

## First Year

| 1st Semester (15-16 hrs) |                                  |     | 2nd Semester (16 hrs) |                                     |     |
|--------------------------|----------------------------------|-----|-----------------------|-------------------------------------|-----|
| Course                   | Title                            | hrs | Course                | Title                               | hrs |
| MATH A122/A141           | Survey of Calculus or Calculus I | 3-4 | MATH A174             | Discrete Mathematics for CS         | 3   |
| CSCI A125                | Introduction to Computer Science | 3   | ENGL A102             | Composition and Literature          | 3   |
| ENGL A101                | Composition                      | 3   | CSCI A145             | Algorithmic Design I                | 4   |
| HIST A101/A102           | GEN ED Global Cultures           | 3   | CSCI A185*            | Computer Applications & Programming | 3   |
| ELECT                    | Free Elective                    | 3   | GEN ED                | Social and Behavioral Sciences      | 3   |

## Second Year

| 1st Semester (16 hrs) |                                     |     | 2nd Semester (15 hrs) |                              |     |
|-----------------------|-------------------------------------|-----|-----------------------|------------------------------|-----|
| Course                | Title                               | hrs | Course                | Title                        | hrs |
| CSCI A146             | Algorithmic Design II               | 4   | CSCI A220             | Data Structures & Algorithms | 3   |
| CSCI A255             | Introduction to Information         | 3   | CSCI A320*            | Object-Oriented Programming  | 3   |
| MATH A344             | Linear Algebra for CS & Engineering | 3   | CSCI A360*            | Software Engineering         | 3   |
| COLLEGE REQ.          | College Elective                    | 3   | COLLEGE REQ.          | Fine Arts Elective           | 3   |
| COMM A201/A241        | GEN ED Oral Communications          | 3   | ELECT                 | Free Elective                | 3   |

## Third Year

| 1st Semester (15 hrs) |                                |     | 2nd Semester (15 hrs)      |                                         |     |
|-----------------------|--------------------------------|-----|----------------------------|-----------------------------------------|-----|
| Course                | Title                          | hrs | Course                     | Title                                   | hrs |
| CSCI A225^            | Web Development                | 3   | TECH ELECT                 | CSCI Technical Elective                 | 3   |
| TECH ELECT            | CSCI Technical Elective        | 3   | CSCI A350*                 | Computer Graphics                       | 3   |
| CSCI A340             | Mobile Application Development | 3   | CSCI A415*                 | Data Comm. & Computer Networks          | 3   |
| COLLEGE REQ.          | College Elective               | 3   | GEN ED                     | Humanities                              | 3   |
| TECH ELECT            | CSCI Technical Elective        | 3   | POL A201<br>HIST A201/A202 | GEN ED: American Political Institutions | 3   |

## Fourth Year

| 1st Semester (15 hrs) |                          |     | 2nd Semester (13 hrs) |                          |     |
|-----------------------|--------------------------|-----|-----------------------|--------------------------|-----|
| Course                | Title                    | hrs | Course                | Title                    | hrs |
| CSCI A520^            | Database System Design   | 3   | GEN ED                | Humanities               | 3   |
| CSCI A591^            | Capstone Seminar I       | 3   | COLLEGE REQ.          | Natural Science with Lab | 4   |
| TECH ELECT            | CSCI Technical Elective  | 3   | CSCI A592*            | Capstone Seminar II      | 3   |
| GEN ED                | Natural Science with Lab | 4   | TECH ELECT            | CSCI Technical Elective  | 3   |
| ELECT                 | Free Elective            | 2   |                       |                          |     |

^Fall only \*Spring only +Varies

Course frequency notes are subject change and do not include courses managed by other departments