

# Microbiology and Cell Science Online BS Degree Program Advising Worksheet

## 1. Required Courses that must be completed as a transient student at a local institution

- Organic Chemistry 1 and 2 with lab (CHM2210, CHM2211, and CHM2211L). Note that CHM2211L at UF is 2 credits, while other institutions will require two 1 credit labs (CHM2210L and CHM2211L), so you must have two total credits of organic chemistry lab.
  - Note – course numbers and credits can differ between institutions

## 2. Core Requirements (available online at UF)

- Physics 1 and 2 with lab (PHY2053/PHY2053L and PHY2054/PHY2054L **or** PHY2048/PHY2048L and PHY2049/PHY2049L).
  - Students are permitted to complete the Physics requirement at a local college, in person, as a transient student. This is recommended for students interested in attending professional schools (medicine, veterinary medicine, dentistry, etc.)
- BCH4024 Biochemistry
- MCB3023 Principles of Microbiology
- MCB3015C Lab Skills Boot Camp (online)
- MCB3020L Microbiology Lab Skills Boot Camp (in person accelerated immersion lab, 5 days in Gainesville, typically early May)
- MCB4034L Advanced Microbiology Lab (in person accelerated immersion lab, 5 days in Gainesville, typically early May)
- MCB4203 Bacterial/Viral Pathogens **or** PCB4233 Immunology
  - Students must take either MCB4203 or PCB4233 as a core course. Students can take both courses, and if they do, one will count as a core course and the other will count toward the departmental elective requirement)
- MCB4304 Genetics of Microorganisms **or** PCB4522 Molecular Genetics
  - Students can only take one of these courses. They cannot take both and count one as a departmental elective.
- MCB4403 Prokaryotic Cell **or** PCB3134 Cell Structure and Function
  - Students must take either MCB4403 or PCB314 as a core course. Students can take both courses, and if they do, one will count as a core course and the other will count toward the departmental elective requirement)
- BSC2891 Python Programming

## 3. Departmental Elective Requirements

- A total of 9 credits of approved departmental electives are required.
  - MCB4320C The Microbiome
  - ZOO4232 Human Parasitology

- MCB3703 Astrobiology
- MCB4503 General Virology
- MCB4782 Extremophiles
- MCB4934 – various options, check with advisor before registration

#### 4. College Requirements

- Advanced Communication Oral Requirement
  - SCP2608
- Advanced Communication Written Requirement
  - ENC2210, ENC3254, or AEC3033C
- Economics Requirement
  - ECO2013, ECO2023, or AEB2014

#### 5. General Electives

- Students must complete at least 18 credits of 3000/4000 at UF in order to graduate. These courses can come from any department at UF, including additional microbiology coursework.
- A full list of courses can be found here: <https://one.ufl.edu/soc/>
- 2000 level courses can be accepted for general elective credit on a case-by-case basis
- If students have any university general education requirements remaining, completion of those courses will count as general electives.

#### 6. Civic Literacy Requirement

- Required for the following students
  - Students transferring to UF from an out-of-state or private institution in Fall 2018 or later
  - Students who entered a State of Florida University System or Florida College System Institution Fall 2018 or later and transferred to UF, and did not complete the requirement at the previous institution
- Methods to pass the requirement – found here: [https://catalog.ufl.edu/UGRD/academic-regulations/civics\\_requirement/](https://catalog.ufl.edu/UGRD/academic-regulations/civics_requirement/)

#### 7. Additional Requirements

- Transfer students must complete at least 50 UF credits to graduate (total 120 undergraduate credits are required, with only 70 credits accepted from a state college)
- Post-bacc students must complete at least 30 UF credits to graduate
- No more than TWO courses can be dropped during your time in the program