Computer Science BS Degree Requirements Flow Chart: 2009-2010

Software Engineering Track

Computer Science Foundation
all courses required
(21 hours)

- CSCI 1000-1
  Computer Science as a Field of Work and Study

- CSCI 1300-4
  Computer Science 1: Programming

CSCI 2270-4
Computer Science 2: Data Structures

CSCI 2400-4
Computer Systems

CSCI 3155-4
Principles of Programming Languages

CSCI 3104-4
Algorithms

Software Engineering Foundation
all courses required
(6 hours)

CSCI 3202-3
Introduction to Artificial Intelligence

CSCI 3287-3
Database and Information Systems

CSCI 3308-3
Software Engineering Methods and Tools

CSCI 3448-3
Object-Oriented Analysis and Design

CSCI 4113-3
UNIX System Administration

CSCI 4229-3
Computer Graphics

CSCI 4273-3
Network Systems

CSCI 4412-3
Design, Creativity and New Media

CSCI 4429-3
User Centered Design

CSCI 4555-3
Compiler Construction

CSCI 4839-3
User Centered Design

Software Engineering Core
select 5
(15-16 hours)

- CSCI 3753-4
  Operating Systems

- CSCI 4273-3
  Network Systems

- CSCI 4429-3
  Computer Graphics

- CSCI 4555-3
  Compiler Construction

- CSCI 4839-3
  User Centered Design

Software Engineering Capstone
select one option
(8 hours)

- CSCI 4308-4
  Software Engineering Project 1

- CSCI 4318-4
  Software Engineering Project 2

- CSCI 4950-4
  Senior Thesis

- CSCI 4950-4
  Senior Thesis

Humanities and Social Sciences
(24 hours)
6 hours upper division Writing

Natural Sciences
(17 hours)
must include science sequence approved for the track

Computer Science Electives
(to bring total to 58 hours)

Free Electives
(to bring total to 128 hours)

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