

2011-13 Cal Poly Catalog**College of Science and Mathematics****BIOTECHNOLOGY MINOR**

The Biotechnology Minor consists of a core of required courses and **approved restricted** elective courses. Advising for students in the Biotechnology Minor takes place in the student's major department, including selection of **approved restricted** electives and preparation of an agreement form listing specific courses to satisfy the requirements for the minor. The Biotechnology Minor Form is available from the Dean's Office or the Advising Center in the College of Science and Mathematics. Final approval of the minor is by the Program Coordinator in the College of Science and Mathematics.

The minor is open to any major except Biochemistry, Microbiology, and Biological Sciences with the Molecular and Cellular Biology concentration.

Biological Sciences students preparing for the minor should take CHEM 316, 317, and 371 to fulfill the organic chemistry and biochemistry requirements in their major.

Students interested in more information should contact either Margaret (Peggy) Rice in the Chemistry and Biochemistry Department or Ken Hillers in the Biological Sciences Department.

Core courses (15-21)	<i>Units</i>
BIO 161 (B2/B4), BOT 121 (B2/B4), MCRO 221 (B2/B4) or MCRO 224 (B2/B4).....	4-5
BIO 303, BIO 351, or CHEM 373	3-5
CHEM 313 or CHEM 371	5
<i>Laboratory elective:</i> ASCI 403, BIO/CHEM 375, BOT/ HCS 450 or CHEM 474	2-5
SCM 201 Orientation to Biotechnology (8/22/14) ...	1-2
Approved electives (8/22/14)	7-13
<i>Animal Biotechnology:</i> ASCI 403, 406, 503; DSCI 330; ASCI 440	6-13
<i>Bioinformatics:</i> BIO/CHEM 441; CSC/CPE 448	
<i>Cell and Molecular Biology/Microbial Biotechnology:</i> BIO/CHEM 375, BIO 426, 452, 476; CHEM 472 , CHEM 474, 528; MCRO 225, 320, 402, 433	
<i>Engineering-related Biotechnology:</i> BRAE 448; ENVE 443; ENGR 581, 582, 583	
<i>Ethics:</i> PHIL 339; SCM 451	
<i>Pharmaceutical Biotechnology:</i> CHEM 377, 477	
<i>Plant Biotechnology:</i> BOT 323, 324; BOT/ HCS 450; CHEM 472	

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Corrected 11-4-11

Corrected 11-8-11