

Biology Education (6 – 12) Course Map

Year 1 Fall			Year 1 Spring		
Course	Title		Course	Title	
ENC 1101	Freshman Communication Skills I	3	ENC 1102	Freshman Communication Skills II	3
EDG 1072	College Success & Beyond	3	BSC 1011	General Biology II with lab (pre-req: C or higher in BSC 1010)	4
MAC 1147	Pre-Calculus Mathematics* OR	4	MAC 2311	Calculus I OR	4
MAC 2311	Calculus I**		MAC 2312	Calculus II	
BSC 1010	General Biology I with lab	4		Approved Humanities core course	3
Total semester hours		14	GLY 2001	Introduction to Earth & Space	3
*You need to score at least a 61 on the ALEKS test to take MAC 1147.			Total semester hours		17
**You need to score at least a 76 on the ALEKS test to take MAC 2311.			Year 1 Summer		
If you do not score at least a 61 on the ALEKS, you are not eligible for this major.			POS 2041	American National Government OR	3
			AMH 2020	US History: 1865 to present	
			AMH 2091	Introduction to African-American History	3
			CHM 1020	Fundamentals of Chemistry OR	4
			CHM 1045	General Chemistry with lab (pre-req: CHM 1025) OR	
			PCB 2033	Introduction to Ecology with lab (pre-req: BSC 1011 and lab)	
			Total semester hours		10
			Total hours Year 1		41
Year 2 Fall			Year 2 Spring		
PSY 2012	Introduction to Psychology	3	BSC 3926	Professional Development for Biology	3
PCB 3063C	General Genetics with lab (pre-req: C or higher in BSC 1011)	4	EDF 2085	Introduction to Diversity for Educators	3
EDF 1005	Introduction to the Teaching Profession with Field Experience (30 field hours)	3	EDF 3135	The Adolescent Learner	3
ETE 2210C	Introduction to STEM Education	3	MCB 3005C	Microbiology (non-majors) with lab	4
	Approved Humanities course	3	Total semester hours		13
Total semester hours		16	Total hours Year 2		29
Year 3 Fall			Year 3		
TLS 4081E	Instructional Survey for Teaching ESOL (with field 21 hours)	3	ZOO 4513	Animal Behavior (pre-req C or higher in BSC 1011 with lab)	3
BOT 3303	Plant Morphology with lab (pre-req: BSC 1011)	3	EDF 3430	Measurement and Evaluation of Educational Growth	3
RED 3333	Teaching Reading in the Content Areas (with field 10 hours)	3	SCE 4903	Special Topics in Science Education (co-req: SCE 3330) (30 field hours)	4
ESE 3341	Theory & Practice of Secondary Schools (with 49 field hours)	3	SCE 3330	Teaching Science in High School (co-req: SCE 4903)	3
Total semester hours		12	Total semester hours		13
			Total hours Year 3		25
Year 4 Fall			Year 4 Spring		
BOT 3503C	Plant Physiology	4	ESE 4943	Student Teaching in Secondary School (pre-req: successful completion of all other coursework) (with 280 field hours)	12
ETE 4212C	STEM Technology for K-12	3	Total semester hours		12
ESE 4930	Instructional Seminar in Secondary Education (with 85 field hours)	3	Total hours Year 4		25
MTG 2206	College Geometry	3	Total hours for degree		120
Total semester hours		13			