

# B.A. IN COMPUTER SCIENCE

| Code                                                                                                     | Title                                               | Credits |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------|
| Major in Computer Science (B.A.)                                                                         |                                                     |         |
| COS 111                                                                                                  | Introduction to Programming                         | 4       |
| COS 211                                                                                                  | Data Structures                                     | 4       |
| COS 235                                                                                                  | Computer Systems                                    | 4       |
| COS 277                                                                                                  | Software Development Fundamentals                   | 4       |
| COS 299                                                                                                  | Careers in Mathematics and Computer Science Seminar | 0       |
| COS 450                                                                                                  | Humans and Computers                                | 2       |
| MAT 124M                                                                                                 | Calculus 1 <sup>1</sup>                             | 4       |
| MAT 242                                                                                                  | Introduction to Proofs                              | 2       |
| MAT 248                                                                                                  | Mathematics of Computer Science                     | 4       |
| Electives from 300-level or above COS courses, MAT 376, PHY 352/PHY 353, or ENR 352/ENR 353 <sup>2</sup> |                                                     | 18-19   |
|                                                                                                          |                                                     |         |
| Code                                                                                                     | Title                                               | Credits |
| Major                                                                                                    |                                                     | 46-47   |
| General Education <sup>*</sup>                                                                           |                                                     | 44-52   |
| Electives                                                                                                |                                                     | 24-31   |
| Total Credits                                                                                            |                                                     | 122     |

<sup>1</sup> Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

<sup>2</sup> MAT 376's prerequisite is MAT 211 with a C- or higher or MAT 224 with a C- or higher. Prerequisites for ENR 352/ENR 353 and PHY 352/PHY 353 are MAT 223 or MAT 224 and PHY 296/PHY 297 with a C or higher.

<sup>\*</sup> Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Computer Science and a B.S. in Computer Science. Students may not declare a B.A. in Computer Science and a Minor in Computer Science. Students may not declare a B.A. in Computer Science with Software Project Management and a B.A. in Computer Science.