Mathematics Secondary Education, B.S. at Aurora University

Elgin Community College Associate in Arts (A.A.) or Associate in Science (A.S.) Degree

First Year – Semester I (14 S.H.)

ECC	AU
ENG101 English Composition I (3)	ENG1000 Composition
MTH190 Calculus with Analytic Geometry I(5)	MTH2210 Calculus I
PSY100 Introduction to Psychology (3)	PSY1100 General Psychology
EDN100 Introduction to Education (3)	EDU2100 Foundations of Teaching and Learning

First Year – Semester II (15-16 S.H.)

ECC	AU
CMS101 Fundamentals of Speech (3)	COM1550 Professional Communication
MTH210 Calculus with Analytic Geometry II (5)	MTH2220 Calculus II
PSY212 Child Psychology (3)	PSY3350 Child and Adolescent Psychology
EDN204 Exceptional Individual (3)	SPED2120 Characteristics/Identification of Disabilities & The Law

Second Year – Semester I (17 S.H.)

Summer Term (3-5 S.H.)

ECC	AU
IAI Physical Science Course (3-5)	Elective

Second Year – Semester I (18 S.H.)

ECC	AU
ENG102 English Composition II (3)	ENG elective
IAI Humanities Course (3)	Elective
PSY211 Educational Psychology (3)	EDU2260 Learning Theories and Applications K-12
CIS121 Computer Science I (4)	CSC1700 Introduction to Computer Programming
MTH230 Calculus with Analytic Geometry III (5)	MTH2230 Calculus III

Second Year – Semester II (15-16 S.H.)

ECC	AU
CIS127 Discrete Structures (3)	MTH3270 Discrete Mathematics
IAI Fine Arts Course (3)	Elective
IAI Social and Behavioral Sciences (3)	Elective
IAI Life Science Course (3-4)	Elective
IAI Humanities or Fine Arts Course (3)	Elective
Total Semester Hours Completed after Year 2	**65 Semester Hours**

Please note you may also need to complete other requirements

Students who transfer with an A.A or A.S. will also need to have completed at least 60 semester hours.

Our majors are intentionally designed to allow you to minor and still complete your degree quickly.

Mathematics Secondary Education
Bachelor of Science

Year 3 suggestions

AU Course Number	AU Course Title	Semester Hours
IDS3500	Junior Mentoring	1
EDU3620	Teaching and Assessing Diverse Learners in the Secondary Classroom	4
EDU3720	Reading Across the Curriculum	4
MTH3240	Probability and Statistics I	4
MTH3250	Linear Algebra	4
MTH3320	Modern Geometry	4
SPED4620	Collaboration Models for Inclusion	4
SOEHP requirements	School of Education application and Statement of Understanding	
SOEHP requirements	Fingerprinting/Criminal Background Check in Kane County and TB test	
SOEHP requirements	ISBE Content Exam	
SOEHP requirements	Must apply for student teaching a year in advance	
	Total Year 3 Semester Hours	**25**

Year 4 Suggestions

MTH3720	Mathematics for the Secondary Classroom	4
MTH/CSC3820	Secondary Methods in Mathematics and Computer Science	4
MTH4260	Number Theory	4
MTH4450	Abstract Algebra	4
EDU4750	Student Teaching	13
EDU4760	Student Teaching Seminar	2
	Total Year 4 Semester Hours	**31**
	Total Semester Hours Completed at AU	**56**
	Total Semester Hours Completed at ECC	**65**
	Total Semester Hours for B.A. Elementary Education	**121**