

## Mathematics - Bioinformatics Guidesheet 2006-07

COURSE	COURSE TITLE	CREDIT	OFFERED	PREREQUISITE(S)
BIOL 1610/15	<i>General Biology I &amp; Lab</i>	4	F/S	ACT Sci of 23 or "C-" grade in BIOL 1010 & CHEM 1010 or BIOL 1620
BIOL 1620/25	<i>General Biology II &amp; Lab</i>	4	F/S/M	BIOL 1610/15
BIOL 3030/35	<i>Ecology &amp; Lab</i>	4	F/S	BIOL 1610/15 & BIOL 1620/25
BIOL 3060/65	<i>Genetics &amp; Lab</i>	4	F/S	BIOL 1610/15, BIOL 1620/25, MATH 1050 & CHEM 1210/15(or CHEM 1110/15)
BIOL 3110	<i>Evolution</i>	3	F/S	BIOL 3030/35 & BIOL 3060/65
BIOL 4990	<i>Seminar</i>	1	F/S	BIOL 3030/35 & BIOL 3060/65
CHEM 1210/15	<i>Principles of Chemistry I &amp; Lab</i>	5	F/M	MATH 1050 <b>or</b> H.S. Chemistry
CHEM 1220/25	<i>Principles of Chemistry II &amp; Lab</i>	5	S/M	"C" in CHEM 1210/15
CHEM 2310	<i>Organic Chemistry I</i>	4	F/M	"C" in CHEM 1220/25
CHEM 2320/25	<i>Organic Chemistry II &amp; Lab</i>	6	S/M	"C" in CHEM 2310
CHEM 4110	<i>Biochemistry I</i>	4	F	"C" in CHEM 2320/25 & BIOL 1610/15 or BIOL 1620/25
CSIS 1400	<i>Fundamentals of Programming</i>	3	F/S	MATH 1010 <b>or</b> ACT of 23
CSIS 1410	<i>Object Oriented Programming</i>	3	F/S	CSIS 1400
MATH 1050	<i>College Algebra</i>	4	F/S/M	"C" in MATH 1010 <b>or</b> ACT of 23
MATH 1060	<i>Trigonometry</i>	3	F/S/M	"C" in MATH 1010 <b>or</b> ACT of 23
MATH 1210	<i>Calculus I</i>	4	F/S/M	"C" in MATH 1050/60 or pre-college 2-1/2 yrs-Alg/1 yr-Geo/1/2 yr-Trig
MATH 1220	<i>Calculus II</i>	4	F/S	"C" in MATH 1210 <b>or</b> AP Calculus
MATH 1630	<i>Discrete Mathematics</i>	3	F/S	MATH 1050
MATH 2210	<i>Calculus III</i>	4	F/S	"C" in MATH 1220
MATH 2270	<i>Linear Algebra with Applications</i>	3	F/S	MATH 1210 & MATH 1220
MATH 2280	<i>Differential Equations</i>	3	S	MATH 1220 & MATH 2270
MATH 3120	<i>Foundations of Alg &amp; Analysis</i>	3	F/M	MATH 1220 & MATH 1630
MATH 3600	<i>Numerical Analysis</i>	3	S - even #yrs	MATH 2270 & knowledge of computer language
MATH 3700	<i>Probability &amp; Stats</i>	5	F	MATH 1220
MATH 3800	<i>Partial Differ. Equations &amp; Fourier</i>	4	F - odd #yrs	MATH 2270 & MATH 2280
MATH 3994	<i>Undergraduate Research</i>	4	F	approved through <b>faculty</b> advisor
MATH 4897	<i>Internship</i>	7	varies	approved through <b>faculty</b> advisor

Course offerings are subject to change without notification. Please confirm at [https://bannersec.suu.edu/pls/proddad/bwckschd.p\\_disp\\_dyn\\_sched](https://bannersec.suu.edu/pls/proddad/bwckschd.p_disp_dyn_sched)