



Eureka College 2019-2020 Catalog

Major in Biology

Complete 120 semester hours of graduation-eligible credit.

Biology Major		Gr	Cr
BIO141W	Principles of Biology I		4
BIO142	Principles of Biology II		4
BIO320	Microbiology		4
BIO360W	Genetics		4
Choose one of the following (Population Biology):			
<ul style="list-style-type: none"> BIO281 – Animal Behavior [3]^(Alt Yrs) BIO300W – Ecology [4]^(Alt Yrs) 			
Choose one of the following (Structure/Function):			
<ul style="list-style-type: none"> BIO242 – Introduction to Zoology [4]^(Alt Yrs) BIO325 – Immunology [4]^(Alt Yrs) BIO342 – Comparative Vertebrate Anat [4]^(Alt Yrs) BIO370 – Physiology [3]^(Alt Yrs) 			
Choose two of the following (Integrative):			
<ul style="list-style-type: none"> BIO421 – Biochemistry II [3]^(Alt Yrs) BIO430W – Developmental Biology [4]^(Alt Yrs) BIO466 – Organic Evolution [3]^(Alt Yrs) 			
Choose one of the following not used above:			
<ul style="list-style-type: none"> BIO241 – Introduction to Botany [4]^(Alt Yrs) BIO242 – Introduction to Zoology [4]^(Alt Yrs) BIO264 – Human Anatomy & Physiology II [4] BIO281 – Animal Behavior [3]^(Alt Yrs) BIO300W – Ecology [4]^(Alt Yrs) BIO325 – Immunology [4]^(Alt Yrs) BIO342 – Comparative Vertebrate Anat [4]^(Alt Yrs) BIO370 – Physiology [3]^(Alt Yrs) BIO380 – Contemporary Lab Science [4]^(Sporadic) BIO421 – Biochemistry II [3]^(Alt Yrs) BIO430W – Developmental Biology [4]^(Alt Yrs) BIO466 – Organic Evolution [3]^(Alt Yrs) 			
Required Supporting Courses			
CHM131	General Chemistry I		4
CHM132	General Chemistry II		4
CHM220	Organic Chemistry I		4
CHM321	Biochemistry		3
MAT121	Precalculus or MAT171 Calc I		4
MAT265	Quantitative Methods I		3
TOTAL			54

Additional Necessary Check (Due to Options)

- At least 32 credits of BIO prefix credit has been earned.

Complete one of the following options:		
<input type="radio"/> Completion of a second major:		
<input type="radio"/> Completion of a minor:		
<input type="radio"/> 12 Credits Outside of Major at 200+Level	Gr	Cr
TOTAL		

General Education Capabilities	Date Met
<i>Justice and Civic Responsibility [JCR]</i>	
<i>Aesthetic Sensibility [AS]</i>	
<i>Analytical Inquiry & Problem Solving [AIPS]</i>	
<i>Communication [CO]</i>	
<i>Health, Fitness, and Well-Being [HFWB]</i>	
<i>Intercultural Understanding [IU]</i>	
<i>Scientific Literacy [SL]</i>	
<i>Spiritual Engagement / Examined Life [SEEL]</i>	
<i>Sustainable Practices & Environmental Conscience [SP]</i>	
<i>Ethical Reasoning [ER]</i>	
ECC490 Ethical Reasoning Seminar	
TOTAL CAPABILITIES COMPLETED (Not Credits)	10

Writing Requirement	Gr	Cr
ENG103W Academic Writing & Research		3
ENG301W Adv. Academic Writing & Rsrch		3
BIO141W Principles of Biology I		-
BIO360W Genetics		-
TOTAL		6