

## Cybersecurity (BSc) – Co-Op Program September Entry

Year 1: 29.5 credits			Year 2: 31 credits			Year 3: 29.5 credits		
Fall: 14 credits	Winter: 15.5 credits	Summer	Fall: 15 credits	Winter	Summer: 16 credits	Fall	Winter: 16 credits	Summer: 13.5 credits
<b>INSE 201 Security Ethics, Laws, Standards &amp; Compliance</b> (1.5)	<b>INSE 221 Cryptography I</b> (3) pre: COMP 232 or COEN 231	<b>Work Term 1</b>	<b>INSE 349 Secure Programming and Software Design</b> (3) pre: INSE 221	<b>Work Term 2</b>	<b>INSE 331 Database Security</b> (3) pre: INSE 349; COMP 352 or COEN 352	<b>Work Term 3</b>	<b>INSE 351 Operating System Security</b> (3) pre: INSE 349; COMP/COEN 346	<b>INSE 445 Network Security</b> (3) pre: INSE 221, 349; COMP 445 or ELEC/COEN 366
<b>COMP 232</b> Mathematics for Computer Science (3) pre: MATH 203, 204	<b>COMP 228</b> System Hardware (3) pre: COMP 248; MATH 203, 204		<b>INSE 386 Introduction to Cybersecurity Management &amp; Governance</b> (3) pre: INSE 201		<b>COMP 346</b> Operating Systems (4) pre: COMP/SOEN 228; COMP 352		<b>COMP 445</b> Data Communication & Computer Networks (4) pre: COMP 346	<b>INSE 413 Security Auditing &amp; Compliance</b> (3) pre: INSE 331, 341, 351
<b>COMP 248</b> Object-Oriented Programming I (3.5) pre: MATH 204	<b>COMP 249</b> Object-Oriented Programming II (3.5) pre: COMP 248; MATH 203, 205		<b>COMP 352</b> Data Structures & Algorithms (3) pre: COMP 232, 249		<b>INSE 48x Cybersecurity Elective</b> Course 2 (3)		<b>INSE 48x Cybersecurity Elective</b> Course 4 (3)	<b>General Elective</b> Course 5 (3)
<b>General Elective</b> Course 1 (3)	<b>ENCS 282</b> Technical Writing & Communication (3) pre: EWT/ENCS 272		<b>INSE 48x Cybersecurity Elective</b> Course 1 (3)		<b>INSE 48x Cybersecurity Elective</b> Course 3 (3)		<b>Math Elective</b> Course 3 (3)	<b>General Elective</b> Course 6 (3)
<b>Math Elective</b> Course 1 (3)	<b>General Elective</b> Course 2 (3)		<b>Math Elective</b> Course 2 (3)		<b>General Elective</b> Course 3 (3)		<b>General Elective</b> Course 4 (3)	<b>General Elective</b> Course 7 (1.5)