ABET Accredited Computer Science Major —B.S. 81-83 credits
Starting with Pre-Calculus and CSCI 200

Computer Science & Information Technology Department

Program Advisors

ALL CSCI Faculty

First Semester(15 credits)	**Second Semester**(13 credits)
ENGL 191[8]-Intro to Rhetorical and Analytical Writing (4 cr.) **CSCI 200**[9] Elements of Computing (3 cr.) **MATH 115**[1,2] – Precalculus (5 cr.) Liberal Education (3 cr.)	**CSCI 201**[3]-Computer Science 1 (4 cr.) **CMST 192**[8]-Introduction to Speech Communication (3 cr.) **MATH 271**[3,6]-Discrete Mathematics I (3 cr.) **PHIL 194**-Critical Reasoning (3 cr.)
Third Semester(15-16 credits)	**Fourth Semester**(15-16 credits)
CSCI 220[3]-Computer Architecture I (4 cr.) **CSCI 301**[3]-Computer Science 2 (4 cr.) **MATH 221**[3]-Calculus I (4 cr.) **ENGL 332** (4 cr.) or **CMST 341** (3 cr.)	**CSCI 320**[3]-Computer Architecture II (4 cr.) **CSCI 310**[3]-Introduction to Operating Systems (3 cr.) **Science Elective** (3-4 cr.) **MATH 312/327** (4 cr.) **CSCI 300 (1 cr)** Group work for Comp Sci Projects
Fifth Semester(14-17 credits)	**Sixth Semester**(15 credits)
CSCI 331[5]-Software Systems (3 cr.) **Math 303** (2 cr)/ **MATH 222** (4 cr.)/ **MATH 304** (3 cr.) **STAT 353** (3 cr.) **Science Elective (3-4 cr)** Liberal Education (3 cr.)	**CSCI 312**[3] – Distributed Systems (3 cr.) **CSCI 330**[4]-Programming Language Concepts (3 cr.) **CSCI 4xx**[7] (Senior Elective) (3 cr.) Liberal Education (6 cr.)
Seventh Semester (17 credits)	**Eighth Semester**(15 credits)
CSCI 334-Communication for Computing Sciences (1 cr.) **CSCI 4xx**[7] (Senior Elective) (3 cr.) **CSCI 4xx**[7] (Senior Elective) (3 cr.) **CSCI 414** Platform-based Development. (4 cr) Liberal Education (6 cr.)	**CSCI 332**[4]-Computing Ethics (3 cr.) **CSCI 4xx**[7] (Senior Elective) (3 cr.) **CSCI 4xx**[7] (Computing Elective) (3 cr.) Liberal Education Elective (6 cr.)

[1]Math 115 may be replaced by Math 112 and Math 113. In that case, Math 112 must be completed before taking CSCI 201 and Math 113 taken along with CSCI 201.
[2]Students who are ready to take Math 221 are not required to take this class.
[3]These courses are offered in both semesters.
[4]Offered in spring semester.
[5]May not be offered in Spring.
[6]Students normally apply for admission to the major after completing CSCI 201 and Math 271.
[7]Senior-level electives must include courses in at least three different subject areas.
[8] ENGL 191 may be taken in the second semester of the freshman year if CMST 192 is taken in the first semester
[9] Students ready for CSCI 201 are not required to take this class.

Notes:
(a) Not all electives are offered every semester. See schedule for offerings.
(b) Students must successfully complete 120 credits to graduate, at least 45 credits at the 300-400 level.
(c) At least one-half of the 300- and 400-level computer science courses in this major program must be taken from our department.
(d) Transfer students must see a transfer advisor to find out where they are in the program and also to get permission to register for "major only" courses.