

Please read the requirements below that you must follow to graduate. If you have questions about admission, course planning, or registration contact your academic advisor at mcsadvising@ifas.ufl.edu.

Required courses

- 17-18 credits of required courses must be completed before you can graduate (depending on whether you take MCB5505 or GMS7133)
- Students are required to complete **ALL FOUR** of the courses listed below

Course #	Course Title	Credits	Fall	Spring	Summer
BSC 6459	Fundamentals in Bioinformatics (not recommended for 1 st or 2 nd semester)	3	✓		
BCH 5413	Mammalian Molecular Biology and Genetics (not recommended for 1 st or 2 nd semester)	3	✓	✓	Sum C
MCB 5252	Microbiology, Immunology & Basis for Immunotherapeutics	4		✓	Sum A
MCB 7922	Journal Colloquy – Final Literature Review - final semester	1	✓	✓	Sum C

- Students are required to complete at least **ONE** of the following:
 - Note – GMS 6121 and MCB 5205 can both be taken and one can count as an elective

Course #	Course Title	Credits	Fall	Spring	Summer
MCB 5205	Microbiology of Human Pathogens	3	✓	✓	
GMS 6121	Infectious Disease	3	✓	✓	Sum C

- Students are required to complete at least **ONE** of the following:
 - Note – GMS 7133 and MCB 5505 can both be taken and one can count as an elective

Course #	Course Title	Credits	Fall	Spring	Summer
MCB 5505	Virology	3	✓	✓	
GMS 7133	Advanced Molecular Virology (GMS 6121 pre-req)	2	✓	✓	Sum C

- Students are required to complete at least **ONE** of the following:
 - Note that taking additional journal courses can count as electives

Course #	Course Title	Credits	Fall	Spring	Summer
MCB 7922	Journal Colloquy – rotating topics	1	✓	✓	Sum C
-OR-					
GMS 7192	Journal Colloquy – Infectious Disease (GMS 6121 is prereq or coreq)	1	✓	✓	Sum C
GMS 7192	Journal Colloquy – Bacteriology (GMS 6121 is prereq)	1	✓	✓	Sum C
GMS 7192	Journal Colloquy – COVID-19 (GMS 6121 is prereq)	1	✓	✓	Sum C

Elective Courses

- Students must complete 12-13 elective credits to graduate (depending on required course choices)
 - Note – module courses are offered during shortened periods throughout the semester

Course #	Course Title	Credits	Fall	Spring	Summer
MCB 6937	Microbial Applications of Synthetic Biology (Special Topics)	3	✓		
MCB 6407	Prokaryotic Cell Structure and Function	3	✓		
MCB 6937	Human Genomics (Special Topics)	3	✓		
MCB 6656	Environmental Microbiology	3	✓		
MCB 6417	Microbial Metabolism and Energetics (module) Pre-Req: course in biochemistry	1	✓		
MCB 6317	Molecular Biology of Gene Expression (module) Pre-Req: course in molecular genetics	1	✓		
MCB 6937	Career Seminar (Special Topics)	1	✓	✓	Sum A
GMS 6108	Advanced Bacterial Physiology, Antibiotics and Genetics (grade of B+ in GMS 6121 or MCB 5205 needed to enroll)	3	✓	✓	Sum C
GMS 6132	Introductory Gene and Immunotherapy	2	✓	✓	Sum C
MCB 5270	Antimicrobial Resistance	3	✓	✓	
MCB 6937	Molecular Genetics (Special Topics)	3	✓	✓	
MCB 6772	Advanced Topics in Cell Biology (module)	1		✓	
MCB 6355	Microbial/Host Defense (module) Req: course in immunology	1		✓	
MCB 6937	Methods to Study Prokaryotic Transcriptional Regulation (module) (Special Topics)	1		✓	
MCB 6318	Comparative Microbial Genomics (module) Pre-Req: BSC 6459 with grade of A-	2		✓	
PCB 5235	Immunology	3		✓	
MCB 5705	Astrobiology	3		✓	
MCB 6424	Probiotics	3		✓	
MCB 6670c	The Microbiome	3		✓	
MCB 6937	Post Translational Modifications in Microbiology (Special Topics)	2			Sum C
MCB 6151	Prokaryotic Diversity	3			Sum C

Introductory Course Track

- These two courses for seven credits are required in addition to the standard 30 credits for students in the Introductory Online MS track only. It will be noted in your admission email if you are required to take either of these courses.

Course #	Course Title	Credits	Fall	Spring	Summer
MCB 6937	Biology of Microorganisms (Special Topics)	3	✓	✓	Sum A
GMS 5905	Fundamentals in Biochemistry	4	✓	✓	Sum C

Graduation

- Students must take at least three credits in the final fall/spring (two in summer) semester to graduate.
- Thirty credits are required to complete the degree (37 credits required in introductory online MS track).
- Only courses completed with a grade of C or higher can be counted towards the degree.
- Students must maintain both a 3.0 overall GPA and 3.0 major GPA to graduate.
 - A lower GPA will result in academic probation
- Fifteen credits must be completed in major courses with a MCB, PCB, or BSC prefix.
- Satisfactorily complete MCB 7922 – Final Literature Review in the last semester of coursework: <http://microbiologyonline.ifas.ufl.edu/student-resources/graduation-info/>