

Degree Map
COD Associate in Science to EU Bachelor of Science in Chemistry with Licensure

College of DuPage		Elmhurst University	
Associate of Science Degree Requirements	Credits		Credits
<u>General Education Core Curriculum Requirements:</u>	41	<u>General Education Equivalencies:</u>	
<u>Communication:</u> <i>Written:</i> ENGLI 1101 and 1102 (Grade of "C" or higher required for both courses.) <i>Oral:</i> SPEEC 1100	9	<u>Writing & Reasoning:</u> ENG 105 Composition I ENG 106 Composition II COM 213 Public Speaking	
<u>Mathematics:</u> MTH 2231 Calculus I MTH 2232 Calculus II	10	<u>Mathematics:</u> MTH 151 Calculus I MTH 152 Calculus II	
<u>Physical & Life Sciences:</u> <u>Life Sciences:</u> BIOLO 1151 Principles of Biological Science I <u>Physical Sciences:</u> CHEMI 1551 Principles of Chemistry I	10	<u>Physical & Life Sciences Equivalencies:</u> <u>Life Sciences:</u> BIO 200 General Biology I <u>Physical Sciences:</u> CHM 211 Chemical Principles I	

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<p><u>Humanities & Fine Arts Requirements:</u> Select one course from the Humanities selection and one course from the Fine Arts selection.</p> <p>Humanities:</p> <p>English 1130, 1150, 1151, 1152, 1153, 1159, 1160, 1165, 2220, 2221, 2223, 2224, 2226, 2227, 2228, 2262</p> <p>History 1110, 1120, 1160, 2205, 2220, 2225, 2230, 2235</p> <p>Humanities 1102, 1103</p> <p>Philosophy 1100, 1110, 1116, 1050, 2010, 2011</p> <p>Religious Studies 1100, 1110, 1120, 1150, 2160</p> <p>Fine Arts:</p> <p>Art 1100, 2211, 2212, 2213, 2214</p> <p>English 1135</p> <p>Humanities 1101</p> <p>Music 1100, 1104, 1115</p> <p>Theater 1100</p>	6	<p><u>Humanities & Fine Arts Equivalencies:</u></p> <p>Humanities:</p> <p>All English courses listed meet the Literature Area of Knowledge</p> <p>All History courses listed meet the Historical Analysis Area of Knowledge</p> <p>Inquiry into Ethics and Justice Area of Knowledge, Literature Area of Knowledge</p> <p>All Philosophy classes except for PHILO 1150 meet the Inquiry into Ethics and Justice Area of Knowledge.</p> <p>PHILO 1150 and all Religious Studies courses meet the Religious Studies in Context Area of Knowledge.</p> <p>Fine Arts Courses:</p> <p>Art 1100 meets the Fine Arts Area of Knowledge, the other Art courses meet the Historical Analysis Area of Knowledge,</p> <p>English 1135 meets the Fine Arts Area of Knowledge</p> <p>Music 1100 and 1104 meet the Fine Arts Area of Knowledge. Music 1115 meets the Social and Political Analysis Area of Knowledge</p> <p>Theater 1100 meets the Fine Arts Area of Knowledge</p>
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<p><u>Social & Behavioral Sciences:</u></p> <p>Select two courses two different disciplines.</p> <p>Anthropology: 1000, 1100</p> <p>Geography: 1100, 1105, 1130</p> <p>History: 1130, 1140, 2210, 2215, 2260</p> <p>Political Science: 1100, 1101, 2203, 2220</p> <p>Psychology: 1100*</p> <p>Sociology: 1120, 2210, 2215</p> <p>*PSYCH 1000 meets the prerequisite for Educational Psychology which is needed for the major at Elmhurst University. Therefore, PSYCH 1000 is highly recommended in this category.</p>	<p>6</p>	<p style="text-align: center;">Elmhurst University Equivalencies</p> <p>Completion of THREE courses in this category at College of DuPage satisfies Elmhurst University Integrated Curriculum requirements.</p>	
<p><u>Prescribed General Electives:</u></p> <p>BIOLO 1152 Principles of Biological Science II CHEMI 1552 Principles of Chemistry II CHEMI 2551 Organic Chemistry I CHEMI 2552 Organic Chemistry II</p> <p>EARTH 1101 Physical Geology of Earth's Interior - OR - EARTH 1102 Physical Geology of Earth's Surface - OR - EARTH 1122 Astronomy: The Solar System</p>	<p>24</p>	<p><u>Prescribed General Electives:</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>GEO 102 Earth System Science GEO 102 Earth System Science AST 212 Introduction to Astronomy</p>	

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Total AS College of DuPage Credits	65		
<u>Additional College of DuPage Credits</u> * Students using financial aid must complete the Associate of Science degree requirements prior to taking the additional electives listed below. Students should communicate with advising and financial aid offices regarding this guideline.			
<u>Prescribed Licensure Electives:</u> EDUCA 1100 Introduction to Education EDUCA 2220 Instructional Psychology EDUCA 2201 Education for Exceptional Children	9	<u>Teacher Education Program Admission Requirements:</u> EDU 104 Cultural Foundations of Education in the U.S. EDU/SEC 311 Educational Psychology EDU/SEC 223 Education of PK-12 Learners with Exceptionalities	
Total Additional College of DuPage Credits	9		
Total College of DuPage Credits	74	Please note GPA requirements and a separate Department of Education application found at elmhurst.edu/eduadmission is required in addition to the college application.	

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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> <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)</p>	<p>43</p> <p>42</p>
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		SEC 450 Advanced Seminar in Teacher Collaboration & Professional Practice (1) 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	159