

## 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</b> Security Ethics, Laws, Standards & Compliance (1.5) Pre/Co req: None	<b>INSE 221</b> Cryptography I (3) Pre-req: COMP 232 or COEN 231	<b>Work Term 1</b>	<b>INSE 349</b> Secure Programming and Software Design (3) Pre-req: INSE 221	<b>Work Term 2</b>	<b>INSE 331</b> Database Security (3) Pre-req: INSE 349; COMP 352 or COEN 352	<b>Work Term 3</b>	<b>INSE 351</b> Operating System Security (3) Pre-req: INSE 349; COMP 346 or COEN 346	<b>INSE 445</b> Network Security (3) Pre-req: INSE 221*, INSE 349; COMP 445 or ELEC 366 or COEN 366
<b>COMP 232</b> Mathematics for Computer Science (3) Pre-req: MATH 203, MATH 204	<b>COMP 228</b> System Hardware (3) Pre-req: COMP 248; Pre/Co req: MATH 203, MATH 204		<b>INSE 386</b> Introduction to Cybersecurity Management & Governance (3) Pre-req: INSE 201		<b>COMP 346</b> Operating Systems (4) Pre-req: COMP 352; COMP 228 or SOEN 228		<b>COMP 445</b> Data Communication & Computer Networks (4) Pre-req: COMP 346	<b>INSE 413</b> Security Auditing & Compliance (3) Pre-req: INSE 331, INSE 351 Co-req: INSE 445
<b>COMP 248</b> Object-Oriented Programming I (3.5) Pre/Co req: MATH 204	<b>COMP 249</b> Object-Oriented Programming II (3.5) Pre-req: COMP 248, MATH 203; Pre/Co req: MATH 205		<b>COMP 352</b> Data Structures & Algorithms (3) Pre-req: COMP 249; Pre/Co req: COMP 232		<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-req: 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)