MAJOR: COMPUTER SCIENCE

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 course

Electronic Writing Portfolio

	EWP 1
	EWP 2

Notes:

Degree Core Courses (66 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 2550 (F, S) – Linear Algebra	MAT 1441G	3		
MAT 2345 (S) – Discrete Mathematics	MAT 1441G	3		
MAT 3701 (F) – Probability and Statistics I	MAT 2442	3		

Course	Prerequisites	Hours	Grade	Semester
+CSM 1000 (F, S) – Intro to Computer Science		3		
CSM 2170 (F, S) – Computer Science I	MAT 1441G (co-req)	4		
CSM 2670 (F, S) – Computer Science II	CSM 2170	4		
CSM 3570 (F) – Numerical Analysis	CSM 2170, MAT 2550	3		
CSM 3670 (F) – Computer Systems	CSM 2670	3		
CSM 3870 (F) – Data Structures	MAT 2345, CSM 2670	3		
CSM 3770 (S) – Combinatorial Computing	MAT 2345	3		
MIS 4700 (F) – Advanced Networking	CSM 3870	3		
MIS 4770 (F) – Database and Data Management	CSM 3870	3		
CSM 4885 (S) – Theory of Computation	CSM 3870	3		
CSM 4985 (S) – Artificial Intelligence	CSM 3570, MAT 3701, CSM 3870	3		
CSM 4970 (S)- Operating Systems	CSM 3670, CSM 3870	3		
CSM 4270 (F) – Programming Languages	CSM 3670	3		
CSM 4880 (S) - Algorithms	CSM 3870	3		
CSM 3980 (S) – Parallel Programming	CSM 3570, CSM 3870	3		
CSM 4275* - Internship	CSM 3870, Junior	3		
*Student must consult with Internship coordinator at least one semester before enrolling in CSM 4275				

Major Electives (10 hrs)

Course	Hours	Grade	Semester

Consult catalog for potential elective MAT and CSM courses. Electives must be 3000+ level.

+this course is recommended for students who enter the program not ready for CSM 2170.

Notes: