

College of Health & Sciences

2022-2023 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 MATH 2825 Calc & Analytic Geometry I	CHEM 3114 Organic Chemistry I
PHYS 1114 * General Physics I	---3 * Humanities-Cultural/Human Diversity
	---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 (<i>BIOL 2243, 2773, 3553, 4763, 3623</i>)	---3 * Humanities-Western Civilization**
---3 * Humanities- Social Sciences**	HIST 24-3 * United States History Survey**
KIN 2122 * Wellness or Basic Nutrition HHFS 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 4313 Cell and Molecular Biology } (need both for graduation)	BIOL 3013 Research Methods & Bioethics OR BIOL 4545 Adv Molecular Biol } (offered every other year-need both for graduation)
---3 * Humanities and Social Sciences**	BIOL 4881 Biology Senior Seminar
CHEM 4213 Biochemistry	PHYS 1214 General Physics II
CHEM 4221 Biochemistry Lab	BIOL ---3 Required Elective (<i>BIOL 2243, 2773, 3553, 4763, 3623</i>)
BIOL ---3 Required Elective (<i>BIOL 2243, 2773, 3553, 4763, 3623</i>)	---3 Electives*** (3 hours)
---3 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)