

Computer Science Major Requirements (11.5 units)

8.5 Units of Core Courses

Course	Units	Normally Offered	Prerequisites
CSCI 111: Introduction to Object-Oriented Programming	1	Every semester	None
CSCI 175 Computer Architecture	1	Every fall	111
CSCI 204: Data Structures and Algorithms	1	Every spring	111
CSCI 245: Computer Networks	1	Spring even years	175
CSCI 315: Algorithms	1	Spring odd years	204 & MATH 160
CSCI 335: Threads and Operating Systems	1	Fall odd years	204
CSCI 347: Models and Languages	½	Fall even years	204 & 2 units at 200+ level
CSCI 365 Database Capstone I	½	Fall even years	Junior standing & 204 with 335 recommended
CSCI 366 Database Capstone II	½	Spring odd years	365
CSCI 375 Software Engineering I	½	Fall odd years	Junior standing & 204
CSCI 376 Software Engineering II	½	Spring even years	Junior standing & 204 with 375 recommended

1 Additional Unit Chosen From Ones Below

Course	Units	Normally Offered	Prerequisites
COGS 280: Cognitive Robotics	1	Spring odd years	None
MATH 300: Math Modeling		Fall odd years	1 unit of CS & 2 units of Math at or above 175
PHYS 160: DigitalElectronics		Fall odd years	None

2 Supporting Units

Course	Units	Normally Offered	Prerequisites
MATH 110 or 113: Calculus I	1	Every semester (for Math 110)	None
MATH 160: Discrete Structures	1	Fall even years	111 & MATH 110