



Eureka College

## MAJOR IN PHYSICAL SCIENCE

2017-2018 CATALOG

**REQUIREMENTS FOR A MAJOR IN PHYSICAL SCIENCE:** a minimum of 52 hours of coursework, plus 21 hours of required supporting courses, consisting of the following:

***All of the following:***

_____	CHM131 – General Chemistry I	4 hrs.
_____	CHM132 – General Chemistry II	4 hrs.
_____	CSC115 – Introduction to Database & Reports <sup>(Alt 2)</sup>	3 hrs.
_____	CSC135 – Computer Science I	3 hrs.
_____	ECO111 – Principles of Macroeconomics	3 hrs.
_____	PHY220 – General Physics I	4 hrs.
_____	PHY230 – General Physics II	4 hrs.
_____	PHY335W – Thermodynamics & Spectroscopy <sup>(Alt 2)</sup>	4 hrs.
_____	PSC150 – American Government (National)	3 hrs.

***Plus the following required supporting courses:***

_____	MAT171 – Calculus with Analytic Geometry I	4 hrs.
_____	MAT271 – Calculus with Analytical Geometry II	4 hrs.
_____	MAT272 – Calculus with Analytical Geometry III	4 hrs.
_____	MAT275 – Differential Equations <sup>(Alt 2)</sup>	3 hrs.
_____	MAT310 – Probability & Statistics <sup>(Alt 2)</sup>	3 hrs.
_____	MAT315 – Linear Algebra	3 hrs.

**Plus an addition 18 hours total must be taken at the University of Missouri – Kansas City to complete the degree, including two elective courses taken from the upper-level (300-level or higher) engineering courses at UM-KC.**

_____	_____	–	_____	_____	hrs.
_____	_____	–	_____	_____	hrs.
_____	_____	–	_____	_____	hrs.
_____	_____	–	_____	_____	hrs.
_____	_____3_____	–	_____	_____	hrs.
_____	_____3_____	–	_____	_____	hrs.

**Recommended elective courses (depending on engineering specialty at UM-KC):**

_____	BUA311 – Entrepreneurship	3 hrs.
_____	CHM220 – Organic Chemistry I	4 hrs.
_____	CHM250 – Quantitative Analysis	4 hrs.