

Bachelor of Science in Computer Science

2016 - 2018 Catalog

Core Curriculum Requirements* (27 hrs)

- ___ UGS 302 or 303 First-Year Signature Course
- ___ RHE 306 Rhetoric & Composition
- ___ E 316P/N/M/L/K Literature
- ___ American History 1
- ___ American History 2
- ___ American Government
- ___ Government 2
- ___ Social & Behavioral Science
- ___ Visual & Performing Arts
- ✓ Mathematics (fulfilled by M 408N/C)
- ✓ Science Sequence, 6 hrs (fulfilled by degree requirements)
- ✓ Science, 3 additional hours (fulfilled by C S 312)
- ✓ Writing flag (from course not fulfilling core curriculum)

*Courses that fulfill above core curriculum requirements are designated in course schedule.

Foreign Language or Culture Requirement (minimum 6 hrs)

- ___ 3-6 hrs foreign language or approved culture course
- ___ 3-6 hrs foreign language or approved culture course

Course Flag Requirements

- ___ Upper division writing flag (WR)
- ___ Additional writing flag (WR) *1 WR flag must not overlap with core
- ✓ Independent Inquiry flag (II) (fulfilled by C S 439, beg. Spring '18)
- ✓ Quantitative Reasoning flag (QR) (fulfilled by CS 314)
- ___ Cultural Diversity flag (CD)
- ___ Global Cultures flag (GC)
- ___ Ethics & Leadership flag (EL)

AP Exam	Credit
Language, score of 3-5	RHE 306
Literature, 4-5	E 316P
US History, 3-5	HIS 315L (American History 2)
American Government, 3-5	GOV 310L (American Government)
Psychology, Human Geography or Macro/Microeconomics, 3-5	Social & Behavioral Science
Music Theory or Art History, 3-5	Visual and Performing Arts
Computer Science A, 4-5	C S 312
Chemistry, 4-5	Chemistry 301 & 302
Biology, 5	Biology 311C & 311D
Physics C: Mechanics, 3-5	Physics 303K & 103M or 301 & 101L
Physics C: E & M, 3-5	Physics 303L & 103N or 316 & 116L
Calculus, AB or BC	Varies

Computer Science Requirements (44 hrs)

- ___ C S 312 Intro to Programming
- ___ C S 311 Discrete Math
- ___ C S 314 Data Structures
- ___ C S 429 Computer Architecture
- ___ C S 439 Operating Systems
- ___ C S 331 Algorithms
- ___ C S Upper Division Elective (UDE) #1
- ___ C S UDE #2
- ___ C S UDE #3
- ___ C S UDE #4
- ___ C S UDE #5
- ___ C S UDE #6
- ___ C S UDE #7
- ___ C S UDE #8

Lower Division Mathematics Requirements (8-12 hrs)

- ___ M 408N Traditional Calculus 1 +
- ___ M 408S Traditional Calculus 2 +
- ___ M 408M Traditional Calculus 3 +

OR

- ___ M 408C Accelerated Calculus 1 +
- ___ M 408D Accelerated Calculus 2

Science & Upper Division Math Requirements (15-18 hrs)

- ___ SDS 321 Statistics & Probability or M 362K Probability 1
- ___ M 340L Matrices or SDS 329C Practical Linear Algebra
- ___ Science Sequence (must complete 1 approved, full sequence)
 - Chemistry 301 + 302 or
 - Biology 311C + 311D or
 - Physics 303K + 103M + 303L + 103N or
 - Physics 301 + 101L + 316 + 116L
- ___ 3-4 additional hours science, geology, or upper division math
 - Chemistry 301, Biology 311C, Physics 303K + 103M, Physics 301 + 101L, Geology 401, or any upper division math course except M 340L, M 341, M 362K, M 325K

General Electives* (7-20 hrs)

- ___ 120 hours total *Physical activity courses (PED or KIN) and non-majors science courses will not toward the required 120 hours. Only 6 hours of pass/fail coursework will count toward the required 120 hours.

Computer Science Advising
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