

| <b>General Education Requirements:</b> Students must complete the DSC requirements for General Education or equivalent. |                |  |
|---|----------------|--|
| <b>IT Emphasis Requirements</b>   | <b>Credits</b> | <b>Prerequisites and notes</b>                       |
| <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, Intro to Algorithms and Data Structures   | 3              | CS 1410  |
| <input type="checkbox"/> IT 1100, Introduction to Operating Systems   | 3              |  |
| <input type="checkbox"/> IT 2400, Introduction to Networking  | 3              | IT 1100  |
| <input type="checkbox"/> IT 3100, Systems Design and Administration I   | 3              | CS 1400 and IT 2400                                  |
| <input type="checkbox"/> IT 3110, Systems Design and Administration II  | 3              | IT 3100  |
| <input type="checkbox"/> IT 3500, Electronic Commerce   | 3              |  |
| <input type="checkbox"/> IT 4200, Advanced Web Delivery   | 3              | IT 3100 and VT 1400                                  |
| <input type="checkbox"/> IT 4300, Database Design and Management  | 3              | CS 1400 and IT 1100                                  |
| <input type="checkbox"/> IT 4400, Network Design and Management   | 3              | IT 2400  |
| <input type="checkbox"/> IT 4500, Information Security  | 3              | CS 1400 and IT 3100                                  |
| <input type="checkbox"/> IT 4600, Senior Project  | 3              | Senior Status  |
| <input type="checkbox"/> MATH 1100, Business Calculus<br>or<br>MATH 1210, Calculus I                                    | 3<br><br>5     | MATH 1050<br><br>MATH 1050 and 1060, or<br>MATH 1065 |
| <input type="checkbox"/> VT 1300, Communication Design  | 3              |  |
| <input type="checkbox"/> VT 1400, Intro. to Internet Development  | 3              |  |
| <input type="checkbox"/> VT 2500, Computer Illustration   | 3              | VT 1300  |
| <input type="checkbox"/> VT 2600, Creative Imaging  | 3              | VT 1300  |
| <input type="checkbox"/> ENGL 3010, Writing in the Professions  | 3              | ENGL 2010  |
| <b>TOTAL</b>  | <b>57-59</b>   |  |

| IT Emphasis Electives (15 credits from the following)                       | Credits   | Prerequisites and Notes                        |
|---|-----------|--|
| <input type="checkbox"/> CJ 2500 Computer Hardware Basics                   | 3         |  |
| <input type="checkbox"/> CJ 2700 Introduction to Digital Forensics          | 3         |  |
| <input type="checkbox"/> CJ 3810 Advanced Digital Forensics                 | 3         | CJ 2700  |
| <input type="checkbox"/> CJ 3900 Digital Forensics Tools                    | 3         | CJ 1900 or CJ 2700                             |
| <input type="checkbox"/> CJ 3950 Windows Forensics                          | 3         | CJ 3900  |
| <input type="checkbox"/> CJ 4250 Mac Forensics                              | 3         | CJ 2700  |
| <input type="checkbox"/> CJ 4700 File System Analysis                       | 3         | CJ 2700 and CJ 3900                            |
| <input type="checkbox"/> CJ 4750 Small Device Forensics                     | 3         | CJ 2700 and CJ 3900                            |
| <input type="checkbox"/> CS 2450, Software Engineering                      | 3         | CS 2420  |
| <input type="checkbox"/> CS 2810, Computer Organization and Architecture    | 3         | CS 1410  |
| <input type="checkbox"/> CS 3000, Internet Publishing and Design            | 3         | CS 2420  |
| <input type="checkbox"/> CS 3005, Programming in C++                        | 1         | CS 1410  |
| <input type="checkbox"/> CS 3100, Interactive Multimedia                    | 3         | CS 2420  |
| <input type="checkbox"/> CS 3400, Operating Systems                         | 3         | CS 2420 and CS 2810                            |
| <input type="checkbox"/> CS 3410, Distributed Systems                       | 3         | CS 2420, CS 2810 and IT 2400                   |
| <input type="checkbox"/> CS 3500, Application Development                   | 3         | CS 1410  |
| <input type="checkbox"/> CS 3600, Graphics Programming                      | 3         | CS 2420 and CS 2810                            |
| <input type="checkbox"/> CS 4000, Dynamic Web Development                   | 3         | CS 2420 and VT 1400                            |
| <input type="checkbox"/> CS 4010, Interactive Web Development               | 3         | CS 2420 and VT 1400                            |
| <input type="checkbox"/> CS 4100, Advanced Multimedia/Internet Integration  | 3         | CS 2420  |
| <input type="checkbox"/> CS 4300, Artificial Intelligence                   | 3         | CS 2420 and CS 2810                            |
| <input type="checkbox"/> CS 4550, Compilers                                 | 3         | CS 2420 and CS 2810                            |
| <input type="checkbox"/> CS 4990 Seminar in computer Science                | 1-3       | Instructor Permission Required                 |
| <input type="checkbox"/> IT 3200, Perl Programming                          | 3         | CS 1410  |
| <input type="checkbox"/> IT 3550, Internet and E-Commerce Marketing         | 3         |  |
| <input type="checkbox"/> MKTG 3010, Marketing Principles                    | 3         | CIS 1200 and ENGL 2010                         |
| <input type="checkbox"/> VT 3000, Internet Publishing and Design            | 3         | CS 1400 and VT 1400 and<br>VT 2500 and VT 2600 |
| <input type="checkbox"/> VT 3100, Interactive Multimedia                    | 3         | CS 1400 and VT 2500 and<br>VT 2600             |
| <input type="checkbox"/> VT 3200, Portfolio Preparation                     | 3         | VT 2600 and VT 3620                            |
| <input type="checkbox"/> VT 3800, Corporate Identity                        | 3         | VT 2500  |
| <input type="checkbox"/> VT 4000, Dynamic Web Development                   | 3         | VT 3000  |
| <input type="checkbox"/> VT 4010, Interactive Web Development               | 3         | CS 1410 and VT 3000                            |
| <input type="checkbox"/> VT 4100, Advanced Multimedia/ Internet Integration | 3         | VT 3100  |
| <b>TOTAL</b>  | <b>15</b> |  |

**Complete a minimum of 120 college-level credits (1000 and above). Complete at least 40 upper-division credits (3000 and above). Complete at least 30 upper-division credits at DSC for institutional residency. Cumulative GPA 2.0 or higher. Grade C- or higher in each Core Discipline and Elective Requirement Course. Math prerequisites requires C or higher. For each cross-listed CS and VT course, only one may be used to fill elective credits.**

**NOTE: This is a worksheet only. For graduation you must use the 2012-2013 Catalog.**