

MMG courses and their prerequisites		
MMG 101	Preview of Microbiology	none
MMG 103	Frontiers of Microbiology	none
MMG 201	Fundamentals of Microbiology	CEM 141 or ISP 201 or ISP 207 or ISP 209 or ISP 217
MMG 301	Introductory Microbiology	(BS 111 or LB 145 or LB 149H) and ((CEM 251 or concurrently) or (CEM 351 or concurrently) or CEM 143)
MMG 302	Introductory Microbiology Laboratory	(MMG 201 or concurrently) or (MMG 301 or concurrently)
MMG 408	Advanced Microbiology Laboratory	(MMG 302 and MMG 431 or concurrently) and completion of Tier I writing requirement
MMG 409	Eukaryotic Cell Biology	(BS 111 or LBS 145 or LBS 149H) and ((BMB 401 or concurrently) or (BMB 462 or concurrently))
MMG 413	Virology	(BMB 462 or concurrently) or BMB 401
MMG 421	Prokaryotic Cell Physiology	MMG 301 and (BMB 461 or concurrently)
MMG 425	Microbial Ecology	MMG 301 (recommended background)
MMG 426	Biogeochemistry	(BS 110 or LBS 144 or LBS 148H or BS 111 or LBS 145 or LBS 149H) and (CEM 143 or CEM 251)
MMG 431	Microbial Genetics	(BMB 461 or concurrently) + (Recommended Background: MMG 301 or ZOL 341)
MMG 433	Microbial Genomics	(MMG 431) (Recommended Background: (MMG 421 or BMB 461) and CSE 101)
FSC 440	Food Microbiology	(MMG 201 or MMG 301) and completion of Tier I writing requirement.
FSC 441	Food Microbiology Laboratory	(FSC 440 or concurrently) and completion of Tier I writing requirement
MMG 445	Basic Biotechnology	(MMG 201 or MMG 301) and completion of Tier I writing requirement
MMG 451	Immunology	(BS 111 or LB 145 or LB 149H) and ((BMB 401 or concurrently) or (BMB 461 or concurrently))
MMG 461	Molecular Pathogenesis	MMG 301 (Recommended Background: MMG 431)
MMG 463	Medical Microbiology	MMG 301(Recommended Background: MMG 451 or BLD 434 (MT 434))
MMG 464	Diagnostic Microbiology Laboratory	MMG 463 or concurrently (open to MMG, BLD, Clin. Lab. Sci. majors only)
MMG 490	Special Problems in Microbiology	Approval of department
MMG 491	Current Topics in Microbiology	Open to students in the Department of MMG or in the Lyman Briggs Genomics-MMG Coordinate Major
MMG 492	Undergraduate Research Seminar	MMG 499 or MMG 499H
MMG 499	Undergraduate Research	Open to students in the Department of MMG or in the Lyman Briggs Genomics-MMG Coordinate Major
MMG 499H	Honors Research	Open to students in the Department of MMG or in the Lyman Briggs Genomics-MMG Coordinate Major
Other courses of interest to MMG majors and their prerequisites		
BS 110	Organisms and Populations	none
BS 111	Cells and Molecules	(CEM 141 or concurrently) or (CEM 151 or concurrently) or (LB 171 or concurrently) or (CEM 181H or concurrently)
BS 111L	Cell and Molecular Biology Lab	BS111 or concurrently
BMB 401	Basic Biochemistry	CEM 252 or CEM 352
BMB 461	Biochemistry I	(CEM 251 or CEM 351) and (BS 110 or LB 144 or BS 148H) and (MTH 124 or MTH 132 or MTH 152H or LB 118) and (BS 111 or LB 145 or BS 149H) and ((CEM 252 or concurrently) or (CEM 352 or concurrently))
BCH 462	Biochemistry II	BMB 461 or BMB 401
CEM 141	General Chemistry	((MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or (LBS 117 or concurrently) or (LBS 118 or concurrently)) or
CEM 142	General & Inorganic Chemistry	CEM 141 or CEM 151 or CEM 181H or LBS 171
CEM 161	Chemistry Laboratory I	(CEM 141 or concurrently) or (CEM 151 or concurrently)
CEM 162	Chemistry Laboratory II	(CEM 161 or LBS 171L or CEM 185H) and ((CEM 142 or concurrently) and (CEM 152 or concurrently))
CEM 251	Organic Chemistry I	CEM 141 or CEM 151 or CEM 181H or LBS 171
CEM 252	Organic Chemistry II	CEM 251
CEM 255	Organic Chemistry Laboratory	(CEM 252 or concurrently) and (CEM 161 or LBS 171L or CEM 185H)
EPI 390	Disease in Society	none
PHY 231	Introductory Physics I	MTH 103 or MTH 116 or LBS 117 or MTH 124 or (MTH 132 or concurrently)
PHY 232	Introductory Physics II	PHY 231 or PHY 231B or PHY 181B or PHY 183 or PHY 183B or LBS 271 or PHY 193H or PHY 231C
PHY 251	Introductory Physics Lab I	(PHY 231 or concurrently) or (PHY 231B or concurrently) or (LBS 271 or concurrently) or (PHY 183 or concurrently) or (PHY 183B or concurrently) or (PHY 231C or concurrently) or (PHY 193H or concurrently)
PHY 252	Introductory Physics Lab II	(PHY 251 or PHY 191 or LBS 271L) and ((PHY 232 or concurrently) or (PHY 232B or concurrently) or (PHY 232C or concurrently) or (PHY 182B or concurrently) or (PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 294H or concurrently) or (LBS 272 or concurrently))
ZOL 341	Fundamental Genetics	BS 111 or LBS 145 or LBS 149H