2+2 Academic Plan
COD Associate in Arts to EU Bachelor of Science in Mathematics with Licensure

College of DuPage	Credits	Elmhurst University	Credits
Associate in Arts Degree Requirements			
General Education Core Curriculum:	**45-47**	**Integrated Curriculum Equivalencies:**	
Communication: **Written:** ENGLI 1101 and 1102 (Grade of "C" or higher required for both courses.) **Oral:** SPEEC 1100	9	**Writing & Reasoning:** ENG 105 Composition I ENG 106 Composition II COM 213 Public Speaking	
Mathematics: MTH 2231 Calculus I MTH 2232 Calculus II	10	**Mathematics:** MTH 151 Calculus I MTH 152 Calculus II	

College of DuPage	Credits	Elmhurst University	Credits
Physical & Life Sciences: Choose 1 Life & 1 Physical Science **Life Sciences:** **Biology:** 1100, 1110, 1151 **Physical Sciences:** **Chemistry:** 1105, 1211, 1551 **Earth Science:** 1101, 1102, 1110, 1115, 1122, 1124, 1126, 1130, 1140 **Physics:** 1100, 1201, 2111	8-10	**Physical & Life Sciences Equivalencies:** **Life Sciences:** BIO 100 Principles of Biology, BIO 105 Environmental Biology, BIO 200 General Biology I **Physical Sciences:** **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	

Humanities & Fine Arts Requirements:	9	**Humanities & Fine Arts Equivalencies:**	
Select three courses total from the list. One must be from Humanities and one from Fine Arts.			
		Humanities:	
Humanities:		All English courses listed meet the Literature Area of Knowledge	
English 1130, 1150, 1151, 1152, 1153, 1159, 1160, 1165, 2220, 2221, 2223, 2224, 2226, 2227, 2228, 2262			
		All History courses listed meet the Historical Analysis Area of Knowledge	
History 1110, 1120, 1160, 2205, 2220, 2225, 2230, 2235			
		Inquiry into Ethics and Justice Area of Knowledge, Literature Area of Knowledge	
Humanities 1102, 1103			
Philosophy 1100, 1110, 1116, 1050, 2010, 2011		All Philosophy classes except for PHILO 1150 meet the Inquiry into Ethics and Justice Area of Knowledge.	
Religious Studies 1100, 1110, 1120, 1150, 2160		PHILO 1150 and all Religious Studies courses meet the Religious Studies in Context Area of Knowledge.	
		Fine Arts Courses:	
Fine Arts:			
Art 1100, 2211, 2212, 2213, 2214		Art 1100 meets the Fine Arts Area of Knowledge, other Art courses meet the Historical Analysis Area of Knowledge	
English 1135		English 1135 meets the Fine Arts Area of Knowledge	
Humanities 1101			
Music 1100, 1104, 1115		Music 1100 and 1104 meet the Fine Arts Area of Knowledge. Music 1115 meets the Social & Political Analysis Area of Knowledge	
Theater 1100		Theater 1100 meets the Fine Arts Area of Knowledge	

	9		
Social & Behavioral Sciences: Select three courses two different disciplines. ***Anthropology:*** 1100, 1130 ***Geography:*** 1100, 1105 ***History:*** 1130, 1140*, 2210, 2215, 2260* ***Political Science:*** 1100, 1101, 2203, 2220 ***Psychology:*** 1100** ****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. ***Sociology:*** 1100, 1120, 2210, 2215		**Elmhurst University Equivalencies** Completion of THREE courses in this category at College of DuPage satisfies Elmhurst University Integrated Curriculum requirements.	
Prescribed General Electives: MATH 2115 Discrete Mathematics (3) **– OR –** MATH 2300 Mathematical Proof (3) MATH 2233 Calculus and Analytic Geometry III (4) MATH 2245 Linear Algebra (4) **Prescribed Licensure Electives:** EDUCA 1100 Introduction to Education (3) EDUCA 2220 Instructional Psychology (3) EDUCA 2201 Education for Exceptional Children (3)	20	**Prescribed General Elective Equivalencies:** MTH 301 Discrete Mathematics MTH 251 Calculus III MTH 362 Linear Algebra	

TOTAL AA College of DuPage Credits	**65-67**		
Additional College of DuPage Credits * Students using financial aid must complete the Associate of Arts degree requirements prior to taking the additional electives listed below. Students should communicate with advising and financial aid offices regarding this guideline.		A separate School of Education: Teacher Education Program application found at https://www.elmhurst.edu/academics/departments/education/admission-requirements/secondary-education/ is required in addition to the university application. Please also note the cumulative 2.75 GPA requirement.	
		Mathematics Major Requirements: MTH 326 Mathematical Concepts for Elementary Teachers II (2) 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)	**22**
		Licensure Requirements: 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 The Teaching of Middle School and Secondary School Mathematics (4)	**40-42**

		SEC 450 Advanced Seminar in Teacher Collaboration & Professional Practice (1) SEC 455 Student Teaching in Secondary and Middle Schools (12)	
Total Elmhurst University Credits			**128**

* This academic plan is designed to be completed within four years. Please note that if developmental courses or prerequisites are required to access the courses listed in this plan, the overall completion timeframe may be extended.