Molecular and Cell Biology Summer 2026 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!

Please confirm modalities in Course Search and Enroll.

Course Number	Credits	Level	Course Title
Math & Statistics			
Math 221	5	I	Calculus & Analytic Geometry I (Lec/Disc) IN PERSON
Math 222	4	I	Calculus & Analytic Geometry II (Lec/Disc) IN PERSON
Math 234	4	I	Calculus -Functions of Several Variable (Lec/Disc) IN PERSON This math allows MCB students to take the elem physics sequence of Physics 103, 104
Statistics 240	4	I	Data Science Modeling I (Lec/Disc) ONLINE check with CPHA if need stats for pre-health focus
Statistics 301	3	I	Introduction to Statistical Methods (Lec/Disc) ONLINE
Statistics 371	3	I	Intro Applied Statistics for Life Sciences (Lec/Disc) ONLINE
General Chemistry			
Chemistry 103	4	E	General Chemistry I (Lec/Lab/Disc) IN PERSON
Chemistry 104	5	E	General Chemistry II (Lec/Lab/Disc) IN PERSON
Organic Chemistry			
Chemistry 343	3	I	Introductory Organic Chemistry (Lec/Disc) ONLINE
Chemistry 344	2	I	Introductory Organic Chemistry Lab (Lab/Disc) IN PERSON
Chemistry 345	3	I	Intermediate Organic Chemistry (Lec/Disc) ONLINE
Physics			
Physics 103	4	E	General Physics (Lec/Lab/Disc) ONLINE Elem Physics sequence requires MCB students also take Math 234
Physics 104	4	E	General Physics (Lec/Lab/Disc) ONLINE Elem Physics sequence requires MCB students also take Math 234
Physics 202	5	I	General Physics (Lec/Lab/Disc) IN PERSON
Introductory Biology			
Zoology 101	3	E	Animal Biology (Lec) ONLINE
Zoology 102	2	E	Animal Biology Laboratory (Lab) IN PERSON
Zoology 152	5	E	Introductory Biology (Lec/Lab) IN PERSON
BREADTH COURSEWORK			
Biochemistry			
Biochemistry 501	3	A	Introduction to Biochemistry (Lec) ONLINE
Mol Biology & Genetics			
Genetics 466	3	I	Principles of Genetics (Lec) ONLINE
DEPTH COURSEWORK			
Cellular Systems			
Zoology /Psychology 523	3	I	Neurobiology (Lec) ONLINE
Genetics			
Genetics 520	3	I	Neurogenetics ONLINE

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

Laboratory Course			
Chemistry 327	4	I	Fundamentals of Analytical Science (Lec/Lab) ONLINE and IN PERSON
Computer Science 220	4	E	Data Science Programming I (Lec/Lab) ONLINE
Microbiology 304	2	I	Biology of Microorganisms Lab (Lab) IN PERSON

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

The MCB major has updated our process for enrolling in research credits!

1. Enroll in your PI's department (for example Zoology, Biochem, Oncology 699). Ask your PI or research mentor how to get set up with research credits in their department. If you get stuck or have questions, talk to your advisor.

2. Once you're enrolled in 699 research credits (in your Mentor's department), email a paragraph to MCB that explains a bit about the research lab and the project you're working on -highlighting the molecular/cellular aspects of your research, mcb@ibio.wisc.edu.

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