

Erie Community College-Medaille College Cooperative Degree Program Curriculum Guide

Mathematics

Students who complete all the required courses in Erie Community College's **Liberal Arts and Sciences—Mathematics and Science program with the Math Interest** (0221) and who use their program electives as advised in this document can earn their B.S. at Medaille in four semesters of full-time study.

Core Curriculum Requirements

Transfer credits from ECC: (21)

Erie CC Courses

HI 101 American History I (3)

Select one humanities elective (3)

Select one designated science course (3-4)

EN 410 Public Speaking (3)

EN110 College Composition (3)

MT 181 Calculus /Analytical Geometry I (4)

MT 143 Introductory Statistics I (4)

Medaille Courses

GEN 220 A Global Perspective on Colonial North America (3)

GEN 230 Creative Expression (3)

GEN 240/240L Science Discovery/Lab (3)

SPE 130 Fundamentals of Public Speaking (3)

ENG 110 College Writing II (3)

MAT 251 Calculus I (3)

MAT 381 Statistics and Probability I (3)

Notes:

Students are required to use **one** of their **social science electives** to take HI 101, **one** of their **humanities electives** to take EN 410 and **one** to take an equivalent to GEN 230, and **one** of their **open electives** to select an ECC natural science course designated as equivalent to Medaille's GEN 240. See Master List of Transferable Courses for options.

Transfer students through this program are exempt from GEN 110 but are required to substitute an arts and sciences course in its place.

Credits to be completed at Medaille: (9)

ENG 200 Analytical Writing (3)

GEN 410 Baccalaureate Capstone I (3)

GEN 411 Baccalaureate Capstone II (3)

Mathematics

Use one social science elective to choose any one transferable courses from the following disciplinary designations: AN, EC, GP, GO, HI, PS, SO, or SS (the credits count toward the liberal arts and sciences category).

Laboratory Science electives: Choose CH 180/181 and CH 182/83 sequence or the PH 270/271 and PH 272/273 sequence (eight credits count toward the science elective component; the remaining .5 credit counts toward free electives).

MT 182, MT 283 and MT 284 fulfill major requirements (nine credits count toward the major; three credits toward free electives).

With their mathematics electives, students should select MT 143 (three credits count toward core requirements and one toward free electives) and MT 292 (three credits count toward the major and one toward free electives).

With their two liberal arts electives, students should select any one humanities discipline course and one course from any LAS discipline (credits counts as LAS electives).

With one open elective, students should select any transferable course in a social sciences discipline (credits count toward liberal arts and sciences component).

Note: EN 111 transfers as a humanities elective in the LAS component (substitute for GEN 110)

Summary of Mathematics Credits

General Education	21	9
Major (requirements and electives)	12	24
Arts and Sciences component	15	0
Science electives	8	0
Free electives	7	26
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	63	59