Computer Science BS Degree Requirements Flow Chart: 2007-2008
Computational Biology and Health Informatics Track

Computer Science Foundation
all courses required (20 hours)
- CSCI 2400-4: Computer Systems
- CSCI 3155-4: Principles of Programming Languages
- CSCI 3104-4: Algorithms
- CSCI 1300-4: Computer Science 1: Programming
- CSCI 2270-4: Computer Science 2: Data Structures
- CSCI 4308-3: Health Informatics
- CSCI 4839-3: User Centered Design

Computational Biology and Health Informatics Foundation
select 4, must include Seminar (10 hours)
- CSCI 4312-3: Seminar in Comp. Biology and Health Informatics
- CSCI 4810-1: Seminar in Comp. Biology and Health Informatics
- CSCI 4317-3: Genome Databases: Mining & Management
- CSCI 4314-3: Algorithms for Molecular Biology

Computational Biology and Health Informatics Core
select 3 (9-10 hours)
- 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 4317-3: Genome Databases: Mining & Management

Computational Biology and Health Informatics 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

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 57 hours)

Free Electives
(to bring total to 128 hours)

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