

## Degree Map

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

<b>Triton College</b>		<b>Elmhurst University</b>	
<b>Associate of Science Degree Requirements</b>	<b>Credits</b>		<b>Credits</b>
<b><u>General Education Core Curriculum Requirements:</u></b>	<b>39</b>	<b><u>General Education 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 MAT 133 Calculus & Analytic Geometry II	<b>10</b>	<b><u>Mathematics:</u></b>  MTH 151 Calculus I MTH 152 Calculus II	
<b><u>Physical &amp; Life Sciences:</u></b>  <b><u>Life Sciences:</u></b> BIS 150 Principles of Biology I  <b><u>Physical Sciences:</u></b> GEO 201 Physical Geography: Maps and Landforms -OR- PHS 100 Introduction to Earth Science	<b>8</b>	<b><u>Physical &amp; Life Sciences:</u></b>  <b><u>Life Sciences:</u></b> BIO 200 General Biology I  <b><u>Physical Sciences:</u></b> GEO 102 Earth System Science	

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<p><b><u>Humanities &amp; Fine Arts Requirements:</u></b> Select one Humanities course 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>6</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>
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<p><b><u>Social &amp; Behavioral Sciences:</u></b></p> <p>Select 2 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>	<p><b>6</b></p>	<p><b>Elmhurst University Equivalencies</b></p> <p>Completion of TWO courses in this category at Triton College satisfies Elmhurst University Integrated Curriculum requirements.</p>	
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<p><b><u>Prescribed General Electives:</u></b> Complete the following courses at Triton College:</p> <p>BIS 151 Principles of Biology II (4) PHY 106 General Physics (Mechanics) (4) PHY 107 General Physics (Electricity, Magnetism, &amp; Thermodynamics) (4) MAT 235 Calculus III (5) MAT 341 Differential Equations (3)</p>	<b>20</b>	<p><b><u>Prescribed General Electives Equivalencies:</u></b></p> <p>BIO 201 General Biology II PHY 121 General Physics I PHY 122 General Physics II</p> <p>MTH 251 Calculus III MTH 341 Differential Equations</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>EDU 104 Cultural Foundations of Education in the U.S. EDU/SEC 223 Education of PK-12 Learners with Exceptionalities EDU/SEC 311 Educational Psychology</p>	
<p><b>Total Triton College Credits</b></p>	<b>68</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>	

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	<p><b><u>Physics Major Requirements:</u></b></p> <p>PHY 304 Intermediate Physics (4)          PHY 305 Modern Physics of Atoms, Nuclei and Particles (4)          PHY 492 Independent Study (4)  <b>-OR-</b>          PHY 494 Independent Research (4)</p> <p><b>CHOOSE THREE</b> of the following:          PHY 311 Analytical Mechanics (4)          PHY 312 Electricity and Magnetism (4)          PHY 313 Thermodynamics (4)          PHY 414 Modern Optics (4)          PHY 421 Quantum Mechanics (4)</p>	<b>24</b>
	<p><b><u>Licensure Requirements:</u></b></p> <p>CHM 211 Chemical Principles I (4)          CHM 212 Chemical Principles II (4)          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)          SEC 450 Advanced Seminar in Teacher Collaboration &amp; Professional Practice (1)          SEC 440/441 The Teaching of Middle School Science/Secondary Science (4)</p>	<b>42</b>

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	SEC 455 Student Teaching in Secondary and Middle Schools (12)	
	<b>Total Elmhurst University Credits</b>	<b>134</b>