

**Biological Engineering**  
2008-2009 Sample Study Program

Fall I

BioEn	1000	Intro to Bio Engineering	1
Math	1500	Calculus I	5
Chem	1320	General Chemistry II	3
Engr	1100	Engineering Design Graphics	2
Am. History or Am. Government			<u>3</u>
			14

Winter I

Engl	1000	Exposition	3
Math	1700	Calculus II	5
Biol	1500	Intro to Biological Systems	5
Econ	1014	Microeconomics	<u>3</u>
			16

Fall II

BioEn	2080	Programming for Engrs	3
Math	2300	Calculus III	3
Physics	2750	Univ. Physics I	5
Chem	2050	Organic Chemistry	<u>5</u>
			16

Winter II

BioEn	2000	Professional Development	2
Math	4100	Differential Equations	3
Physics	2760	Univ Physics II	5
Engr	1200	Statics	3
Comm	1200	Speech	<u>3</u>
			16

Fall III

BioEn	2180	Analysis of Bioprocesses	3
Thermodynamics			3
Fluid Mechanics			3
Technical Elective			3
Math, Statistics, Science, Engineering Elect.			3
Social or Behavioral Science			<u>3</u>
			18

Winter III

BioEn	3180	Heat & Mass Transfer	3
Stat	4710	Mathematical Statistics	3
Engr	2200	Strength of Materials	3
Bio-Science Elective			3
Humanity or Fine Art			<u>3</u>
			15

Fall IV

BioEn	4280	BioEngineering Techniques	3
BioEn	4980	Biological Engr Design	3
Technical Elective			3
Bio-Science Elective			3
Humanity or Fine Art			<u>3</u>
			15

Winter IV

BioEn	4380	Electronic Instrumentation	4
Technical Elective			3
Technical Elective			3
Technical Elective			3
Technical Elective			<u>3</u>
			16