



# Full-Time Bachelor of Technology Computer Systems Technology (Network Security Application Development Option) - Program Map

## Admission Requirements:

- BCIT Computer Information Technology (CIT) Diploma or
- BCIT Computer Systems Technology (CST) Diploma or
- equivalent of CST Diploma and minimum of 3 months relevant work experience and English 12 (67%) or 3 credits of post-secondary English, Humanities or Social Sciences (67%) from a recognized institution

<b>Level 5 (15 weeks)</b>	<b>COMP 7005</b> Computer Networks and Protocols 3.0 credits	<b>COMP 7006</b> Network Administration and Security 1 3.0 credits	<b>COMP 7082</b> Software Engineering 3.0 credits	<b>LIBS 7001</b> Critical Reading and Writing 3.0 credits	<b>MATH 7908</b> Linear Algebra and Applications for Computing 3.0 credits	<b>15 credits</b>
<b>Level 6 (15 weeks)</b>	<b>COMP 8005</b> Network and Security Applications Development 3.0 credits	<b>COMP 8006</b> Network Administration and Security 2 3.0 credits	<b>COMP 8082</b> Project Management 3.0 credits	<b>LIBS 7002</b> Applied Ethics 3.0 credits	<b>General Education Elective</b> 3.0 credits	<b>15 credits</b>
<b>Level 7 (15 weeks)</b>	<b>COMP 8037</b> Major Project Proposal 3.0 credits	<b>COMP 8505</b> Special Topics in Network and Security Development 3.0 credits	<b>COMP 8506</b> Special Topics in Network Design and Implementation 3.0 credits	<b>COMP 8042</b> Advanced Algorithms and Data Structures Design and Analysis 3.0 credits	<b>Management Elective</b> 3.0 credits	<b>15 credits</b>
<b>Level 8 (15 weeks)</b>	<b>COMP 8085</b> Artificial Intelligence 3.0 credits	<b>COMP 8047</b> Major Project 6.0 credits	<b>General Education Elective</b> 3.0 credits	<b>Management Elective</b> 3.0 credits		<b>15 credits</b>

\* This option is also available in Part-Time format.

\*\* Specific course offerings for Management Electives, General Education Electives and topics for COMP 7615 & COMP 7481 will be determined by the department.

**TOTAL CREDITS: 60**

All courses are 15 weeks in duration, unless otherwise noted.

Updated: May 2020