

General Education Requirements: Students must complete the DSC requirements for General Education or equivalent.		
CS Emphasis Requirements	Credits	Prerequisites and notes
• CS 1400, Fundamentals of Programming	3	
• CS 1410, Object-Oriented Programming	3	CS 1400
• CS 2420, Introduction to Algorithms and Data Structures	3	CS 1410
• CS 2450, Software Engineering	3	CS 2420
• CS 2810, Computer Organization and Architecture	3	CS 1410
• CS 3400, Operating Systems	3	CS 2420
• CS 3500, Graphical User Interfaces	3	CS 2420
• CS 3600, Graphics Programming	3	CS 2420
• CS 4000, Dynamic Web Development	3	CS 2420
• CS 4300, Artificial Intelligence	3	CS 2420
• CS 4550, Compilers	3	CS 2420
• CS 4600, Software Engineering Lab (Project)	3	Instructor Permission Required
• IT 1100, Introduction to Operating Systems	3	
• IT 2400, Introduction to Networking	3	
• IT 3100, Systems Design and Administration I	3	CS 1400 and IT 1100 and IT 2400
• MATH 1210, Calculus I	5	MATH 1050 and MATH 1060, or MATH 1065. You must receive a C or better to advance from one math course to the next course.
• MATH 3310, Discrete Math	3	MATH 1210
• VT 1300, Communication Design	3	
• VT 1400, Intro. to Internet Development	3	
• ENGL 3010, Writing in the Professions	3	ENGL 2010
• HUM 3030, Multicultural Studies	2	
• MKTG 3010, Marketing Principles	3	CIS 1200 and ENGL 2010
• PHIL 3510, Business and Professional Ethics	2	
TOTAL	69	
CS Emphasis Electives (15 credits from the following)	Credits	Prerequisites and Notes
• CS 3000, Internet Publishing & Design	3	CS 2420
• CS 3100, Interactive Multimedia	3	CS 2420
• CS 3510, Advanced Data Structures	3	CS 2420 and MATH 3310
• CS 3520, Programming Language	3	CS 2420
• CS 3530, Computational Theory	3	CS 2420 and MATH 3310
• CS 4100, Advanced Multimedia/Internet Integration	3	CS 2420
• IT 3110, Systems Design and Administration II	3	IT 3100
• IT 3200, Perl Programming	3	CS 1410
• IT 3500, Electronic Commerce	3	
• IT 4200, Advanced Web Delivery	3	IT 3100
• IT 4300, Database Design and Management	3	CS 1410 and IT 1100 and 2400
• IT 4400, Network Design and Management	3	IT 1100 and 2400
TOTAL	15	

A minimum of 40 upper-division credits are required. Total credits for baccalaureate degree: 121

Dixie State's general graduation requirements are described in this online catalog under the "Advisement and Graduation" link. Those requirements are also available in the College's online policies at <http://www.dixie.edu/humanres/policy/sec5/520.html>.