

DEPARTMENT OF EDUCATION & SCHOOL PSYCHOLOGY
Curriculum Content: Life Science
66-71 hours
OAE Test – Biology (007)

Course #	Course Title	Hours	Grade	Semester/Year
Introductory Biology Courses [12 credits]:				
Molecules & Cells [4 credits]:				
BL 155	Principles of Biology I	3		
BL 157	Principles of Biology Lab I	1		
Anatomy & Physiology: Plants and Animals [4 credits]:				
BL 156	Principles of Biology II	3		
BL 158	Principles of Biology Lab II	1		
Evolution & Biodiversity [4 credits]:				
BL 159	Principles of Biology III	3		
BL 160	Principles of Biology Lab III	1		
Additional Biology Courses [19 - 23 credits]:				
Molecules to Cell [6-8 credits]:				
BL 213	Genetics	4		Every Semester
BL 301	Introduction to Cell Biology	3		
BL 310/310L	Microbiology	4		Every Semester
BL 465	Molecular Genetics	3		
Cell to Organism – select only one [3 - 5 credits]:				
BL 350/350L	Vertebrate Anatomy & Lab	5		Spring
BL 360/360L	Human Physiology & Lab	4		Every Semester
BL 410	Medical Microbiology	3		
BL 420	Plant Physiology	3		Spring
BL 471	Immunology	3		Fall
BL 475	Endocrinology	3		Fall
Organism to Biosphere [10 credits]:				
BL 222	General Ecology	3		Every Semester
BL 224/224L	Terrestrial ecology	4		Fall
BL 331	Global Climate Change	3		Spring
BL 370	Evolution	3		Spring
BL 415	Introduction to Systematic Biology	3		Spring
BL 435/435L	Plant Ecology	4		Fall
BL 444/444L	Advanced Ecology	4		Fall
Required Support Courses (29 credits):				
CH 141/143	General Chemistry I & Lab	5		
CH 142/144	General Chemistry II & Lab	5		
CH 221/223	Organic Chemistry I & Lab	4		
CH 222/224	Organic Chemistry II & Lab	4		
MT 135	Calculus I & Analytic Geometry I	4		
MT 228	Statistics for the Biological Sciences	3		
PH 125/125L	General Physics I & Lab	4		Fall
Select One:				
PH 115/L	Environmental Earth Science & Lab	4		Fall
PH 206	Earth System Science	3		Spring '19, '21,
Plus				
PL 375	Philosophy of Science	3		

Revised 2018