

PARADIGM

PROGRAM OF STUDY FOR BIOLOGY - GENERAL SCIENCE EDUCATION

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__	SS	101	African American Experience	3__
HI	101	World Civilization	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__
SPE	111	Fundamentals of Speech	3__				
PE	101-119	Physical Education	1__				
			18				16

SOPHOMORE YEAR

Fall Semester			Spring Semester				
BY	202	Botany	3__	BY	304	Genetics	3__
BY	202L	Botany Lab	1__	BY	304L	Genetics Lab	1__
BY	210	Zoology	3__	CH	132	General Chemistry II	3__
BY	210L	Zoology Lab	1__	CH	132L	General Chemistry II Lab	1__
MA	111	Pre-Calculus II	3__	MA	201	Analytic Geometry and Cal I	4__
ED	319	Exceptional Child#	3__	BY	302	Cellular Biology	3__
CH	131	General Chemistry I	3__	BY	302L	Cellular Biology Lab	1__
CH	131L	General Chemistry I Lab	1__	ED	300	Technology for Teachers#	3__
			18				19

JUNIOR YEAR

Fall Semester			Spring Semester				
PH	301	College Physics I	3__	PH	302	College Physics II	3__
PH	301L	College Physics I Lab	1__	PH	302L	College Physics II Lab	1__
PSY	301	Educational Psychology#	3__	ES	321	Environmental Science	3__
ED	350	Foundations of Education	3__	ES	321L	Environmental Science Lab	1__
BY	305	Embryology	3__	CH	306	Organic Chemistry II	3__
BY	305L	Embryology Lab	1__	CH	306L	Organic Chemistry II Lab	1__
CH	305	Organic Chemistry I	3__	ED	400	Materials and Meth of Teaching	2__
CH	305L	Organic Chemistry I Lab	1__	ED	421	M and M of Teaching Science	1__
			18	RE	211	Survey of World Religion	3__
							18

Summer Semester

ED	448	Classroom Management	3__
ED	445	Eval and Measurement in Educ	3__
			6

PARADIGM
PROGRAM OF STUDY FOR BIOLOGY - GENERAL SCIENCE EDUCATION

SENIOR YEAR

Fall Semester				Spring Semester			
BY	405	Microbiology	3__	ED	450	Observation and Teaching	12__
BY	405L	Microbiology Lab	1__	ED	449	Senior Seminar	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__				
ES	300	Scientific Writing	3__				
ED	412	Reading in the Content Areas	3__				
			18				13

Total Hours: 144

Required before entry into TEP