

Bachelor of Science in Applied Computer Science

Network Security Application Development Option



| Core Courses – 29.0 credits | | Credits |
|--|---|-------------|
| COMP 7003 | Introduction to Information Network Security | 3.0 |
| COMP 7012 | Interaction Design | 3.0 |
| COMP 7035 | Operating Systems | 3.0 |
| COMP 7082 | Software Engineering | 3.0 |
| COMP 8042 | Advanced Algorithms and Data Structures Design and Analysis | 3.0 |
| COMP 8082 | Project Management | 3.0 |
| COMP 8085 | Artificial Intelligence | 3.0 |
| MATH 7808 | Calculus for Computing | 4.0 |
| MATH 7908 | Linear Algebra and Applications for Computing | 4.0 |
| Major Project – 6.0 credits | | |
| COMP 8800 | Major Project 1 | 3.0 |
| COMP 8900 | Major Project 2 | 3.0 |
| Specialty Courses – 15.0 credits | | |
| COMP 7005 | Computer Networks & Protocols | 3.0 |
| COMP 7402 | Cryptography | 3.0 |
| COMP 8003 | Network Security Administration | 3.0 |
| COMP 8005 | Network & Security Applications Development | 3.0 |
| COMP 8505 | Special Topics in Network & Security Development | 3.0 |
| General Education – 15.0 credits | | |
| LIBS 7001 | Critical Reading and Writing | 3.0 |
| LIBS 7002 | Applied Ethics* | 3.0 |
| and | | |
| General Education Electives - 9.0 credits | | |
| <p>Refer to the Bachelor of Science in Applied Computer Science General Education Requirements [PDF] for a list of pre-approved General Education electives.</p> <p>*Students who have completed the CST Diploma (full-time or part-time) are exempt from taking the LIBS 7002 Applied Ethics course, as they have already completed the LIBS 7102 Ethics for Computing Professionals course in the CST Diploma program, which is considered an equivalent course.</p> | | |
| Total Credits: | | 65.0 |