



COMPUTER SCIENCE Emphasis Area

FOR ADVISING PURPOSES ONLY, SEE COLLEGE CATALOG FOR DEGREE REQUIREMENTS

Complete the following through elective or General Education courses:	Credits	Pre-requisites / Notes
<input type="checkbox"/> CS 1400 Fundamentals of Programming	3	
<input type="checkbox"/> CS 1410 Object-Oriented Programming	3	CS 1400
<input type="checkbox"/> CS 2420 Introduction to Algorithms & Data Structures	3	CS 1410
<input type="checkbox"/> CS 2810 Computer Organization & Architecture	3	CS 1410
Complete at least 15 credits from the following courses:		
<input type="checkbox"/> CS 3000 Internet Publishing and Design	3	CS 2420
<input type="checkbox"/> CS 3100 Interactive Media	3	CS 2420
<input type="checkbox"/> CS 3310 Discrete Math	3	Math 1210 & CS 1410
<input type="checkbox"/> CS 3400 Operating Systems	3	CS 2420 & 2810
<input type="checkbox"/> CS 3410 Distributed Systems	3	CS 2420, 2810; IT 2400
<input type="checkbox"/> CS 3500 Application Development	3	CS 1410
<input type="checkbox"/> CS 3510 Advanced Algorithms & Data Structures	3	CS 2420, 2810 & 3310
<input type="checkbox"/> CS 3520 Programming Languages	3	CS 2420 & 2810
<input type="checkbox"/> CS 3530 Computational Theory	3	CS 2420, 2810 & 3310
<input type="checkbox"/> CS 3600 Graphics Programming	3	CS 2420 & 2810
<input type="checkbox"/> CS 4000 Dynamic Web Development	3	CS 2420 & VT 1400
<input type="checkbox"/> CS 4010 Interactive Web Development	3	CS 2420 & VT 1400
<input type="checkbox"/> CS 4300 Artificial Intelligence	3	CS 2420 & 2810
<input type="checkbox"/> CS 4550 Compilers	3	CS 2420 & 2810

NOTES:

1. Students may only apply one Computer & Information Technology Emphasis to an Integrated Studies degree (Computer Science, Information Technology, or Visual Technologies).
2. Only one Discrete Math course can be applied to graduation requirements (CS 3310 or MATH 2200).
3. Students select and complete two emphases and the Core Requirements.
4. Grade C or higher in each Core Integrated Studies and Emphasis Areas course.