

PARADIGM
PROGRAM OF STUDY FOR BIOLOGY- BIOLOGY EDUCATION MAJORS
FRESHMAN YEAR

Fall Semester				Spring Semester			
FYA	101	Orientation to the Academy	1__	EN	102	English Composition II	3__
EN	101	English Composition I	3__	SPE	111	Fundamentals of Speech	3__
SS	101	African American Experience	3__	CH	110	Chemical Concepts	3__
MA	101	Intermediate Algebra	3__	CH	110L	Chemical Concepts Lab	1__
BY	101	General Biology	3__	MA	110	Pre-Calculus I	3__
BY	101L	General Biology Lab	1__	ED	209	Introduction to Teaching#	3__
HI	101	World Civilization	3__	PE	101-119	Physical Education	1__
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17				17			

SOPHOMORE YEAR

Fall Semester				Spring Semester			
ED	300	Technology for Teachers#	3__	BY	210	Zoology	3__
MA	111	Pre-Calculus II	3__	BY	210L	Zoology Lab	1__
ED	319	Educ of the Exceptional Child#	3__	MA	201	Analytic Geometry and Cal I	4__
BY	202	Botany	3__	CH	131	General Chemistry I	3__
BY	202L	Botany Lab	1__	CH	131L	General Chemistry I Lab	1__
PSY	301	Educational Psychology#	3__	ED	350	Foundations of Education#	3__
				BY	304	Genetics	3__
				BY	304L	Genetics Lab	1__
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16				19			

JUNIOR YEAR

Fall Semester				Spring Semester			
RE	211	Survey of World Religion	3__	FL	102	(French or Spanish or Arabic)	3__
CH	132	General Chemistry II	3__	ED	400	Materials and Meth of Teaching	2__
CH	132L	General Chemistry II Lab	1__	ED	421	M and M of Teaching Science	1__
BY	302	Cellular Biology	3__	CH	305	Organic Chemistry I	3__
BY	302L	Cellular Biology Lab	1__	CH	305L	Organic Chemistry I Lab	1__
FL	101	(French or Spanish or Arabic)	3__	ES	321	Environmental Science	3__
BY	305	Embryology	3__	ES	321L	Environmental Science Lab	1__
				ED	448	Classroom Management	3__
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17				17			

SENIOR YEAR

Fall Semester				Spring Semester			
ED	412	Reading in the Content Areas	3__	ED	450	Observation and Teaching	12__
ED	445	Eval and Measurement in Educ	3__	BY	449	Senior Seminar	1__
BY	405	Microbiology	3__	ED	449	Senior Seminar	1__
BY	405L	Microbiology Lab	1__				
BY	406	Molecular Biology and Genetic Engineering	3__				
BY	406L	Molecular Biology/Gen. Eng. Lab	1__				
BY	407	Biochemistry	3__				
BY	407L	Biochemistry Lab	1__				
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18				14			

Total Hours: 135

Required before entry into TEP