

Molecular and Cell Biology Summer 2024 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 vis Starfish or email Ginny Jackson with questions (vjackson4@wisc.edu)

ONLINE or IN PERSON course status as of 1.10.24- please check Course Search & Enroll for latest details

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) 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

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) IN PERSON Elem Physics sequence requires MCB students also take Math 234
Physics 202	5	I	General Physics (Lec/Lab/Disc) IN PERSON

Introductory Biology			
Biology/ Zoology 101	3	E	Animal Biology (Lec) ONLINE
Biology/ Zoology 102	2	E	Animal Biology Laboratory (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 588	3	NONE*	Immunogenetics (Lec) ONLINE Let Ginny know if you enroll -new course offering

*Will not count towards Intm/Adv credits. Ask Ginny if you have questions.

DEPTH COURSEWORK CONTINUED			
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Microbiology & Virology			
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Microbiology 303	3	I	Biology of Microorganisms (Lec) ONLINE
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Quantitative Biology			
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Math 240	3	I	Intro to Discrete Math (Lec/Dis) ONLINE
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Math 340	3	A	Elem Matrix and Linear Algebra (Lec/Dis) IN PERSON
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Statistics 303	1	I	R for Statistics I (Lec) ONLINE
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Statistics 304	1	I	R for Statistics II (Lec) ONLINE
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Computer Sciences 540	3	A	Intro to Artificial Intelligence (Lec) ONLINE
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Laboratory Course			
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Chemistry 327	4	I	Fundamentals of Analytical Science (Lec/Lab) IN PERSON
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Microbiology 304	2	I	Biology of Microorganisms Lab (Lab) IN PERSON
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Mol Bio 699 or research in another dept approved by MCB major	1-4	I	Directed Studies in Molecular Biology
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Directed/Independent Research			
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Molecular Biology 681	3	A	Senior Honors Thesis I
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Molecular Biology 682	3	A	Senior Honors Thesis II
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Molecular Biology 691	3	A	Senior Thesis I
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Molecular Biology 692	3	A	Senior Thesis II
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Molecular Biology 699	1-4	A	Directed Studies
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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, let Ginny know.

2. Email Ginny (vjackson4@wisc.edu) a paragraph that includes your PI/Lab and info about the research project and your role, highlighting the molecular/cellular side of things. The MCB major will review your paragraph, and if approved, your research credits will count towards the MCB major.