

UPDATED REQUIREMENTS

For students who declared the major Summer 2020 or later -ask Ginny if you have any questions (vjackson4@wisc.edu)

Molecular and Cell Biology Summer 2022 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 2.17.22 - please check CS&E 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 |
| Statistics 301 | 3 | I | Introduction to Statistical Methods (Lec/Disc) ONLINE |
| Statistics 371 | 3 | I | Intro Applied Statistics for Life Sciences (Lec/Disc) ONLINE |

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| 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 |

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| 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 |

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| Physics | | | |
| Physics 202 | 5 | I | General Physics (Lect/Lab/Disc) IN PERSON |

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| Introductory Biology | | | |
| Biology/ Zoology 101 | 3 | E | Animal Biology (Lec) ONLINE |
| Biology/ Zoology 101 | 2 | E | Animal Biology Laboratory (Lab) IN PERSON |

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| Biochemistry | | | |
| Biochemistry 501 | 3 | A | Introduction to Biochemistry (Lec) ONLINE |

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| BREADTH COURSEWORK | | | |
| Biochemistry | | | |
| Biochemistry 501 | 3 | A | Introduction to Biochemistry (Lec) ONLINE |
| Molecular Biology & Genetics | | | |
| Genetics 466 | 3 | I | Principles of Genetics (Lec) ONLINE |

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| DEPTH COURSEWORK | | | |
| Cellular Systems | | | |
| Zoology /Psychology 523 | 3 | I | Neurobiology (Lec) ONLINE |
| Genetics | | | |
| Genetics 662 | 3 | NONE* | Cancer Genetics (Lec) IN PERSON |

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

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

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| Microbiology 303 | 3 | I | Biology of Microorganisms (Lec) IN PERSON |
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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 300 | 3 | I | Programming II (Lec) IN PERSON |
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| Computer Sciences 540 | 3 | A | Intro to Artificial Intelligence (Lec) IN PERSON |
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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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**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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