



## Degree Plan/Pathway Associate of Science (Mathematics pre-major) to Bachelor of Arts in Mathematics

2021-2022 Catalog

### Year 1

Course Number & Name	Credits
ENG1010/101H College Composition 1/Honors	3
MATH 1610/161H Calculus I	5
OT36 Natural Sciences Elective with Lab	4-5
OT36 Social and Behavioral Sciences Elective <i>Recommend PSY 1010</i>	3
<b>Total Credit Hours</b>	<b>15-16</b>

Course Number & Name	Credits
ENG1020/102H College Composition 2/Honors	3
MATH 1620/162H Calculus II	5
OT36 Natural Science Elective with Lab <i>Recommend BIO 1050 &amp; BIO 105L</i>	4
OT36 Arts and Humanities Elective <i>Recommend ART or MUSC</i>	3
<b>Total Credit Hours</b>	<b>15</b>

### Year 2

Course Number & Name	Credits
MATH 2310/231H Calculus III	4
OT36 Social and Behavioral Sciences Elective <i>Recommend HIST or POL</i>	3
MATH 2410 Introduction to Linear Algebra	3
OT36 Natural Sciences Elective	3-4
Elective	3
<b>Total Credit Hours</b>	<b>16</b>

Course Number & Name	Credits
MATH 2520 Differential Equations	3
OT36 Natural Sciences Elective	3-4
OT36 Arts and Humanities Elective <i>Recommend EN literature</i>	3
Elective	3
Elective	3
<b>Total Credit Hours</b>	<b>15</b>

**Associate of Science Degree Awarded**

This Transfer Pathway completes the Associate of Science degree, which must total at least 60 semester credits and includes 36 credits of the Ohio Transfer 36 (OT36, formerly OTM), which are approved Tri-C general education requirements. OT36 details can be found at <https://www.ohiohighered.org/Ohio-Transfer-36>

## Suggested Degree Plan at Ursuline College

### Year 3

Course Number & Name	Credits
UC 201 Identity, Diversity & Community	3
RS xxx	3
MAT 205 Discrete Mathematics I	3
MAT 310 Number Theory	3
Elective	3
<b>Total Credit Hours</b>	<b>15</b>

Course Number & Name	Credits
PH xxx (300 level or higher)	3
MAT 311 Abstract Algebra	3
MAT 312 Higher Geometries	3
Elective	3
Elective	3
<b>Total Credit Hours</b>	<b>15</b>

## Year 4

Course Number & Name	Credits
RS xxx (300 level or higher)	3
<b>MAT 350</b> Introduction to Analysis	3
<b>Choose 2:</b>	6
<b>MAT 206</b> Discrete Mathematics II	
<b>MAT 412</b> Advanced Statistics	
<b>MAT 420</b> History of Mathematics	
Elective	3
Elective	3
<b>Total Credit Hours</b>	<b>18</b>

Course Number & Name	Credits
<b>UC 401</b> Capstone Seminar	3
<b>MAT 401</b> Seminar	1
Elective	3
Elective	3
Elective	3
<b>Total Credit Hours</b>	<b>13</b>

### Bachelor of Arts Degree Awarded

*Ursuline College requires a minimum of 120 total credit hours for graduation. At least 50% of the students major must be completed as the residency requirement at Ursuline College. All Ursuline Core requirements, general requirements, and all requirements for the major must be completed along with a cumulative grade point of average of at least 2.0 for graduation. Students deficient in total credits, residency requirements, or in minimum cumulative grade point average must take additional elective credits to meet the minimum requirements.*

*Students who qualify under the Articulation Agreement with Tri-C may be eligible to have two distribution classes waived. Contact an admission counselor at Ursuline College to see if you qualify.*

*This pathway represents one example of how to complete the Associate and Bachelor degrees. Students should work closely with advisors at both institutions to discuss options.*

***This information is provided by both institutions solely for convenience and expressly disclaims any liability which may otherwise be incurred. This is neither a contract nor an offer to make a contract. While every effort has been made to ensure the accuracy of the information, each institution reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, or any other subject addressed herein.***

#### Ursuline Contact Information:

**Dr. Troy Clark**, Mathematics Department Chair  
[troy-clark@ursuline.edu](mailto:troy-clark@ursuline.edu)  
440.646.8395

**Laryn Runco**, Assistant Director, Transfer Admission  
[laryn.runco@ursuline.edu](mailto:laryn.runco@ursuline.edu)  
440.684.6059

**Dr. Elizabeth Kavran**, Dean  
[ekavran@ursuline.edu](mailto:ekavran@ursuline.edu)

Updated Nov. 2021