



## FOUR-YEAR PROGRAM COMPLETION PLAN

### Department of Computer Science

-- Domain General Education courses and open elective may be taken in any semester and in any order, except for Common Core Domain requirements, which must be taken during Year One.

-- Please refer to your Degree Audit for specific course requirements.

### Recommended Schedule for Bachelor of Science: Major in Computer Science, Concentration in Information Systems, (UCSI):

| Year One: Fall Semester  | Year One: Spring Semester   |
|--|---|
| CSCI 120 Introduction to Information Technology                            | CSCI 130 Introduction to Programming  |
| CSCI 108 HTML, Javascript Programming, and Web Site Development            | ECON 101 Introduction to Macroeconomics or<br>ECON 102 Introduction to Microeconomics |
| MATH 123 College Algebra (if needed) OR<br>Domain General Education Course | MATH 117 Introduction to Statistics OR ENGL 110 Expository Writing                    |
| ENGL 110 Expository Writing OR<br>MATH 117 Introduction to Statistics      | Domain General Education Course   |

| Year Two: Fall Semester                                    | Year Two: Spring Semester   |
|--|---|
| CSCI 215 Computer Science II Using JAVA                    | CSCI 376 Network Technologies                                     |
| MATH 180 Precalculus (if needed) OR Open Elective          | ACCT 220 Intro to Financial Accounting                            |
| CSCI 258 Intro to Operating Systems Using UNIX             | MATH 206 Discrete Mathematics I OR<br>MATH 215 Finite Mathematics |
| CSCI 200 Computer Science Professional Exploration Seminar | Domain General Education Course                                   |

| Year Three: Fall Semester                      | Year Three: Spring Semester        |
|--|------------------------------------|
| CSCI 360 Database Management                   | CSCI 373 Advanced Web Technologies |
| MGMT 280 Applied Organizational Theory and Mgt | Concentration Requirement          |
| Domain General Education Course                | Domain General Education Course    |
| Domain General Education Course                | Domain General Education Course    |

| Year Four: Fall Semester               | Year Four: Spring Semester              |
|--|---|
| BUIS 411 Information Systems Research  | BUIS 460 Information Systems Management |
| CSCI 345 Computer and Network Security | Concentration Requirement               |
| Concentration Requirement              | Domain General Education Course         |
| Domain General Education Course        | Domain General Education Course         |

### Domain General Education Checklist:

- Domain II-A is fulfilled through the major.

|              |              |  |
|--------------|--------------|--|
| Common Core: | ___          | A. ENGL 110 Expository Writing                           |
|              | ___          | B. MATH XXX (credit-bearing)                             |
| Domain I:    | ___          | A. Creative Arts   |
|              | ___          | B. Humanities  |
|              | ___          | C. Language  |
| Domain II:   | <u>  X  </u> | A. Analysis, Modeling, Problem Solving                   |
|              | ___          | B. Natural Sciences (two courses)                        |
| Domain III:  | ___          | A. Perspectives on the Past                              |
|              | ___          | B. Perspectives on Contemporary World                    |
|              | ___          | C. Global Competency, Ethical Reasoning, Human Diversity |