

Computer Science

Major

A major in Computer Science consists of a minimum of 44 semester hours (eleven courses). [Depending on mathematical preparation, the student may need to take up to an additional 8 hours (two courses) of mathematics.]

Computer Science Core Courses

Item #	Title	Credits
CS 160	Introduction to Computer Science	4.0
CS 170	Introduction to Data Structures	4.0
CS 260	Data Structures and Algorithms	4.0
CS 270	Software Development	4.0
CS 280	Computer Organization and Architecture	4.0
CS 360	Theory of Computation	4.0
CS 485 or IS 485		4.0

Electives

A minimum of 12 semester hours (three courses) of electives from:

*(two of the three courses must be 300- or 400-level)

Item #	Title	Credits
CS 250	Programming Practicum	1.0-4.0
CS 310	Human Computer Interaction	4.0
CS 350	Concepts of Programming Languages	4.0
CS 380	Operating Systems	4.0
CS 410	Computer Networking	4.0
CS 420	Artificial Intelligence and Expert Systems	4.0
CS 460	Theory of Database Systems	4.0

Tool Courses

Item #	Title	Credits
MA 201	Discrete Mathematics	4.0

If a student does not place out of MA 133, then the student may need to take 4 to 8 additional credit hours (one or two courses) from MA 103 and MA 133. Students interested in attending graduate school are encouraged to take additional courses in mathematics in consultation with their advisor.

As part of the ongoing assessment process of the program, all majors must take the Major Field Achievement test in Computer Science during his/her last spring semester prior to graduation.

Total Credits		44
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