

**Cybersecurity BS**  
**(Fall 2014 start, no co-op, begin with CS 181)**

| FALL                      |   | SPRING                    |  | SUMMER |  |
|---------------------------|---|---------------------------|--|--------|--|
| TERM 1                    |   | TERM 2                    |  |        |  |
| MA 121 followed by MA 122 | Different Calculus  | MA 123 followed by MA 124 | Series, Vectors, Functions, and Surfaces |        |  |
|                           | Integral Calculus   |                           | Calculus of Two Variables                |        |  |
| CS 181                    | Intro Computer Science, Honors I                                  | CS 182                    | Intro Computer Science, Honors II        |        |  |
|                           | Science I   |                           | Science II                               |        |  |
|                           |   |                           | Science Lab                              |        |  |
| CS 146                    | Intro Web Programming & Project Development                       | CS 135                    | Discrete Structures                      |        |  |
| CAL 103/105               | Humanities  | CAL 105/103               | Humanities                               |        |  |
| PE 200                    | Phys. Ed. I   | PE 200                    | Phys. Ed. II                             |        |  |
| TERM 3                    |   | TERM 4                    |  |        |  |
| CS 306                    | Intro to IT Security  | CS 488                    | Computer Architecture                    |        |  |
| CS 392                    | Systems Programming   | CS 496                    | Principles of Programming Languages      |        |  |
| CS 334                    | Automata & Computation  | CS 347                    | Software Development Process             |        |  |
| CS 383                    | Computer Organization & Programming                               | MA 222                    | Probability & Statistics                 |        |  |
| HSS 371 or HPL 455        | Computers and Society or Ethical Issues in Science and Technology | HUM                       | Humanities 200 level                     |        |  |
| PE 200                    | Phys. Ed. III   | PE 200                    | Phys. Ed. IV                             |        |  |
| TERM 5                    |   | TERM 6                    |  |        |  |
| CS 442                    | Database Mgmt. Systems  | CS 492                    | Operating Systems                        |        |  |
| CS 443                    | Database Practicum  |                           | Free Elective                            |        |  |
| CS 503                    | Discrete Math for Cryptography                                    | CS 579                    | Foundations of Cryptography              |        |  |
| CS 576                    | Secure Systems  | CS 578                    | Privacy in a Networked World             |        |  |
| CS 577                    | Cybersecurity Lab   | HUM                       | Humanities 300 level                     |        |  |
| TERM 7                    |   | TERM 8                    |  |        |  |

|        |  |        |                           |  |  |
|--------|--|--------|---------------------------|--|--|
| CS 425 | Cybersecurity Capstone I                               | CS 426 | Cybersecurity Capstone II |  |  |
| CS 595 | Information Security and the Law                       | CS 521 | TCP/IP Networking         |  |  |
| CS     | Security elective                                      | CS     | Security elective         |  |  |
| CS     | CS elective  |        | Free elective             |  |  |
| CS 511 | Concurrent Programming                                 | HUM    | Humanities elective       |  |  |
| CS 485 | Societal Impact of Information Technologies (1 credit) |        |                           |  |  |