

CELLULAR AND MOLECULAR BIOLOGY, M.S.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW-Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirement Detail

Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	15 credits must be graduate-level coursework. Details can be found in the Graduate School's Minimum Graduate Coursework (50%) policy (https://policy.wisc.edu/library/UW-1244).
Overall Graduate	3.00 GPA required. This program follows the Graduate School's GPA Requirement policy

GPA Requirement (<https://policy.wisc.edu/library/UW-1203>) (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements n/a

Assessments and Examinations See PhD requirements.

Language Requirements No language requirements.

REQUIRED COURSES

Eleven credits of coursework, not including 990 research credits, are required to complete the CMB course requirements. One course must be taken from the "core" list of molecular biology courses and one course must be taken from the "core" list of cell biology courses. The remaining credits can come from either the "core" or "elective" list of classes to bring the total number of credits to ten. In addition, one credit must be fulfilled through the required ethics course. All CMB course requirements must be completed by the end of the student's second year, before completing the preliminary exam and obtaining dissertator status.

Code	Title	Credits
Course Requirements ¹		
<i>Molecular Biology Core</i>		3
Choose one of the following:		
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology	
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology	
ONCOLOGY/ PL PATH 640	General Virology-Multiplication of Viruses	
<i>Cell Biology Core</i>		2-3
Choose one of the following:		
BOTANY 860	Plant Cell Biology	
ZOOLOGY/ NEURODPT/ NTP 765	Developmental Neuroscience	
PATH 750	Cellular and Molecular Biology/ Pathology	
ONCOLOGY 703	Carcinogenesis and Tumor Cell Biology	
GENETICS/ CRB 710	Developmental Genetics	
GENETICS/ BOTANY/M M & I/ PL PATH 655	Biology and Genetics of Fungi	
<i>Ethics Core</i>		1
BIOCHEM 729	Advanced Topics	
ONCOLOGY 715	Ethics in Science	
SURG SCI 812	Research Ethics and Career Development	
Remaining credits can come from either the core or elective list of classes to bring the total number of credits to eleven.		
<i>Elective Courses</i>		4-5

