

# Molecular and Cell Biology Summer 2023 Courses

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 or email Ginny Jackson with questions (vjackson4@wisc.edu)

ONLINE or IN PERSON course status as of 1/18/23 - please check CS&E for latest details

Course Number	Credits	Level	Course Title
<b>Math &amp; Statistics</b>			
Math 221	5	I	Calculus & Analytic Geometry I (Lec/Disc) IN PERSON
Math 222	4	I	Calculus & Analytic Geometry II (Lec/Disc) IN PERSON
Statistics 240 * new option	4	I	Data Science Modeling I (Lec/Disc) ONLINE
Statistics 301	3	I	Introduction to Statistical Methods (Lec/Disc) ONLINE
Statistics 371	3	I	Intro Applied Statistics for Life Sciences (Lec/Disc) ONLINE

<b>General Chemistry</b>			
Chemistry 103	4	E	General Chemistry I (Lec/Lab/Disc) IN PERSON
Chemistry 104	5	E	General Chemistry II (Lec/Lab/Disc) IN PERSON

<b>Organic Chemistry</b>			
Chemistry 343	3	I	Introductory Organic Chemistry (Lec/Disc) IN PERSON
Chemistry 344	2	I	Introductory Organic Chemistry Lab (Lab/Disc) IN PERSON
Chemistry 345	3	I	Intermediate Organic Chemistry (Lec/Disc) IN PERSON

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

<b>Introductory Biology</b>			
Biology/ Zoology 101	3	E	Animal Biology (Lec) ONLINE
Biology/ Zoology 102	2	E	Animal Biology Laboratory (Lab) IN PERSON

<b>BREADTH COURSEWORK</b>			
<b>Biochemistry</b>			
Biochemistry 501	3	A	Introduction to Biochemistry (Lec) ONLINE
<b>Molecular Biology &amp; Genetics</b>			
Genetics 466	3	I	Principles of Genetics (Lec) ONLINE AND IN PERSON OPTIONS

<b>DEPTH COURSEWORK</b>			
<b>Cellular Systems</b>			
Zoology /Psychology 523	3	I	Neurobiology (Lec) ONLINE
<b>Genetics</b>			
Genetics 662	3	NONE**	Cancer Genetics (Lec) ONLINE

\*\*Does not count towards Intermediate or Advanced LAS credits -ask Ginny if questions

**DEPTH COURSEWORK  
CONTINUED****Microbiology & Virology**

Microbiology 303	3	I	Biology of Microorganisms (Lec) ONLINE
------------------	---	---	--

**Quantitative Biology**

Math 240	3	I	Intro to Discrete Math (Lec/Dis) ONLINE
----------	---	---	---

Math 340	3	A	Elem Matrix and Linear Algebra (Lec/Dis) IN PERSON
----------	---	---	--

Statistics 303	1	I	R for Statistics I (Lec) ONLINE
----------------	---	---	---------------------------------

Statistics 304	1	I	R for Statistics II (Lec) ONLINE
----------------	---	---	----------------------------------

Computer Sciences 300	3	I	Programming II (Lec) ONLINE
-----------------------	---	---	-----------------------------

Computer Sciences 540	3	A	Intro to Artificial Intelligence (Lec) ONLINE
-----------------------	---	---	---

**Laboratory Course**

Chemistry 327	4	I	Fundamentals of Analytical Science (Lec/Lab) IN PERSON
---------------	---	---	--

Microbiology 304	2	I	Biology of Microorganisms Lab (Lab) ONLINE WITH SOME CLASSROOM
------------------	---	---	--

**Directed/Independent  
Research**

Molecular Biology 681	3	A	Senior Honors Thesis I
-----------------------	---	---	------------------------

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
-----------------------	-----	---	------------------

\*Let Ginny know if you enroll in this course so she can update your DARs report.