B.A. in Computer Science (Minor Required)
Four Year Curriculum Guide (Odd Years)
Department of Mathematics and Computer Science

Year 1	Fall Semester		Year 1	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CS 101	Logic and Computing	3	CS 121	Computer Programming I (spring only)	3
MATH 223	Discrete Mathematics I (fall only) (Core 1)	3	MATH 224	Discrete Mathematics II (spring only)	3
ENG 101	Composition I (Core 2)	3	MATH 250	Mathematical Proof (spring only)	1
CORE	Institutional Requirement (Core 3)	3	ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 4)	3	CORE	Institutional Requirement (Core 6)	3
			CORE	Institutional Requirement (Core 7)	3
	TOTAL	**15**		**TOTAL**	**16**

Year 2	Fall Semester		Year 2	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CS 122	Computer Programming II (fall only)	3	CS 230	Data Structures (spring only)	3
CS	CS Elective	3	CS 301	Computer Architecture (spring odd)	3
MINOR	Minor Requirement (1)	3	MINOR	Minor Requirement (2)	3
CORE	Institutional Requirement (Core 8)	3	GENERAL	General Elective (1)	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 10)	3
	TOTAL	**15**		**TOTAL**	**15**

Year 3	Fall Semester		Year 3	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CS 302	Theory of Computation (fall odd)	3	CS 303	Computer Algorithms (spring even)	3
CS 421	Principles of Operating Systems (fall odd)	3	CS 499	Software Development (spring even)	3
SDD 241 Or MIS 372	Introduction to Software Engineering (fa only) or Systems Analysis and Design (fa only)	3	MATH 307	Linear Algebra (spring only)	3
CORE	Institutional Requirement (Core 11)	3	MINOR	Minor Requirement (3)	3
CORE	Institutional Requirement (Core 12)	3	CORE	Institutional Requirement (Core 13)	3
	TOTAL	**15**		**TOTAL**	**15**

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CS 321	Advanced Programming (fall even)	3	GENERAL	General Elective (3)	2
MIS 470	Database Management (fall only)	3	GENERAL	General Elective (4)	3
MINOR	Minor Requirement (4)	3	CORE	Institutional Requirement (Core 15)	3
GENERAL	General Elective (2)	3	MINOR	Minor Requirement (5)	3
CORE	Institutional Requirement (Core 14)	3	MINOR	Minor Requirement (6)	3
	TOTAL	**15**		**TOTAL**	**14**

120 hours

B.A. in Computer Science (Minor Required)
Four Year Curriculum Guide (Even Years)
Department of Mathematics and Computer Science

Year 1 — **Fall Semester**

Course #	Title	Cr.
CS 101	Logic and Computing (fall only)	3
MATH 223	Discrete Mathematics I (fall only) (Core 1)	3
ENG 101	Composition I (Core 2)	3
CORE	Institutional Requirement (Core 3)	3
CORE	Institutional Requirement (Core 4)	3
	TOTAL	**15**

Year 1 — **Spring Semester**

Course #	Title	Cr.
CS 121	Computer Programming I (spring only)	3
MATH 224	Discrete Mathematics II (spring only)	3
MATH 250	Mathematical Proof (spring only)	1
ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 6)	3
CORE	Institutional Requirement (Core 7)	3
	TOTAL	**16**

Year 2 — **Fall Semester**

Course #	Title	Cr.
CS 122	Computer Programming II (fall only)	3
CS	CS Elective	3
MINOR	Minor Requirement (1)	3
CORE	Institutional Requirement (Core 8)	3
CORE	Institutional Requirement (Core 9)	3
	TOTAL	**15**

Year 2 — **Spring Semester**

Course #	Title	Cr.
CS 230	Data Structures (spring only)	3
MINOR	Minor Requirement (2)	3
MINOR	Minor Requirement (3)	3
GENERAL	General Elective (1)	3
CORE	Institutional Requirement (Core 10)	3
	TOTAL	**15**

Year 3 — **Fall Semester**

Course #	Title	Cr.
CS 321	Advanced Programming (fall even)	3
MIS 470	Database Management (fall only)	3
MINOR	Minor Requirement (4)	3
CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 12)	3
	TOTAL	**15**

Year 3 — **Spring Semester**

Course #	Title	Cr.
CS 301	Computer Architecture (spring odd)	3
MATH 307	Linear Algebra (spring only)	3
MINOR	Minor Requirement (5)	3
CORE	Institutional Requirement (Core 13)	3
GENERAL	General Elective (2)	3
	TOTAL	**15**

Year 4 — **Fall Semester**

Course #	Title	Cr.
CS 302	Theory of Computation (fall odd)	3
CS 421	Principles of Operating Systems (fall odd)	3
SDD 241 or MIS 372	Introduction to Software Engineering (fa only) or Systems Analysis and Design (fa only)	3
GENERAL	General Elective (3)	3
CORE	Institutional Requirement (Core 14)	3
	TOTAL	**15**

Year 4 — **Spring Semester**

Course #	Title	Cr.
CS 499	Software Development (spring even)	3
CS 303	Computer Algorithms (spring even)	3
CORE	Institutional Requirement (Core 15)	3
MINOR	Minor Requirement (6)	3
GENERAL	General Elective (4)	2
	TOTAL	**14**

120 hours