**CS08.A.GE08**

## Academic Program:  B.S. in Computer Science - Track A (Advanced Computing)

### Semester 1

| COURSE | TITLE | CREDITS |
|---|---|---|
| EN101 | College English I | 3 |
| HS101 | Western Civilization I | 3 |
| CS120 | Foundations of Computer Sc. | 4 |
| CS102 | Scientific Computer Applic | 3 |
| ** | Social Science Requirement | 3 |
| LC100 | Freshman Seminar | 1 |
| | **TOTAL** | **17** |

### Semester 2

| COURSE | TITLE | CREDITS |
|---|---|---|
| EN102 | College English II | 3 |
| HS102 | Western Civilization II | 3 |
| CS175 | Intro. Computer Science I | 4 |
| MA109 | Precalculus (if needed) | 4 |
| ** | Social Science Requirement | 3 |
| WP001 | Writing Proficiency Exam | 0 |
| | **TOTAL** | **17** |

### Semester 3

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS176 | Intro. Computer Sicence II | 4 |
| MA125 | Calculus w/Analytic Geo. Ii | 4 |
| CS202 | Discrete Math | 4 |
| EN201 | Literature I | 3 |
| | | |
| | **TOTAL** | **15** |

### Semester 4

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS305 | Data Structures & Algorithms | 4 |
| MA126 | Calculus w/Analytic Geo. II | 4 |
| CS286 | Comp. Architecutre I | 3 |
| EN202 | Literature II | 3 |
| Aesthetics | AR/MU/TH/DA 101 | 3 |
| | **TOTAL** | **17** |

### Semester 5

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS310 | Adv. Object-Oriented Program. | 4 |
| CS200+ | Computer Science Elective | 3 |
| MA319 | Probability&Statistics I | 3 |
| * | Cross-Cultural Requirement | 3 |
| Lab Science | With lab, please refer to curr chart for choices | 4 |
| WT001* | Writing Intensive Course in CS | 0 |
| | **TOTAL** | **17** |

### Semester 6

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS438 | Operating Systems Analysis | 4 |
| CS400+ | Computer Science Elective | 3 |
| HU201 | Critical Discourse | 3 |
| * | Cross Cultural Requirement | 3 |
| Lab Science | With lab, please refer to curr chart for choices | 4 |
| | | |
| | **TOTAL** | **17** |

### Semester 7

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS432 | Database Systems | 4 |
| CS325 | Software Eng. Concepts | 3 |
| PRxxx | Perspectives Course | 3 |
| BY/CE/PH | Science course as outlined on curriculum chart | 4 |
| EX001* | Experiential Education | 1 |
| WT001* | Writing Intensive Course in CS | 0 |
| | **TOTAL** | **15** |

### Semester 8

| COURSE | TITLE | CREDITS |
|---|---|---|
| CS 490 | Senior Project | 4 |
| CS400+ | Computer Science Elective | 3 |
| Elective | | 3 |
| BY/CE/PH | Science course as outlined on curriculum chart | 3 |
| | | |
| | | |
| | **TOTAL** | **13** |

**TOTAL CREDITS    128**

*See WEBadvisor "Sections Offered by Term" for complete listing of courses with type:

CC:  Cross-Cultural
WT:  Writing Intensive
EX:  Experiential Education

**Social Sciences:  See curriculum chart for choices.