



Volgenau School of Engineering

COMPUTER SCIENCE MINOR

2011-2012

Computer Science is a discipline concerned with the analysis, design, implementation, maintenance and evolution of computer-based systems used in almost all walks of life. The Minor in Computer Science is intended for those pursuing other undergraduate degree programs and who feel the need to pursue Computer Science to complement their other studies. Regardless of their discipline, undergraduates find a knowledge of Computer Science to be helpful in today's world. This minor is not a "computer literacy" program; all the courses are the same ones taken by Computer Science majors.

Requirements:

CS 105 or CS 306	1 or 3 hours	Computer Ethics
CS 112	4 hours	Introduction to Computer Programming
CS 211	3 hours	Object-Oriented Programming
CS 310	3 hours	Data Structures
CS XXX	3 hours	Chosen from list below
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CS XXX: two courses chosen from

CS 321 Software Requirement & Design Modeling
 CS 325 Computer Game Design
 CS 330 Formal Methods and Models
 CS 363 Comparative Programming Languages
 CS 367 Computer Systems and Programming
 CS 450 Database Concepts
 CS 451 Computer Graphics

CS 455 Computer Communications and Networking
 CS 465 Computer Systems Architecture
 CS 468 Secure Programming and Systems
 CS 471 Operating Systems
 CS 480 Artificial Intelligence
 CS 483 Analysis of Algorithms
 CS 484 Data Mining

This totals at least 17 hours of credit. Students should pay careful attention to prerequisites when selecting courses and be aware that at least 4 semesters are needed to complete the Minor.

University requirements state that at least 6 hours must be completed at George Mason University, and no more than 3 hours of "D" in the minor is accepted. University requirements also state that at least 8 hours towards the minor may not be valid towards the student's major requirements.

We invite requests for additional information. Please contact:

Computer Science Department MS 4A5
 Volgenau School of Engineering
 George Mason University
 Fairfax, VA 22030-4444

Phone: (703) 993-1530
 Fax: (703) 993-1710
 E-mail: csadmin@cs.gmu.edu
 Internet: <http://www.cs.gmu.edu>