

Department of Biology Graduation Checklist
<https://biology.sfsu.edu/advising/undergraduate>

			Fa 21	Sp 22	Su 22	v	on DPR?
BIOL 490	Biol 230 + Biol 240	Ecology of Infectious Diseases (4)	no	no	no		
BIOL 625 ¹	one college-level physiology course	Hematology	yes	yes	no		
BIOL 638	Biol 230, GPA 3.0 or higher	Bioinformatics & Genome Annotation (4)	no	yes	no		
BIOL 699	Restricted to senior Biology majors; consent of the department and instructor.	Independent Study in Biology (1-3 units) <i>requires faculty mentor's approval</i>	yes	yes	no		
CHEM 336	see http://bulletin.sfsu.edu/courses/chem/	Organic Chemistry II Laboratory (2)	yes	yes	yes		
OR CHEM 343 ²	see http://bulletin.sfsu.edu/courses/chem/	Biochemistry I Laboratory	yes	yes	yes		

¹ Required for admission to Clinical Laboratory Science graduate programs.

² Recommended for admission to Clinical Laboratory Science graduate programs.

Course Num.	Course Title	Units

What course has student taken to meet GVAR? (Typically Biol 402GW)

GVAR course must be completed with a C- or better to meet graduation requirements

	Required	Completed
Total upper division unit requirements:	26	_____
Total units for major (minimum 60 units)	60-63	_____

Recommendations for targeted post-graduate plans

Health profession Students must take Chem 216
 Students must take the full year of organic chemistry with lab: Chem 233/234 and Chem 335/336.

Graduate programs Students must take Chem 216
 Students must take the full year of organic chemistry with lab: Chem 233/234 and Chem 335/336.
 Students should take the full year of biochemistry: Chem 340 and Chem 341
 Student should consult with major advisor to optimize course plan for goals.

Clinical Laboratory Science Program

Note the courses indicated in the checklist as required or recommended for CLS graduate programs
 CLS graduate programs require a minimum 3.0 GPA.
 Students should take Chem 130 (General Organic Chemistry, 3 units) and Chem 349 (General Biochemistry, 3 units)
 Students must take the following courses as their upper division ELECTIVES in Microbiology concentration
 BIOL 430 (Medical Microbiology, 3 units)
 BIOL 435 (Immunology, 3 units)
 BIOL 625 (Hematology, 3 units)
 Students should take the following courses (not part of the major) required for CLS program:
 CHEM 321 & 322 (Quantitative Chemical Analysis + Lab, 3/2 units)
 Biol 612 (Human Physiology, 3 units)