Bachelor of Science in Computer Science
Computer Science Track (effective 8/2012)

All courses are 3 credits, except as noted.

A line indicates a prerequisite. The course above must be completed before the course below can be taken.

A diamond indicates a co-prerequisite. The course closer to the diamond may be taken at the same time as the co-prerequisite. The co-prerequisite is a prerequisite for any course that requires the course closer to the diamond.

A junction is where multiple prerequisites are joined.

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* Prerequisites:
  - ENC 3249: UCC English requirements
  - MAC 2311: (MAC1140 + MAC1114) or MAC1147

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MAC 2311* Calculus I (4 credits)
MAC 2312 Calculus II (4 credits)
PHY 2048/2048L Physics I w/Calculus (5 credits)
PHY 2049/2049L Physics II w/Calculus (5 credits)
STA 3033 Probability & Statistics

CS Electives (choose three)

CAP 4453 Robot Vision Pre: COP3530 & MAC2312
CAP 4710 Computer Graphics Pre: COP3337, MAC2312
CDA 3103 Fundamentals of Computer Systems
CDA 4101 Computer Organization
COP 2210 Programming I and Lab (4 credits)
COT 3993 Discrete Structures or MAD 2104 Discrete Math

COT 3541 Logic for Computer Science
COP 3337 Programming II

MAD 3512 Algorithms
COP 4338 Programming III
MAD 3401 Numerical Analysis Pre: COP2210, MAC2312
MAD 4203 Combinatorics Pre: MAD2104, MAC2312
CIS 4911 Senior Project

MVF 4403 Graph Theory Pre: COP2210, MAD2104
MAD 4203 Combinatorics Pre: MAD2104, MAC2312
CEN 4072 Software Engineering I

All courses are 3 credits, except as noted.

Updated 11/2016