



# Eureka College 2019-2020 Catalog

## Major in Physical Science

Complete 120 semester hours of graduation-eligible credit.

Physical Science Major		Gr	Cr
CHM131	General Chemistry I		4
CHM132	General Chemistry II		4
CSC115	Intro to Database & Report <sup>(Alt Yrs)</sup>		3
CSC135	Computer Science I		3
ECO111	Principles of Macroeconomics		3
PHY220	General Physics I		4
PHY230	General Physics II		4
PHY335W	Thermodynam & Spectro <sup>(Alt Yrs)</sup>		3
PSC150	American Gov't (National)		3
Required Supporting Courses			
MAT171	Calculus w/ Analytic Geometry I		4
MAT271	Calculus w/ Analytic Geometry II		4
MAT272	Calculus w/ Analytic Geom III		4
MAT275	Differential Equations <sup>(Alt Yrs)</sup>		3
MAT310	Probability and Statistics <sup>(Alt Yrs)</sup>		3
MAT315	Linear Algebra		3
An additional 18 credits total must be taken at the University of Missouri – Kansas City to complete the degree, including two elective courses taken from upper-level (300 or above) Engineering courses at UM-KC.			
<b>TOTAL</b>			<b>71</b>

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
<b>TOTAL</b>		

General Education Capabilities	Date Met
<i>Justice and Civic Responsibility [JCR]</i>	
<i>Aesthetic Sensibility [AS]</i>	
<i>Analytical Inquiry &amp; 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 &amp; Environmental Conscience [SP]</i>	
<i>Ethical Reasoning [ER]</i>	
ECC490 Ethical Reasoning Seminar	
<b>TOTAL CAPABILITIES COMPLETED (Not Credits)</b>	<b>10</b>

Writing Requirement	Gr	Cr
ENG103W Academic Writing & Research		3
ENG301W Adv. Academic Writing & Rsrch		3
PHY335W Thermodynam & Spectro <sup>(Alt Yrs)</sup>		-
Elective <b>W</b> Course		3
<b>TOTAL</b>		<b>9</b>