Computer Science Course Flow

Freshman Fall

- CSCI 111 [1] Programming 1
  - Requires completion of B4 or calculus readiness (MATH 119, high school equivalent, community college equivalent, or a proctored test score >= 76 on the ALEKS PPL assessment).
- MATH 121 Calculus II
  - Prerequisite is MATH 119 (or MATH 116 + MATH 118 w/lease B-, or equivalent).
  - May be taken concurrently with CSCI 111.

Freshman Spring

- CSCI 211 [2] Programming 2
  - We recommend taking CSCI 111, CSCI 211, and CSCI 311 in consecutive semesters.
- EECE 237 Embedded Systems
  - Dashed arrows represent potential prerequisite classes.

Sophomore Fall

  - A maximum of 3 units may be taken for credit/no credit grading. Consider CSCI 300 or CSCI 389 if you need one or two units. Verify each elective's prerequisite courses.
- CINS 448 Security
- MATH 217 Discrete Math
  - A1

Sophomore Spring

- CSCI 411 Adv Algorithms
  - Junior Standing
  - PHYS/ CHEM Selection I [3]
    - B1
  - PHYS/ CHEM Selection II [3]
    - B1

Junior Fall

- CSCI 440 Operating Systems
- CINS 370 Databases
- CINS 467 Web/Mobile Apps
- CSCI 211 Requires completion of B4 or calculus readiness (MATH 119, high school equivalent, community college equivalent, or a proctored test score >= 76 on the ALEKS PPL assessment).
- CSCI 315 or 515 Prog Lang -or- Compilers

Junior Spring

- CSCI 551 Parallel & Numeric UD-B
- CSCI 580 or 581 AI -or- ML [7]

Senior Fall

- CSCI 430 Software Engineering
- CSCI 490 Capstone

Senior Spring

- CSCI/CINS/MATH Elective [4]
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GE NOTE: Your GE classes must include 1 Global Culture (GC), 1 United States Diversity (USD), 2 Writing Intensive (W) (1 lower division, 1 upper division) plus ENGL/JOUR 130W and CSCI 301W.

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