Required Courses:

| CSIS | $\begin{aligned} & 1100 \text { or } \\ & 1180^{*} \end{aligned}$ | Computer Science: An Overview - OR Computing Concepts and Applications | (4) |
| :---: | :---: | :---: | :---: |
| CSIS | 2101 | Programming \& Problem Solving I | (4) |
| CSIS | 2210 | Systems Analysis and Design | (4) |
| Elective Courses: choose 2 from the following courses: |  |  |  |
| CSIS | 2102 | Programming \& Problem Solving II | 8 total credits |
| CSIS | 3222 | Database Systems (requires MATH 2225) |  |
| CSIS | 3230 | Computer Networking Principles (requires MATH 2225) |  |
| CSIS | 3241 | E-Commerce |  |
| CSIS | 3381 | Information Assurance \& Security (requires MATH 2225) |  |
| CSIS | 3470 | Application Development |  |
| CSIS | 3472 | Human-Computer Interface |  |
| CSIS | 3475 | IT Project Management |  |

* A third elective course may be substituted for CSIS 1100 or 1180

Elective courses may require other courses further up on the elective list as pre-requisites.

