

## Degree Map

### Triton College *Associate in Arts* to EU *Bachelor of Science in Mathematics with Secondary Licensure*

<b>Triton College</b>		<b>Elmhurst University</b>	
Associate of Arts Degree Requirements	Credits		Credits
<b><u>General Education Core Curriculum Requirements:</u></b>	<b>40-42</b>	<b><u>Integrated Curriculum Equivalencies:</u></b>	
<b><u>Communication:</u></b>  <i>Written:</i> RHT 101 and 102 (Grade of "C" or higher required for both courses.)  <i>Oral:</i> SPE 101	<b>9</b>	<b><u>Writing &amp; Reasoning:</u></b>  ENG 105 Composition I ENG 106 Composition II  COM 213 Public Speaking	
<b><u>Mathematics:</u></b>  MAT 131 Calculus & Analytic Geometry I	<b>5</b>	<b><u>Mathematics:</u></b>  MTH 151 Calculus I	
<b><u>Physical &amp; Life Sciences:</u></b> Two courses required – Select one course from Life Sciences and one course from Physical Sciences.  <b><u>Life Sciences:</u></b>  <i>Biological Sciences:</i> 100, 101, 105, 150, 151 <i>Horticulture:</i> 125	<b>8-10</b>	<b><u>Physical &amp; Life Sciences:</u></b>  <b><u>Life Sciences:</u></b>  <i>Biology:</i> BIO 100 Principles of Biology, BIO 104 Human Biology, BIO 105 Environmental Biology, BIO 200 General Biology I, BIO 201 General Biology II <i>Horticulture:</i> Life Science Area of Knowledge	

## Degree Map

### Triton College *Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

<p><b><u>Physical Sciences:</u></b></p> <p><b><i>Astronomy:</i></b> 100, 101, 102</p> <p><b><i>Chemistry:</i></b> 100, 110, 140</p> <p><b><i>Geography:</i></b> 200,201</p> <p><b><i>Geology:</i></b> 101,102</p> <p><b><i>Physical Science:</i></b> 100, 141, 142</p> <p><b><i>Physics:</i></b> 100, 101, 106</p>		<p><b><u>Physical Sciences:</u></b></p> <p><b><i>Astronomy:</i></b> All equivalent to AST 212 Introduction to Astronomy</p> <p><b><i>Chemistry:</i></b> CHM 100 Chemistry in the Natural World, CHM 101 General Chemistry, CHM 211 Chemical Principles I *(note prerequisite)</p> <p><b><i>Geography:</i></b> GEO 105 Intro to Atmospheric Science, GEO 102 Earth System Science</p> <p><b><i>Geology:</i></b> GEO 102 Earth System Science,</p> <p><b><i>Physical Science:</i></b> GEO 102 Earth System Science, PHY 101 Physical Science, Physical Sciences Area of Knowledge</p> <p><b><i>Physics:</i></b> Physical Sciences Area of Knowledge, PHY-111 Introductory Physics I, PHY 121 General Physics I</p>	
--	--	--	--

## Degree Map

### Triton College *Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

<p><b><u>Humanities &amp; Fine Arts Requirements:</u></b> Select two Humanities courses and one Fine Arts course.</p> <p><b>Humanities:</b></p> <p><b>English:</b> 101, 102, 103, 105, 113, 114, 231</p> <p><b>Humanities:</b> 151, 152, 165, 170</p> <p><b>Philosophy:</b> 101, 103, 105, 113</p> <p><b>Fine Arts:</b></p> <p><b>Art:</b> 110, 111, 112, 114</p> <p><b>Mass Communication – Multimedia:</b> 151, 152</p> <p><b>Music:</b> 110, 216</p> <p><b>Speech:</b> 130</p>	<b>9</b>	<p><b><u>Humanities &amp; Fine Arts Equivalencies:</u></b></p> <p><b>Humanities:</b></p> <p>All <b>English</b> courses will meet the Literature Area of Knowledge within the Integrated Curriculum</p> <p><b>Humanities</b> 151 and 152 will meet the Literature Area of Knowledge, 165 will meet the Intercultural Global Engagement Tag and 170 will meet the Social and Political Analysis Area of Knowledge within the Integrated Curriculum</p> <p><b>Philosophy</b> 101, 103 and 113 will meet the Inquiry into Ethics and Justice Area of Knowledge and 105 will meet the Religious Studies in Context Area of Knowledge within the Integrated Curriculum</p> <p><b>Fine Arts Courses:</b></p> <p><b>Art:</b> ART 110 Art Appreciation, ART-341 Survey History of Western Art, ART-342 Survey History of Modern Art, Fine Arts Area of Knowledge</p> <p><b>MCM:</b> Fine Arts Area of Knowledge</p> <p><b>Music:</b> MUS-310 (Social and Political Analysis Area of Knowledge), Fine Arts Area of Knowledge</p> <p><b>Speech:</b> THE-227</p>	
--	----------	--	--

## Degree Map

### Triton College *Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

<p><b><u>Social &amp; Behavioral Sciences:</u></b></p> <p>Select 3 courses from at least two disciplines.</p> <p><b>Anthropology:</b> 103</p> <p><b>Geography:</b> 104, 105, 106</p> <p><b>History:</b> 121, 122, 141, 142, 151, 152, 156, 171, 172, 191, 192</p> <p><b>Political Science:</b> 120, 150, 151, 184</p> <p><b>Psychology:</b> 100*</p> <p><b>Sociology:</b> 131, 225</p> <p>* PSY 100 meets the prerequisite for Educational Psychology which is needed for the major. Therefore, PSY 100 is highly recommended in this category.</p>	<b>9</b>	<p style="text-align: center;"><b>Elmhurst University Equivalencies</b></p> <p>Completion of THREE courses in this category at Triton College satisfied Elmhurst University Integrated Curriculum requirements.</p>	
---	----------	---	--

## Degree Map

### Triton College *Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

<p><b><u>Prescribed General Electives:</u></b> Complete the following courses at Triton College:</p> <p>MTH 116 Math for Elementary School Teachers (3) MTH 117 Math for Elementary School Teachers (3) MTH 133 Calculus and Analytic Geometry II (5) MTH 235 Calculus and Analytic Geometry III (5)</p>	<b>16</b>	<p><b><u>Prescribed General Electives Equivalencies:</u></b></p> <p>MTH 325 Mathematical Concepts for Elementary Teachers I MTH 326 Mathematical Concepts for Elementary Teachers II MTH 152 Calculus II MTH 251 Calculus III</p>	
<p><b><u>Prescribed Licensure Electives:</u></b></p> <p>EDU 207 Introduction to Education (3) EDU 200 Introduction to Special Education (3) EDU 215 Educational Psychology (3)</p>	<b>9</b>	<p><b><u>Prescribed Education Program Admission Requirement Equivalencies:</u></b></p> <p>EDU 104 Cultural Foundations of Education in the U.S. EDU 223 Education of PK-12 Learners with Exceptionalities EDU 311 Educational Psychology</p>	
<p><b>Total Triton College Credits</b></p>	<b>65-67</b>	<p>Please note GPA requirements and a separate Department of Education, Teacher Education Program (TEP) application found at <a href="http://elmhurst.edu/eduadmission">elmhurst.edu/eduadmission</a> is required in addition to the college application.</p>	

## Degree Map

### Triton College *Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

	<p><b><u>Math Major Requirements:</u></b></p> <p>MTH 301 Discrete Mathematics (4)  MTH 331 Foundations of Geometry (4)  MTH 346 Statistics for Scientists (4)  MTH 361 Abstract Algebra (4)  MTH 362 Linear Algebra (4)  MTH 381 Real Analysis (4)  MTH 400 Research Methods in Mathematics (2)  MTH 451 Senior Paper (2)</p>	<b>28</b>
	<p><b><u>Licensure Requirements:</u></b></p> <p>SEC 100 Introductory Seminar Teaching as a Caring Profession (1)  SEC 300 Intermediate Seminar for teaching in Diverse &amp; Inclusive Schools (1)  SEC 310 Methods and Best Practices in Secondary Education (4)  TEL 317 Methods and Materials for Teaching ESL (3)  SEC 360 The Middle School: History, Philosophy, Organizational Structures, and Best Practices (4)  SEC 421 Theory and Practice for Building Academic Literacies in K-12 Classrooms (4)  MTH 440 Teaching of Secondary School Mathematics (4)  SEC 450 Advanced Seminar in Teacher Collaboration &amp; Professional Practice (1)  SEC 455 Student Teaching in Secondary and Middle Schools (12)</p>	<b>34</b>

*Degree Map*

*Triton College Associate in Arts to EU Bachelor of Science in Mathematics with Secondary Licensure*

	<p>**Please note –Students may need to add 1 extra semester hour of elective credit to meet graduation hour requirements of 128 hours with 58 of the 128 being completed at Elmhurst University.</p>	
	<p><b>Total Elmhurst University Credits</b></p>	<p><b>127- 129</b></p>