

Departments of Biology and Mathematics

Degree Program: Bachelor of Science (Combined major: Biology/Mathematics)

Catalog: 2005-2006: Updated on August 2, 2005

Required Courses (109 credits)

Course Number Prerequisites

Bio 204	Prereq. or co-req: Chem 121 or Chem 125
Bio 205	Bio 204, Chem 121 or 125; Prereq or co-req: Chem 122 or 126
Bio 206	Bio 205, Chem 122 or 126; Chem 123 or Chem 225
Bio 321	Bio 204, 205 and 206
Bio 323	Bio 204, 205, 206; Chem. 351 and either Chem 352 or Chem 251 Not offered every year, see Dr. M. Peterson for alternative
Bio 325	Bio 204, 205 and 206
Bio 432	Bio 321
Math 124	Suitable score on the Adv. Math Placement test or at least a C- in math 115 or 118
Math 125	Math 124
Math 204*	Math 125 or Math 128; Math 224 recommended
Math 224	Math 125 or Math 128
Math 331*	Math 224; co-requisite: Math 204
Math 341	Math 125 or Math 128
Math 342	Math 341
Math 432	Math 204 and Math 331
CSCI 140, 141 Or Math 207	Math 112 Basic computer literacy (CS 101 or equivalent); Math 125 & 204
Chem 121, 122, 123	Math 114 or equivalent score on the intermediate math placement test
OR	
Chem 125, 126, 225	Math 114 (or the equivalent score on the appropriate Math Placement Test) and permission of the instructor.
Chem 251	Chem 115 or 121 or 125
Physics 121	Pre or co-requisite: Math 124; concurrent enrollment in Physics 131 (lab)
Physics 122	Physics 121; pre or co-requisite: Math 125; concurrent enrollment In Physics 132 (lab)
Physics 131	Lab for Physics 121
Physics 132	Lab for Physics 122

Additional 12 credits of approved electives from math, math/computer science or computer science

Faculty Advisors: Dr. M. Peterson in Biology and Dr. T. Ypma in Mathematics
Phase 2 status required for admission into 300 and 400 biology courses.

*Math 203 and 303 can replace Math 204 and 331. Refer to the Catalog for descriptions of these courses.