

**Ursuline College and
Cuyahoga Community College**

Associate of Science to Bachelor of Arts in Mathematics Transfer Pathway

Course selection/order may vary. All pathways are subject to change. Honors options are also accepted when available.

Semester One Curriculum

	Credit Hours	Ursuline Course Equivalency	Credit Hours
GEN 1070 First Year Success Seminar	1	Elective	1
OT36 Natural Science Elective with Lab- 1000 level or Higher	4	Science with Lab Requirement for Distribution Core	4
MATH- 1610 Calculus I	5	MAT 221 Calculus I	5
HIST-1510, HIST-1520, POL-1010, or POL-1020	3	History or Political Science Requirement for Distribution Core	3
ENG-1010 College Composition I	3	EN 123 College Composition	3
Semester Total	16		16

Semester Two Curriculum

Tri-C Course	Credit Hours	Ursuline Course Equivalency	Credit Hours
ENG-1020 College Composition II	3	EN 124 College Research	3
PSY 1010 General Psychology or SOC 1010 Introductory Sociology	3	Psychology or Sociology Requirement for Distribution Core	3
MATH 1620-Calculus II	5	MAT 222 Calculus II	5
PHYS 1210 College Physics I	4	Elective	4
Semester Total	15		15

Semester Three Curriculum

Tri-C Course	Credit Hours	Ursuline Course Equivalency	Credit Hours
MATH-2310 Calculus III	4	MAT 223 Calculus III	4
OT36 Art or Music	3	Art or Music Requirement for Distribution Core	3
MATH-2410 Introduction to Linear Algebra	3	MAT 313 Linear Algebra	3
PHYS 1220 College Physics II	3	Elective	3
Elective	3	Elective	3
Semester Total	16		16

Semester Four Curriculum

Tri-C Course	Credit Hours	Ursuline Course Equivalency	Credit Hours
MATH-2520 Differential Equations	3	MAT 324 Differential Equations	3
OT36 Natural Science Elective	4	Elective	3
OT36 English Literature Elective	3	EN Literature for Distribution Core	3
Elective	3	Elective	3
Elective	3	Elective	3
Semester Total	16		15

Tri-C Degree Attainment – Cumulative Total Credit Hours Earned: 63

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Student will have earned the Cuyahoga Community College Associate of Science at the conclusion of the above curriculum pathway.

Notes:

- Ursuline core requires student take courses that meet a culture designation of American (AM), Western (WE), and World (WO). With earned degree, student may not need to meet all three.

Semester Five Curriculum

	Ursuline Course	Credit Hours
	MAT 205 Discrete Mathematic I	3
	MAT 310 Number Theory	3
	MAT 212 Introduction to Statistics	3
	Philosophy elective (300-level)	3
	UC 201 Identity, Diversity & Community	3
	Semester Total	15

Semester Six Curriculum

	Ursuline Course	Credit Hours
	Religious Studies elective	3
	MAT 311 Abstract Algebra	3
	MAT 312 Higher Geometries	3
	Elective (EC 103 recommended)	3
	Elective	3
	Semester Total	15

Semester Seven Curriculum

	Ursuline Course	Credit Hours
	Religious Studies elective (300 level or Higher)	3
	MAT 350 Introduction to Analysis	3
	Choose <u>2</u> : MAT 206 Discrete Mathematics II MAT 412 Advanced Statistics MAT 420 History of Mathematics	6
	Elective	3
	Semester Total	15

Semester Eight Curriculum

	Ursuline Course	Credit Hours
	UC 401 Capstone Seminar	3
	MAT 401 Seminar	1
	Elective	3
	Elective	3
	Elective	3
	Semester Total	13

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Ursuline Degree Attainment – Cumulative Total Credit Hours Earned: 120

Student will have earned the Bachelor of Arts in Mathematics at the conclusion of the above curriculum pathway.

Notes:

- Student must complete 50% of their mathematics major core at Ursuline (seven (7) courses).
- Student must complete 120 credit hours to earn a degree at Ursuline College (includes transfer credits).
- A minimum of 30 credit hours must be completed at Ursuline to meet residency requirements for graduation.

Disclaimer: *The fluidity of these pathways is acknowledged. At each level changes are possible as requirements, courses, course numbers, etc. may change. All efforts have been made to confirm the accuracy of the pathway by each institution. Always be aware of the date of review on the document. Always seek the assistance of an Academic Advisor or Counselor.*