Computer Science BS Degree Requirements Flow Chart: 2010-2011
Computational Biology and Health Informatics Track

**Computer Science Foundation**
- 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

**Computational Biology and Health Informatics Foundation**
- CSCI 4312-3: Health Informatics
- CSCI 4839-3: User Centered Design
- CSCI 4314-3: Algorithms for Molecular Biology
- CSCI 4317-3: Genome Databases: Mining & Management

**Core**
- CSCI 3753-4: Operating Systems
- CSCI 4448-3: Object-Oriented Analysis and Design
- CSCI 3434-3: Theory of Computation
- CSCI 3308-3: Software Engineering Methods and Tools
- CSCI 4839-3: User Centered Design
- CSCI 4312-3: Health Informatics
- CSCI 4810-1: Seminar in Comp. Biology and Health Informatics
- CSCI 4317-3: Genome Databases: Mining & Management

**Capstone**
- CSCI 4308-4: Software Engineering Project 1
- CSCI 4318-4: Software Engineering Project 2
- CSCI 4950-4: Senior Thesis

**Electives**
- Humanities and Social Sciences: (24 hours)
  - 6 hours upper division
  - Writing
- Natural Sciences: (17 hours)
  - must include science sequence approved for the track

**Free Electives**
- (to bring total to 58 hours)

**Computer Science Electives**
- (to bring total to 128 hours)

**Probability or Statistics**
- Probability
- Statistics

**Linear Algebra**
- Linear Algebra

**Free Electives**
- (to bring total to 128 hours)

**Notes**
- CSCI 1300-4: Calculus 1 for Engineers
- APPM 1350-4: Calculus 2 for Engineers
- CSCI 2824-3: Discrete Structures
- www.cs.colorado.edu
- Lesley.McDowell@Colorado.EDU
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