

College of Health & Sciences

2019-2020 Biology - Molecular Biology Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
BIOL 1114 *	General Biology	BIOL 1314 General Zoology	
---	3 * Communication** (Computer Literacy)	CHEM 1114 General Chemistry I	
ENG 1113 *	Freshman Composition I	ENG 1213 * Freshman Composition II	
MATH 1513 *	College Algebra	---	3 * Communication** (Speech or Language)
UNIV 1001 *	Freshman Seminar		

14 TOTAL HOURS

14 TOTAL HOURS

SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>			<u>Spring Semester</u>		
BIOL	2344	General Microbiology	BIOL	1214	General Botany
CHEM	1214	General Chemistry II	PS	1113 *	United States Government
MATH	2613	Calculus for Bus, Life and Soc Sci OR	CHEM	3114	Organic Chemistry I
		MATH 2825 Calc & Analytic Geometry I		---3 *	Humanities-Cultural/Human Diversity
PHYS	1114 *	General Physics I		---3	Electives (3 hours)

15-17 TOTAL HOURS

17 TOTAL HOURS

THIRD YEAR - JUNIOR

<u>Fall Semester</u>			<u>Spring Semester</u>			
BIOL	3434	Genetics OR BIOL 4313 Cell & Molecular Biology (BIOL 4313 needed for BIOL 4545)	}	BIOL	3013 Research Methods & Bioethics OR BIOL 4545 Adv Molecular Biology (only offered every other year)	}
BIOL	2184	Human Anatomy OR BIOL 3245 Comparative Vertebrate Anatomy		BIOL	3634 Human Physiology	
BIOL	---	3 Required Elective (BIOL 2243, 2773, 3553, 4763, 3623)		---	3 * Humanities-Western Civilization**	
	---	3 * Humanities- Social Sciences**	HIST	24-3	* United States History Survey**	
KIN	2122	* Wellness or Nutrition FCS 1513		---	3 One of the following: EHS 3703 Biostatistics MATH 2213 Intro Prob. And Stats SOC 3833 Stats for Social Science PSYCH 3833 Behavioral Science Statistics	

15-16 TOTAL HOURS

16-18 TOTAL HOURS

FOURTH YEAR - SENIOR

<u>Fall Semester</u>			<u>Spring Semester</u>		
BIOL	3434	Genetics OR	BIOL	3013	Research Methods & Bioethics OR
		BIOL 4313 Cell and Molecular Biology			BIOL 4545 Adv Molecular Biol
		(need both for graduation)			(offered every other year-need both for graduation)
	---	* Humanities and Social Sciences**	BIOL	4881	Biology Senior Seminar
CHEM	4213	Biochemistry	PHYS	1214	General Physics II
CHEM	4221	Biochemistry Lab	BIOL	---	Required Elective
BIOL	---	Required Elective			(BIOL 2243, 2773, 3553, 4763, 3623)
		(BIOL 2243, 2773, 3553, 4763, 3623)		---	Electives*** (3 hours)
	---	Electives*** (3 hours)			

16-17 TOTAL HOURS

14-16 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

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

***No Minor required/Electives (6-9 hours)