

MAJOR: MATHEMATICS

Student: _____ E-number: _____ Catalog Year: _____

General Education Requirements

Language
(9 hrs, C or better required)

Course	Hours	Grade	Semester
ENG 1001G			
ENG 1002G			
CMN 1310G			

Social/Behavioral Sciences
(9 hrs, two disciplines required)

Course	Hours	Grade	Semester

Scientific Awareness
(7 hrs, biological and physical required; lab required)

Course	Hours	Grade	Semester
Biological			
Physical			
Lab			

Humanities/Fine Arts
(9 hrs, two areas required)

Course	Hours	Grade	Semester
Humanities			
Fine Arts			
Humanities/Fine Arts			

Mathematics - completed in major

Senior Seminar

Course	Hours	Grade	Semester

Foreign Language Exempt ___Yes ___No
if not foreign language exempt, then must complete two semesters of a single language

Course	Hours	Grade	Semester

Graduation Requirements

	120 semester hours
	40 hrs of upper division courses
	2.00 Cumulative GPA
	2.00 Major GPA
	42 hrs in residence at EIU
	32 hrs junior/senior residency
	12 hrs senior residency
	Cultural Diversity

Electronic Writing Portfolio

	EWP 1
	EWP 2

Notes:

Degree Core Courses (43-44 hrs)

Course	Prerequisites	Hours	Grade	Semester
MAT 1441G (F, S) – Calculus and Analytic Geometry I	check catalog	5		
MAT 2442 (F, S) – Calculus and Analytic Geometry II	MAT 1441G	5		
MAT 2443 (F, S) – Calculus and Analytic Geometry III	MAT 2442	4		
CSM 1000 (F, S) – Intro to Computer Science -or- CSM 2170 (F, S) – Computer Science I	none MAT 1441G (co-req)	3 4		
MAT 2800 (F) – Foundations of Mathematics	MAT 1441G (co-req)	3		
MAT 3501 (S) – Differential Equations I	MAT 2442	3		
MAT 3701 (F) – Probability and Statistics I	MAT 2442	3		
MAT 3530 (S) – Abstract Algebra	MAT 2800	4		
MAT 4760 (F) – Linear Algebra	MAT 3530	4		
MAT 4700 (S) – Seminar	MAT 3530, MAT 4760	2		
MAT 4855 (S) – Introduction to Topology	MAT 3530	3		
MAT 4860 (F) – Mathematical Analysis	MAT 2443, MAT 3530	4		

Major Electives (9 hrs)

Course	Hours	Grade	Semester

Consult catalog for potential elective MAT and CSM courses. Electives must be 3000+ level, with at least three semester hours at the 4000+ level. .

Additional Electives from any field needed to complete 40 upper level hours and the 120 SH graduation requirement-

Notes: