

Degree Map

COD Associate in Arts to EU Bachelor of Science in Mathematics with Licensure

College of DuPage		Elmhurst University	
	Credits		Credits
Associate in Arts Degree Requirements			
<u>General Education Core Curriculum Requirements:</u>	45-47	<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> Choose one Life Science and one Physical Science. <u>Life Sciences:</u> <i>Biology:</i> 1100, 1110, 1151 <u>Physical Sciences:</u> <i>Chemistry:</i> 1105, 1211, 1551 <i>Earth Science:</i> 1101, 1102, 1110, 1115, 1122, 1124, 1126, 1130, 1140 <i>Physics:</i> 1100, 1201, 2111	8-10	<u>Physical & Life Sciences Equivalencies:</u> <u>Life Sciences:</u> BIO 100 Principles of Biology, BIO 105 Environmental Biology, BIO 200 General Biology I <u>Physical Sciences:</u> Chemistry: CHM 100 Chemistry in the Natural World, CHM 101 General Chemistry, CHM 211 Chemical Principles I Earth Science: GEO 102 Earth System Science, GEO 105 Intro to Atmospheric Science, PHY 212 Intro to Astronomy Physics: Physical Sciences Area of Knowledge, PHY-111 Introductory Physics I, PHY 121 General Physics I	

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<p><u>Humanities & Fine Arts Requirements:</u> Select three courses total from the list. One must be from Humanities and one from Fine Arts.</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>	9	<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, 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 & 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 three courses two different disciplines.</p> <p><i>Anthropology:</i> 1100, 1130 <i>Geography:</i> 1100, 1105 <i>History:</i> 1130, 1140*, 2210, 2215, 2260* <i>Political Science:</i> 1100, 1101, 2203, 2220 <i>Psychology:</i> 1100** <i>Sociology:</i> 1100, 1120, 2210, 2215</p> <p>*Only one course within each group may apply toward general education core: HISTO 1140 or 2260</p> <p>**PSYCH 1100 meets the prerequisite for Educational Psychology which is needed for the major at Elmhurst University. Therefore, PSYCH 1100 is highly recommended in this category.</p>	9	<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>MATH 1322 Mathematics for Elementary School Teachers II (3) MATH 2215 Discrete Mathematics (3) MATH 2233 Calculus and Analytic Geometry III (4) MATH 2245 Linear Algebra (4)</p>	14	<p><u>Prescribed General Elective Equivalencies:</u></p> <p>MTH 326 Mathematical Concepts for Elementary Teachers II MTH 301 Discrete Mathematics MTH 251 Calculus III MTH 362 Linear Algebra</p>	
<p><u>TOTAL AA College of DuPage Credits</u></p>	59-61		

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<p><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.</p>			
<p><u>Prescribed Licensure Electives:</u></p> <p>EDUCA 1100 Introduction to Education EDUCA 2220 Instructional Psychology EDUCA 2201 Education for Exceptional Children</p>	9	<p><u>Teacher Education Program Admission Requirements:</u></p> <p>EDU 104 Cultural Foundations of Education in the U.S. EDU 311 Educational Psychology EDU 223 Education of PK-12 Learners with Exceptionalities</p>	
<p>Total Additional College of DuPage Credits</p>	9		
<p>Total College of DuPage Credits (AA and Additional)</p>	68-70	<p>Please note GPA requirements and a separate Department of Education application found at elmhurst.edu/eduadmission is required in addition to the college application.</p>	

		<p><u>Math Major Requirements:</u></p> <p>MTH 331 Foundations of Geometry (4) MTH 346 Statistics for Scientists (4) MTH 361 Abstract Algebra (4) MTH 381 Real Analysis (4) MTH 400 Research Methods in Mathematics (2) MTH 451 Senior Paper (2)</p>	20
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		<p><u>Licensure Requirements:</u></p> <p>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) MTH 440 Teaching of Secondary School Mathematics (4) SEC 450 Advanced Seminar in Teacher Collaboration & Professional Practice (1) SEC 455 Student Teaching in Secondary and Middle Schools (12)</p> <p>**Please note – the degree map currently totals 122-124 credits and therefore, students will need to add 4-6 semester hours of elective credit to meet graduation hour requirements.</p>	34
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		Total Elmhurst University Credits	122- 124