

College of Health & Sciences

2012-2013 Biology - Molecular Biology 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

15-16 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)	(BIOL 2773, 3013, 3683 or 4113)
MATH 1713 Trigonometry OR	PHYS 1114 General Physics I
MATH 3583 Applied Statistics	---3 * Humanities-Cultural/Human Diversity
	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
---4 Minor or Elective (4 hours)***	BIOL 3434 Genetics
(BIOL 2184 or 3245 recommended)	---3 * Humanities and Social Sciences**
CHEM 3114 Organic Chemistry I	---5 Minor or Elective (5 hours)***
HIST 24-3 * United States History Survey**	
---3 * Humanities - Social Sciences**	
UNIV 3001 * General Education Seminar	

18 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
---4 Minor or Elective (4 hours)***	---9 Minor or Elective (9 hours)***
BIOL ---3 Required Elective	
(BIOL 2773, 3013, 3683 or 4113)	

15 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 (1-6 hours)