



Eureka College 2018-2019 Catalog

Major in Mathematics

Complete 120 semester hours of graduation-eligible credit.

Mathematics Major		Gr	Cr
MAT171	Calculus w/ Analytic Geometry I		4
MAT271	Calculus w/ Analytic Geometry II		4
MAT272	Calculus w/ Analytic Geom III		4
MAT275	Differential Equations ^(Alt Yrs)		3
MAT280	Discrete Mathematics		3
MAT310	Probability and Statistics ^(Alt Yrs)		3
MAT315	Linear Algebra		3
MAT320	Abstract Algebra ^(Alt Yrs)		3
MAT340W	Foundations of Geometry ^(Alt Yrs)		3
MAT415	Real Analysis ^(Alt Yrs)		3
Choose one of the following:			
<ul style="list-style-type: none"> • CSC135 – Computer Science I • CSC165 – Computer Science II 			
			3
TOTAL			36

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
MAT340W Foundations of Geometry		-
Elective W Course		3
TOTAL		9