

Recommended Coursework Strategy for B.S. in Microbiology - 4 year plan

Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Math 226 Calculus I (4)	Biol 230 Gen Biology I (5)	Biol 240 Gen Biology II (5)	Chem 333 Org Chem I (3)	Chem 335 Org Chem II (3)	Biol 401/402 Gen Micro+lab (3/2)	Math 124 or 227 Stats or Calc II (3 or 4)	Biol 442/443 Micro Phys+lab (3/2)
Chem 115 Gen Chem I (5)	Chem215/216 Gen ChemII+lab (3/2)	Phys 111/112 Phys I+lab (3/1)	Phys 121/122 Phys II+lab (3/1)	Biol 355 Genetics (3)	Chem 349 or 340 Gen Biochem (3)	Elective II	Elective III
					Elective I		

Electives (11 units) may be chosen from the following list with advisor approval - two courses must include lab:

- Biol 420 (Virology, 3, Fall) (prerequisite Biol 401/402)
- Biol 430 (Med micro, 3, Sp '06) (prerequisite Biol 401/402)
- Biol 431 (Med Micro Lab, 2, F'06) (prerequisite Biol 401/402)
- Biol 435 (Immunology, 3) (prerequisite Biol 350 OR Biol 401)
- Biol 436 (Immunology Lab, 2) (prerequisite Biol. 402 & concurrent enrolment in 435).
- Biol 453/454 (Parasitology + lab, 3/1) (prerequisite Biol 230, 240 and 355)
- Biol 450/451 (Protozoology + lab, 3/1) (prerequisite: Biol 230, 240)
- Biol 391 (Microscopy & Photomicroscopy, 2) (prerequisite college physics or consent).

Courses not in the electives list require PRIOR advisor approval for acceptance. For example, students may enroll in Biol 699 (Independent Study, 1-3 units) if they wish to perform independent research. Biol 699 requires a 3.0 GPA and development of a research project with a member of the Biology faculty.

Notes: If you are required to take Chem 340 Biochem I for graduate school (instead of Chem 349), you will need to take Chem 335 PRIOR to enrolling in Chem 340

Year 4 math/stats requirement may also be chosen from: Math228, Csc210 or Biol458

This is a RECOMMENDATION only. It is designed so that two majors science classes are taken each semester (except in Year 3). It is certainly possible to take three science courses, if you can manage your time appropriately. Check the prerequisites of courses to see if you can take a course earlier in this scheme. For example, if you plan to take Math 124 to satisfy the 2nd semester Math requirement, you can take it during year 1 or year 2.