

	<b>Molecular Biology</b>	<b>Microbiology</b>
Core required courses	MBIO 610-Fall; Mol Bio (3 units) MBIO 610-Spring; Mol Bio (3 units)	MBIO 610-Fall; Mol Bio (3 units) Bio 549-Micro Gen and Phys (3 units)
Other required courses	MBIO 601-Seminar (1 unit x 3 sem, Cr/NCr)  Bio 600 Thesis proposal (3 units) Bio 797 Thesis Res. (3 units, Cr/NCr) Bio 799A Thesis Def (3 units, Cr/NCr)	MBIO 600B-Microb Journal Club (2 units) MBIO 601-Seminar (1 unit x 1 sem, Cr/NCr)  Bio 600 Thesis proposal (3 units) Bio 797 Thesis Res. (3 units, Cr/NCr) Bio 799A Thesis Def (3 units, Cr/NCr)
Strongly recommended if no previous research experience	Bio 567L-Mol Bio Lab (3 units)  Bio 565-Genome Editing (4 units)	Bio 567L-Mol Bio Lab (3 units)  -Or- Bio 528-Micro Ecology w/lab (3 units)
Elective courses to be chosen in consultation with the Grad Advisor and/or Mentor (list not exhaustive; see <a href="#">here</a> for catalog)	MBIO 600-Seminar on Modern Cell Biology MBIO 600-Seminar on Eukaryotic Pathogens MBIO 600B-Microb Journal Club (2 units)  Bio 510-Molecular Evolution (3 units) Bio 549-Micro Gen and Phys (3 units)  Bio 554-Molecular Virology (3 units) Bio 557-Trans Elec Micro (3 units) Bio 567-Adv Cell and Mol (4 units)  Bio 568-Bioinformatics (3 units)  Bio 570-Neurobiology (3 units)* Bio 575-Mol Basis of Heart Disease (3 units) Bio 576-Developmental Biology (3 units)  Bio 584-Med Micro (3 units) Bio 585-Cell and Mol Immunology (3 units) Bio 589-Stem Cell and Reg Bio (3 units)* Bio 596- Special Topics (w/ permission of CMB MS Coordinator) (1-3 units)  Bio 694-Adv Top Virology (1-4 units)  Chem 560A-Biochem (3 units)	MBIO 601-Seminar (1 unit x 2 sem, Cr/NCr)  MBIO 610-Spring; Mol Bio (3 units)  MBIO 600-Seminar on Modern Cell Biology MBIO 600-Seminar on Eukaryotic Pathogens  Bio 554-Molecular Virology (3 units) Bio 557-Trans Elec Micro (3 units) Bio 567-Adv Cell and Mol (4 units)  Bio 568-Bioinformatics (3 units)  Bio 570-Neurobiology (3 units)* Bio 576-Developmental Biology (3 units)  Bio 584-Med Micro (3 units) Bio 585-Cell and Mol Immunology (3 units) Bio 589-Stem Cell and Reg Bio (3 units)*  Bio 694-Adv Top Virology (1-4 units)  Chem 560A-Biochem (3 units)

**Notes:** Only 9 units of Credit/No Credit (Cr/NCr) courses are permitted; \*Currently not offered.