

College of Health & Sciences

2009-2010 Biology - Molecular Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL	1-14 *	General Zoology or Botany	BIOL 2243 Introduction to Biotechnology
	---3 *	Communication** (Computer Literacy)	CHEM 1114 * General Chemistry I
ENG	1113 *	Freshman Composition I	ENG 1213 * Freshman Composition II
MATH	1513 *	College Algebra	KIN 2122 * Wellness or Nutrition FCS 1513
UNIV	1001 *	Freshman Seminar	---3 EHS 3703 Biostatistics OR
			MATH 2213 Intro Prob. And Stats OR
			SOC 3833 Stats for Social Science
14 TOTAL HOURS		15 TOTAL HOURS	

SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL	2345	General Microbiology	BIOL 3553 Genomics and Bioinformatics
CHEM	1214	General Chemistry II	BIOL ---3 Required Elective
	---3 *	Communication** (Speech or Language)	PHYS 1114 General Physics I
MATH	1713	Trigonometry OR	---3 * Humanities-Cultural/Human Diversity
		MATH 3583 Applied Statistics	PS 1113 * United States Government
15 TOTAL HOURS		16 TOTAL HOURS	

THIRD YEAR - JUNIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL	4313	Cell and Molecular Biology	BIOL 3634 Human Physiology
BIOL	---3	***Required Elective	BIOL 3434 Genetics
CHEM	3114	Organic Chemistry I	---3 * Humanities and Social Sciences**
HIST	24-3 *	United States History Survey**	---5 Minor or Elective (5 hours)
	---3 *	Humanities - Social Sciences**	
UNIV	3001 *	General Education Seminar	
17 TOTAL HOURS		16 TOTAL HOURS	

FOURTH YEAR - SENIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL	4765	Molecular Genetics	BIOL 4545 Advanced Molecular Biology
	---3 *	Humanities- Western Civilization**	BIOL 4881 Biology Senior Seminar
	---8	Minor or Elective (8 hours)	---9 Minor or Elective (9 hours)
16 TOTAL HOURS		15 TOTAL HOURS	

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

**See current catalog "General Education Requirements" for selection

***Minor required (16-21 hours)/Electives (6-11 hours)