

ABET Accredited Computer Science Major—B.S. 81-83 credits Starting with Calculus and CSCI 201

Computer Science Department

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Program Advisors

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First Semester	Second Semester
ENGL 191 ⁸ -Intro to Rhetorical/Analytical Writing (4 cr.) MATH 221 ³ -Calculus & Analytical Geometry I (5 cr.) CSCI 201 ³ -Computer Science I (4 cr.) PHIL 194 -Critical Reasoning (3 cr.)	CSCI 220 ³ -Computer Architecture I (4 cr.) CSCI 301 ³ -Computer Science II (4 cr.) CMST 192 ⁸ -Introduction to Speech Communication (3 cr.) MATH 273 ^{3,6} -Discrete Mathematics I (3 cr.)
Third Semester	Fourth Semester
CSCI 320 ³ -Computer Architecture II (4 cr.) MATH 373 ³ -Discrete Mathematics II (3 cr.) First Half of Required Science Sequence (4-5 cr.) STAT (Elective) (3 cr.)	CSCI 310 ³ -Introduction to Operating Systems (3 cr.) CSCI 330 ⁴ -Programming Language Concepts (3 cr.) ENGL 332 or CMST 341 (3 cr.) Second half of required Science Sequence (4-5 cr.)
Fifth Semester	Sixth Semester
CSCI 311 ³ – Systems Programming (2 cr.) CSCI 331 ⁵ -Software Systems (3 cr.) MATH 311/312 (3 cr.) Democratic Citizenship(3 cr.) Social Science-Elective (3 cr.)	CSCI 4xx ⁷ (Elective) (3 cr.) Humanities & Fine Arts (Elective) (3 cr.) Math Elective (3-4 cr.) Science-Elective (3-5 cr.) Social Science-Elective (3 cr.)
Seventh Semester	Eighth Semester
CSCI 334 -Communication for Computing Sciences (1 cr.) CSCI 4xx ⁷ (Elective) (3 cr.) CSCI 4xx ⁷ (Elective) (3 cr.) General Ed (Elective) (3 cr.) Humanities & Fine Arts (Elective) (3 cr.)	CSCI 332 ⁴ -Computing Ethics (3 cr.) CSCI 4xx ⁷ (Elective) (3 cr.) CSCI 4xx ⁷ (Elective) (3 cr.) University Electives (6-8 cr.) Physical Education Elective (1 cr.)

¹Math 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.

²Students who are ready to take Math 221 are not required to take this class.

³These course are offered in both semesters.

⁴Offered in spring semester only.

⁵Offered in fall semester only.

⁶Students normally apply for admission to the major after completing CSCI 200 or 201, Math 221 and Math 273.

⁷Senior-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.