



Eureka College 2024-2025 Catalog

Major in Mathematics

Complete 120 semester hours of graduation-eligible credit.
Minimum of 37 hours of major coursework.

| Mathematics Major | | Gr | Cr |
|-------------------|--|----|----|
| MAT131 | Intro to Mathematical Prgrmng [PR: MAT121 or MAT162] | | 3 |
| MAT171 | Calculus w/ Analytic Geometry I [PR: MAT121 or placement] | | 5 |
| MAT271 | Calculus w/ Analytic Geometry II [PR: MAT171] | | 4 |
| MAT272 | Calculus w/ Analytic Geom III [PR: MAT271] | | 4 |
| MAT275 | Differential Equations ^(Alt Yrs.) [PR: MAT271] | | 3 |
| MAT280 | Discrete Mathematics [PR: MAT171; rec PR: CSC135] | | 3 |
| MAT310 | Probability and Statistics ^(Alt Yrs.) [PR: MAT271] | | 3 |
| MAT315 | Linear Algebra [PR: MAT271] | | 3 |
| MAT320 | Abstract Algebra ^(Alt Yrs.) [PR: MAT280 or MAT315] | | 3 |
| MAT340W | Foundations of Geometry ^(Alt Yrs.) [PR: MAT271] | | 3 |
| MAT415 | Real Analysis ^(Alt Yrs.) [PR: MAT272 or MAT315] | | 3 |
| TOTAL | | | |

| 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 |
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| | | |
| | | |
| TOTAL | | |

| 10 Essentials | 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> | |
| ECC490W Ethical Reasoning Seminar | |

| Writing Requirement | Gr | Cr |
|---------------------------------------|----|-----------|
| ENG103W Academic Writing & Research | | 3 |
| ENG301W Adv. Academic Writing & Rsrch | | 3 |
| Elective <i>W</i> Course | | 3 |
| MAT340W Foundations of Geometry | | 3 |
| ECC490W Ethical Reasoning Seminar | | 3 |
| TOTAL | | 15 |

GRADUATION AUDIT



Name: _____

SONISID#: _____

Degree: _____

Catalog: 2024-2025 _____

Major 1: Mathematics _____

Major 2: _____

Minor: _____

Anticipated Graduation Date: _____

| Date | Major 1 GPA | Major 2 GPA | Minor 1 GPA | Minor 2 GPA | Cumulative GPA | Total Credits | Remedial Credits | Graduation Credits |
|------|----------------|----------------|----------------|----------------|-------------------|------------------|---------------------|-----------------------|
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Please review this audit with your academic advisor. Remember, you are responsible for knowing your degree requirements and keeping track of your progress toward graduation. Your advisor will provide guidance and advice. *Always consult your Eureka College Catalog for information about graduation requirements.*

- All GPA's (Major, Minor, and Cumulative) must be 2.0 or above to graduate.
- At least 120 semester hours of credit must be earned to graduate with a BA/BS.

Explanation of Notations

- A,B,C,D = requirement met by Eureka College credit
- T = requirement met by transfer credit
- Pr = requirement met by proficiency
- F1516 = letter indicates semester, numbers indicate academic year that course is in progress or registered (F = fall, S= spring, SU = summer)
- N/A = not applicable
- IAI = requirement met through IAI (Illinois Articulation Initiative)