

BIOE 2016

7/1/2016

BIOLOGICAL SCIENCE GRADES 8-12

MAJOR REQUIREMENTS (90)

__ 3	BIO	201	General Biology I
__ 1	BIO	203	General Biology Lab I
__ 3	BIO	202	General Biology II
__ 1	BIO	204	General Biology Lab II
__ 3	BIO	322	Genetics
__ 2	BIO	341	Ethical Issues
__ 1	BIO	399	Intro to Bio Research
__ 2	BIO	400	Senior Research
__ 3	CHE	121	Gen College Chemistry I
__ 3	CHE	122	Gen College Chemistry II
__ 1	CHE	123	Gen College Chemistry Lab I
__ 1	CHE	124	Gen College Chemistry Lab II
__ 3	ESC	150	Earth Science
__ 1	ESC	151	Earth Science Lab
__ 4	PHY	201	Intro Physics I
__ 0	PHY	201	Intro Physics I Lab

Choose one Environmental Biology:

__ 4	BIO	217+219	Environmental Sci+ lab
	BIO	221+223	Ecology+ lab

Choose one Plant Biology:

	BIO	227+229	Aquatic/Wetland Bio+ lab
__ 4	BIO	272+274	Princ Plant Biology+ lab

Choose one Human Biology:

__ 4	BIO	211+213	Microbiology+ lab
	BIO	331+333	Human Anatomy+ lab

Choose 2 additional Biology electives not used above:

	BIO	211+213	Microbiology + lab
	BIO	262	Human Physiology
__ 3-4	BIO	280	Scientific Terminology
__ 3-4	BIO	331+333	Human Anatomy + lab
	BIO	352+354	Physiology + lab
	BIO	372+374	Cell & Molecular Biology + lab

Complete Education requirements:

__ 2	ED	200	Intro to Education
__ 1	ED	201	Struct Inquiry Clinical
__ 2	ED	220	Tech for Education
__ 2	ED	230	Human Growth/Development
__ 1	ED	301	Guided Inquiry Clinical
__ 3	ED	320	Exceptional Learner
__ 3	ED	385	Read/Writ Across Curriculum
__ 1	ED	401	Open Inquiry Clinical
__ 3	ED	405	Learning/Perform & Assess
__ 2	ED	410	Classroom Management
__ 3	ED	420	Secondary/P-12 Methods
__ 2	ED	428	Intervention for Differentiation
__ 12	ED	499	Student Teaching

Satisfy math proficiency for major:

__ 0 Met by Math test score of ACT 24 or old SAT 580 or comparable new SAT score of 24/580

OR

If MATH ACT/SAT Math test score is below ACT 24 or old SAT 580 or comparable new SAT score

Complete:

	MAT	111	College Algebra**
__ 3-4	MAT	112	Precalculus**
	MAT	132	Calculus for Business
	MAT	181	Calculus I+ lab

**Please note that MAT 111 and MAT 112 do NOT satisfy the Math Foundations requirement.

MAJOR plus FOUNDATIONS requirement of (39)

(4 hours science satisfied by required major courses; foreign language not required for bioe majors.)

Plus electives needed for the 124 hour degree requirement (5)