Current		Revised	
DEGREE: Bachelor of Arts		**DEGREE: Bachelor of Arts**	
MAJOR: Computer Science		**MAJOR: Computer Science**	
CURRICULUM	**CREDITS**	**CURRICULUM**	**CREDITS**
UNIVERSITY REQUIREMENTS		**UNIVERSITY REQUIREMENTS**	
ENGL 110 Critical Reading and Writing (minimum grade C-)	3	ENGL 110 Critical Reading and Writing (minimum grade C-)	3
First Year Experience (FYE)	0-4	First Year Experience (FYE)	0-4
Breadth Requirement	12	Breadth Requirement	12
Discovery Learning Experience (DLE)	3	Discovery Learning Experience (DLE)	3
Multicultural Courses	3	Multicultural Courses	3

Major Requirements

Major Requirements

33

College of Engineering Breadth Requirements

College of Engineering Breadth Requirements

The College of Engineering requires 33 total Breadth Requirement credits distributed as follows
(essentially 21 credits in addition to the University Breadth Requirement.)
• Creative Arts and Humanities: 9 credits
* History and Cultural Change: 9 credits
* Social and Behavioral Sciences: 9 credits
* Math, Natural Science and Technology: 6 credits (typically satisfied by CISC 108 and MATH 210)
If chosen carefully, up to 3 credits from each of the University Breadth Requirement categories may be
used to simultaneously satisfy the College of Engineering Breadth Requirements for this major.
• Of the 33 credits, 3 credits may be used to satisfy the University Multicultural Requirement
(recommended for timely progress toward degree completion.)
• All Breadth Requirement coursework must be passed with a minimum grade of C-.

The College of Engineering requires 33 total Breadth Requirement credits distributed as follows
(essentially 21 credits in addition to the University Breadth Requirement.)
• Creative Arts and Humanities: 9 credits
* History and Cultural Change: 9 credits
* Social and Behavioral Sciences: 9 credits
* Math, Natural Science and Technology: 6 credits (typically satisfied by CISC 108 and MATH 210)
If chosen carefully, up to 3 credits from each of the University Breadth Requirement categories may be
used to simultaneously satisfy the College of Engineering Breadth Requirements for this major.
• Of the 33 credits, 3 credits may be used to satisfy the University Multicultural Requirement
(recommended for timely progress toward degree completion.)
• All Breadth Requirement coursework must be passed with a minimum grade of C-.

Four additional credits of Math, Natural Science and Technology, in the form of a science course with an associated lab, are also required.

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Core Courses		**Core Courses**	
CISC 108 Introduction to Computer Science I	3	CISC 108 Introduction to Computer Science I	3
CISC 181 Introduction to Computer Science II	3	CISC 181 Introduction to Computer Science II	3
CISC 220 Data Structures	3	CISC 220 Data Structures	3
CISC 260 Machine Organization and Assembly Language	3	CISC 260 Machine Organization and Assembly Language	3
CISC 275 Introduction to Software Engineering	3	CISC 275 Introduction to Software Engineering	3
Eighteen credits of computer science technical electives numbered 301 or above, approved by the student's advisor	18	Eighteen credits of computer science technical electives numbered 301 or above, except for CISC 355, CISC 356, CISC 357, CISC 366 and CISC 466. Because of their very nature, Experimental Courses (courses with an x67 number) must be approved beforehand by the CIS Undergraduate Committee before being accepted toward the technical elective requirement.	18
MATH 210 Discrete Mathematics I	3	MATH 210 Discrete Mathematics I	3

MATH 241 Analytic Geometry and Calculus A 4

Minimum grade C- in the CISC courses. Minimum grade C- in
Math 210 for students who wish to take **CISC 303** or **CISC 304**

No more than 45 credits with the same department prefix (including cross-listed courses) may be counted
toward the total required for the degree.

SKILLS

Second Writing Requirement (minimum grade C-) 3

A second writing course involving significant writing experience including rwo papers with a combined
minimum of 3,000 words to be submitted for extended faculty critique of both composition and content.
This course must be taken after completion of 60 credit hours. Appropriate writing courses are designated
in each semester's Registration Booklet.

Foreign Language (minimum grade D-) 0-12

Completion of the intermediate-level course (107 or 112 or 214) in an ancient or modern language. The
number of credits needed and initial placement will depend on the number of years of high school study of
foreign language. Students with four or more years of high school work in a single foreign language, or
who have gained proficiency in a foreign language by other means, amy attempt to fulfill the requirement
in that language by taking an exemption examination through the Foreign Languages and Literatures
Department.

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum
requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124