Computer Science BS Degree Requirements Flow Chart: 2007-2008

Computational Science and Engineering Track

Computer Science Foundation
- 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

Computational Science and Engineering Foundation
- CSCI 3308-3: Software Engineering Methods and Tools
- CSCI 3753-4: Operating Systems
- CSCI 4202-3: Artificial Intelligence 2: Machine Learning
- CSCI 4229-3: Computer Graphics
- CSCI 4448-3: Object-Oriented Analysis and Design
- CSCI 3287-3: Database and Information Systems
- CSCI 3656-3: Numerical Computation
- CSCI 4446-3: Chaotic Dynamics
- CSCI 4576-4: High-Performance Scientific Computing 1
- CSCI 4753-3: Computer Performance Modeling

Computational Science and Engineering Core
- CSCI 4308-4: Software Engineering Project 1
- CSCI 4318-4: Software Engineering Project 2
- CSCI 4950-4: Senior Thesis

Humanities and Social Sciences
- 6 hours upper division Writing

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

Computer Science Electives
- (to bring total to 57 hours)

Free Electives
- (to bring total to 128 hours)

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- CSCI 4448-3: Object-Oriented Analysis and Design
- CSCI 3287-3: Database and Information Systems
- CSCI 3656-3: Numerical Computation
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