

LIBERAL STUDIES: Humanities/Social Science (*Revised April 2010*)

Computer Science Program Sequence B

Required credits: 24 (9 credits must be earned at RU)

Introductory Level Courses: 12 credits

Choose one course from:

CS 04113 Intro to Object Oriented Programming (4 cr)

CS 04103 Computer Science and Programming (4 cr)

And complete the following two courses:

CS 04114 Object Oriented Programming and Data Abstraction (4 cr)

CS 04222 Data Structures and Algorithms (4 cr)

Advanced Level Courses: 9 credits

Choose three courses from:

CS 06205 Computer Organization

CS 07210 Foundations of Computer Science

CS 04315 Programming Languages

CS 07340 Design and Analysis of Algorithms

CS 06310 Principle of Digital Computers

CS 04390 Operating Systems

CS 07360 Computer Graphics

CS 06412 Advanced Computer Architecture

CS 07422 Theory of Computing

MATH 01332 Numerical Analysis

CS 07450 Artificial Intelligence

CS 06410 Data Communications and Networking

CS 04380 Object Oriented Design

CS 04392 System Programming and Operating System Internals

CS 01205 Computer Laboratory Techniques

CS 04305 Web Programming

Senior Level Capstone: 3 credits

Choose one from:

CS 99300 Computer Field Experience

CS 07321 Software Engineering I

CS 04400 Senior Project