



Eureka College

## MAJOR IN MATHEMATICS/TEACHER LICENSE

2016-2017 CATALOG

**REQUIREMENTS FOR A MAJOR IN MATHEMATICS/TEACHER LICENSE:** a minimum of 40 hours of coursework, consisting of the following:

*All of the following:*

_____	MAT171 – Calculus with Analytic Geometry I	4 hrs.
_____	MAT271 – Calculus with Analytic Geometry II	4 hrs.
_____	MAT272 – Calculus with Analytic Geometry III	4 hrs.
_____	MAT275 – Differential Equations <sup>(Alt 2)</sup>	3 hrs.
_____	MAT280 – Discrete Mathematics	3 hrs.
_____	MAT310 – Probability and Statistics <sup>(Alt 2)</sup>	3 hrs.
_____	MAT315 – Linear Algebra	3 hrs.
_____	MAT320 – Abstract Algebra <sup>(Alt 2)</sup>	3 hrs.
_____	MAT340W – Foundations of Geometry <sup>(Alt 2)</sup>	3 hrs.
_____	MAT415 – Real Analysis <sup>(Alt 2)</sup>	3 hrs.

*Plus one of the following:*

_____	CSC135 – Computer Science I	3 hrs.
_____	CSC165 – Computer Science II	3 hrs.

*Plus one of the following:*

_____	PHS110 – Introduction to Physical Science	4 hrs.
_____	PHS111 – Introduction to Earth Science	4 hrs.
_____	PHY_____ – Any Physics Course	4 hrs.

**Plus Content Area Standards & Professional Education Course Requirements (see CAS & Professional Education checklist for specific courses).**

**NOTES:**