

B.A. Degree Sample Program

FRESHMAN YEAR			
Fall		Spring	
CS 111 - Concepts of Computer Science	3	CS 150 - Introduction to Computing II	3
CS 140 - Introduction to Computing I	4	ENG 102 - English Composition II	3
ENG 101 - English Composition	3	Foreign Language 102	4
Foreign Language 101	4	MATH 150 - Calculus I	5
MATH 125 - Pre-calculus with Trig	3	Introductory Social Sciences	3
Total	17	Total	18

SOPHOMORE YEAR			
Fall		Spring	
CS 240 - Introduction to Computing III	3	CS 275 - Interaction Programming	3
MATH 224 - Discrete Mathematics	3	CS 340 - Algorithms and Data Structures	3
Introductory Fine Arts & Humanities	3	Introductory Fine Arts & Humanities	3
Introductory Natural Science & Math	3	Unrestricted/Minor Elective	3
Unrestricted/Minor Elective	3	Unrestricted/Minor Elective	3
Total	15	Total	15

JUNIOR YEAR			
Fall		Spring	
CS 312 - Intro to Comp Organization & Architecture	3	CS 325 - Software Engineering	3
CS 321 - Human-Computer Interaction Design	3	CS 314 - Operating Systems	3
STAT 244 - Statistics	3	Interdisciplinary Studies Course	3
Distribution Fine Arts & Humanities	3	Unrestricted/Minor Elective	3
Distribution Social Sciences	3	Unrestricted/Minor Elective	3
Total	15	Total	15

SENIOR YEAR			
Fall		Spring	
CS 330 - Programming Languages	3	CS 499 - Senior Project: Software Implementation	3
CS 425 - Senior Project: Software Design	3	CS Elective II	3
CS Elective I	3	CS Elective III	3
Unrestricted/Minor Elective	3	Unrestricted/Minor Elective	3
Unrestricted/Minor Elective	3	Unrestricted/Minor Elective	3
Total	15	Total	15

B.A. Degree Requirements

Natural Science and Mathematics Courses		13-14
MATH 125, 150 (or 130), 224 Natural Science or Math Elective	10-11 3	
Computing Core		34
CS 111, 140, 150, 240, 275, 312, 314, 321, 325, 330, 340		
Computing Electives		9
Three courses selected from CS 423, 434, 438, 447, 454, 456, 482, 490, 495 MATH 465		
Senior Project		6
CS 425, 499		
General Education Introductory Courses		12
1 Natural Science/Math, 1 Social Sciences and 2 Fine Arts & Humanities or 1 Natural Science/Math, 2 Social Sciences and 1 Fine Arts & Humanities or 2 Social Sciences and 2 Fine Arts & Humanities		
General Education Distribution Courses		6
1 Fine Arts & Humanities and 1 Social Sciences		
Skills Courses		17
ENG 101, 102 Foreign Languages STAT 244	6 8 3	
Interdisciplinary Studies Course		3
Minor		18
Free (Unrestricted) Electives		6-7
Total hours		124

Course Offering Schedule

Fall	Spring	Summer
CS 111 - Concepts of CS	CS 111 - Concepts of CS	CS 111 - Concepts of CS
CS 140 - Intro to Computing I	CS 140 - Intro to Computing I	CS 140 - Intro to Computing I
CS 150 - Intro to Computing II	CS 150 - Intro to Computing II	CS 150 - Intro to Computing II
CS 240 - Intro to Computing III	CS 240 - Intro to Computing III	CS 240 - Intro to Computing III
CS 275 - Interaction Prog	CS 275 - Interaction Prog	CS 447 - Networks and Data Comm
CS 312 - Intro to Com Org & Arch	CS 312 - Intro to Com Org & Arc	CS 454 - Theory of Computation
CS 321 - Human-Comp Inter Design	CS 314 - Operating Systems	CS 490 - Topics in CS
CS 325 - Software Engineering	CS 321 - Human-Comp Inter Design	
CS 330 - Programming Languages	CS 325 - Software Engineering	
CS 340 - Algorithms & Data Struct	CS 330 - Programming Languages	
CS 414 - Operating Systems	CS 340 - Algorithms & Data Struct	
CS 425 - Senior Proj: S/W Design	CS 423 - Compiler Construction	
CS 434 - Database Mgmt Systems	CS 425 - Senior Proj: S/W Design	
CS 447 - Networks and Data Comm	CS 434 - Database Mgmt Systems	
CS 456 - Advanced Algorithms	CS 438 - Artificial Intelligence	
CS 482 - Computer Graphics	CS 447 - Networks and Data Comm	
CS 490 - Topics in CS	CS 456 - Advanced Algorithms	
CS 499 - Senior Proj: S/W Impl	CS 490 - Topics in CS	
MATH 465 - Numerical Analysis	CS 499 - Senior Proj: S/W Impl	

Application for Major

To apply for a major in Computer Science, it is necessary to have:

1. Good standing.
2. Completion of Academic Development courses required by the University.
3. Completion of required courses to address high school deficiencies.
4. Completion of MATH 120 college algebra with a grade of C or higher.
5. A cumulative GPA of at least 2.0 (on a 4.0 scale).