

Degree Map

Triton College *Associate in Science* to EU *Bachelor of Science in Chemistry with Licensure*

Triton College		Elmhurst University	
Associate in Science Degree Requirements	Credits		Credits
<u>General Education Core Curriculum Requirements:</u>	39	<u>General Education Equivalencies:</u>	
<u>Communication:</u> <i>Written:</i> RHT 101 and 102 (Grade of "C" or higher required for both courses.) <i>Oral:</i> SPE 101	9	<u>Writing & Reasoning:</u> ENG 105 Composition I ENG 106 Composition II COM 213 Public Speaking	
<u>Mathematics:</u> MAT 131 Calculus & Analytic Geometry I MAT 133 Calculus & Analytic Geometry II	10	<u>Mathematics:</u> MTH 151 Calculus I MTH 152 Calculus II	
<u>Physical & Life Sciences:</u> <u>Life Sciences:</u> BIS 150 Principles of Biology I <u>Physical Sciences:</u> GEO 201 Physical Geography: Maps and Landforms -OR- PHS 100 Introduction to Earth Science	8	<u>Physical & Life Sciences:</u> <u>Life Sciences:</u> BIO 200 General Biology I <u>Physical Sciences:</u> GEO 102 Earth System Science	

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<p><u>Humanities & Fine Arts Requirements:</u> Select one Humanities course and one Fine Arts course.</p> <p>Humanities:</p> <p>English: 101, 102, 103, 105, 113, 114, 231</p> <p>Humanities: 151, 152, 165, 170</p> <p>Philosophy: 101, 103, 105, 113</p> <p>Fine Arts:</p> <p>Art: 110, 111, 112, 114</p> <p>Mass Communication – Multimedia: 151, 152</p> <p>Music: 110, 216</p> <p>Speech: 130</p>	6	<p><u>Humanities & Fine Arts Equivalencies:</u></p> <p>Humanities:</p> <p>All English courses will meet the Literature Area of Knowledge within the Integrated Curriculum</p> <p>Humanities 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>Philosophy 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>Fine Arts Courses:</p> <p>Art: 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>MCM: Fine Arts Area of Knowledge</p> <p>Music: MUS-310 (Social and Political Analysis Area of Knowledge), Fine Arts Area of Knowledge</p> <p>Speech: THE-227</p>	
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<p><u>Social & Behavioral Sciences:</u></p> <p>Select 2 courses from at least two disciplines.</p> <p>Anthropology: 103</p> <p>Geography: 104, 105, 106</p> <p>History: 121, 122, 141, 142, 151, 152, 156, 171, 172, 191, 192</p> <p>Political Science: 120, 150, 151, 184</p> <p>Psychology: 100*</p> <p>Sociology: 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>6</p>	<p>Elmhurst University Equivalencies</p> <p>Completion of TWO courses in this category at Triton College satisfies Elmhurst University Integrated Curriculum requirements.</p>	
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<p><u>Prescribed General Electives:</u> Complete the following courses at Triton College:</p> <p>BIS 151 Principles of Biology II (4) CHM 140 General Chemistry I (5) CHM 141 General Chemistry II (5) CHM 234 Organic Chemistry I (5) CHM 235 Organic Chemistry II (5)</p>	24	<p><u>Prescribed General Electives Equivalencies:</u></p> <p>BIO 201 General Biology II CHM 211 Chemical Principles I CHM 212 Chemical Principles II CHM 311 Organic Chemistry I CHM 312 Organic Chemistry II</p>	
<p><u>Prescribed Licensure Electives:</u></p> <p>EDU 207 Introduction to Education (3) EDU 200 Introduction to Special Education (3) EDU 215 Educational Psychology (3)</p>	9	<p><u>Prescribed Licensure Electives Equivalencies:</u></p> <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>Total Triton College Credits</p>	72	<p>Please note GPA requirements and a separate Department of Education, Teacher Education Program (TEP) application found at elmhurst.edu/eduadmission is required in addition to the college application.</p>	

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	<p><u>Chemistry Major Requirements:</u></p> <p>CHM 221 Analytical Chemistry (4) CHM 412 Physical Chemistry: Quantum Mechanics & Spectroscopy (4) CHM 413 Physical Chemistry: Thermodynamics, Kinetics, & Statistical Mechanics (4) CHM 420 Chemical Instrumentation I (3) CHM 421 Chemical Instrumentation II (2) CHM 494 Chemistry Research (2) CHM 496 Chemistry Research Seminar I (1) CHM 497 Chemistry Literature Seminar I (1) CHM 498 Chemistry Literature Seminar II (1) CHM 499 Chemistry Research Seminar II (1) CHM 3XX/4XX Upper Level Chemistry Elective (4) CHM 3XX/4XX Upper Level Chemistry Elective (4) CHM 3XX/4XX Upper Level Chemistry Elective (4)</p>	43
	<p><u>Licensure Requirements:</u></p> <p>PHY 121 General Physics I (4) PHY 122 General Physics II (4) SEC 100 Introductory Seminar Teaching as a Caring Profession (1) SEC 300 Intermediate Seminar for teaching in Diverse & 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 & Professional Practice (1)</p>	42

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	SEC 440/441 The Teaching of Middle School Science/Secondary Science (4) SEC 455 Student Teaching in Secondary and Middle Schools (12)	
	Total Elmhurst University Credits	157