect/Disc) ONLINE

<b>Introductory Chemistry</b>			
Chemistry 103	4	E	General Chemistry I (Lect/Lab/Disc) ONLINE
Chemistry 104	5	E	General Chemistry II (Lect/Lab/Disc) ONLINE

<b>Organic/Analytical Chemistry</b>			
Chemistry 343	3	I	Introductory Organic Chemistry (Lect/Disc) ONLINE
Chemistry 344	2	I	Introductory Organic Chemistry Lab (Lab/Disc) ONLINE
Chemistry 345	3	I	Intermediate Organic Chemistry (Lect/Disc) ONLINE
Chemistry 327	4	I	Fundamentals of Analytical Science (Lect/Lab/Disc) ONLINE

<b>Physics</b>			
Physics 202	5	I	General Physics (Lect/Lab/Disc) ONLINE

<b>Introductory Biology &amp; Genetics</b>			
Genetics 466	3	I	Principles of Genetics (Lec) ONLINE

<b>Biochemistry</b>			
Biochemistry 501	3	A	Introduction to Biochemistry (Lect) ONLINE

<b>ADVANCED COURSES</b>			
<b>Microbiology</b>			
Microbiology 303	3	I	Biology of Microorganisms ONLINE
Microbiology 304	2	I	Biology of Microorganisms Lab ONLINE

<b>Cell Biology</b>			
Zoology 523	3	I	Neurobiology (Lec) ONLINE

<b>Lab Courses/Independent Research</b>			
Microbiology 304	2	I	Biology of Microorganisms Lab ONLINE

Molecular Biology 681	3	A	Senior Honors Thesis I ONLINE
Molecular Biology 682	3	A	Senior Honors Thesis II
Molecular Biology 691	3	A	Senior Thesis I
Molecular Biology 692	3	A	Senior Thesis II
Molecular Biology 699	1-4	A	Directed Studies