

MODEL ROUTE									
<b>School:</b>	School of Engineering Technology and Applied Science	<b>Program Number:</b>	3415						
<b>Program Title:</b>	<b>Computer Systems Technology - Networking Co-op</b>	<b>Credential:</b>	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input type="checkbox"/> Degree				
			<input type="checkbox"/> Diploma	<input checked="" type="checkbox"/> Advanced Diploma	<input type="checkbox"/> Centennial College Certificate				
<b>Program Delivery Mode:</b>	<input checked="" type="checkbox"/> Co-Op <input type="checkbox"/> Online <input type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input type="checkbox"/> Non Co-op	<b>Duration :</b>	<input type="checkbox"/> 1 Semesters	<input type="checkbox"/> 4 Semesters					
			<input type="checkbox"/> 2 Semesters	<input checked="" type="checkbox"/> 6 Semesters					
			<input type="checkbox"/> 3 Semesters	<input type="checkbox"/> 8 Semesters					
<b>Campus:</b>	<b>PROGRESS</b>	<b>Department Code:</b>	<b>3513</b>						
<b>Intake:</b>	<b>Fall 2021 and Winter 2022</b>								
Course Code	Course Title	Co/Pre Requisite (Course Code)	Lab Hours	Lecture Hours	Field Placement Hours	Course Delivery ODL=Online BLD=Blended HYB = Hybrid	Total Course Hrs (Lab + Lecture + Field)	Weeks (14)	Total Hours
<b>Semester 1</b>	<b>Fall 2021 or Winter 2022</b>								
CNET101	PC Hardware		3	3			6	14	84
CNET102	PC Operating Systems		3				3	14	42
CNET124	Fundamentals of Computer Networks		2	2			4	14	56
COMM160/161	College Communications 1			3		ODL	3	14	42
GNE1	General Education Elective			3			3	14	42
MATH149	Mathematics for Computer Systems 1			3			3	14	42
								<b>Total</b>	<b>308</b>
<b>Semester 2</b>	<b>Winter 2022 or Summer 2022</b>								
AMEG212	Applied Ethics in Technology & The Environment			2		ODL	2	14	28
CNET201	Fundamentals of Routing and Switching	P=CNET124	4				4	14	56
CNET205	Customer Skills	P=COMM160 or COMM161		2		ODL	2	14	28
CNET206	Introduction to UNIX/Linux	P=CNET102	2			HYB	2	14	28
CNET229	Introduction to Business and ICT	P=COMM160 or COMM161 or COMM170 or COMM171		2		ODL	2	14	28
CNET232	Introduction to Programming	P= CNET102 and MATH149	2	2		HYB	4	14	56
COMM170/171	College Communications 2	P=COMM160 or COMM161		3			3	14	42
MATH169	Mathematics for Computer Systems 2	P=MATH149		3			3	14	42
								<b>Total</b>	<b>308</b>
<b>Break</b>	<b>Summer 2022</b>								
<b>Semester 3</b>	<b>Fall 2022</b>								
CNET202	Windows Server Operating System	P=CNET101 and CNET102	4				4	14	56
CNET221	Network Security	P=CNET201 or CNET217	2	2			4	14	56
CNET225	Introduction to Telephony	P=CNET124	4				4	14	56
CNET306	UNIX/Linux	P=CNET206	2	2			4	14	56
CNET334	System Scripting	P=CNET232		3			3	14	42
COOP121	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1			1	14	14
GNE500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
MATH269	Statistics for Computer Systems	P= MATH149		3			3	14	42
								<b>Total</b>	<b>364</b>
<b>Work Term 1</b>	<b>Winter 2023</b>								
COOP222	Co-op Work Placement 1								
<b>Semester 4</b>	<b>Summer 2023</b>								
CNET212	Virtualization and Cloud Technologies	P=CNET202	2	2			4	14	56
CNET222	Network Services	P=CNET202	3				3	14	42
CNET239	Computer Forensics	P=CNET221	3				3	14	42
CNET304	Wireless Technology	P=CNET201 or CNET217	2	2			4	14	56
CNET311	Routing and Switching	P=CNET201 or CNET217	4				4	14	56
CNET323	Relational Database Management	P=CNET232	2	2		HYB	4	14	56
GNE2	General Education Elective			3			3	14	42

										<b>Total</b>	350
<b>Work Term 2</b>	<b>Fall 2023</b>										
COOP331	Co-op Work Placement 2										
<b>Semester 5</b>	<b>Winter 2024</b>										
CNET301	Network Design and Test	P=CNET201 or CNET217	2	2					4	14	56
CNET305	Voice and Video Over IP	P=CNET201 or CNET217, and, CNET225 and CNET306	4						4	14	56
CNET307◆	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2			ODL		3	14	42
CNET320	Data Centre	P=CNET221 and CNET306	2	2					4	14	56
CNET324	Wireless Networks	P=CNET304	2	2					4	14	56
CNET329◆	Business and ICT	P=CNET229	1	2			ODL		3	14	42
ENGL250	Report Writing in a Technical Environment	P=COMM170 or COMM171		2					2	14	28
									<b>Total</b>		336
<b>Work Term 3</b>	<b>Summer 2024</b>										
COOP332	Co-op Work Placement 3										
<b>Semester 6</b>	<b>Fall 2024</b>										
CNET321	Network Management	C=CNET327 P=CNET221	3						3	14	42
CNET327	Technologist Project	P=CNET301 and CNET304 and CNET305 and CNET307	3						3	14	42
CNET328	Internetwork Troubleshooting	P=CNET311	4						4	14	56
CNET331	Ethical Hacking	P=CNET239	2	2					4	14	56
CNET341	IoT Technologies	P=CNET332 or CNET334	2	2					4	14	56
CNET351	Emerging Technologies	P=CNET320 and CNET324 and CNET334	2	2					4	14	56
									<b>Total</b>		308
<b>Minimum Grade Required: D</b>											
										<b>Total Program Hours:</b>	<b>1974</b>

**C = Co-Requisite; P = Pre-Requisite**

**Notes:**

◆This course may be offered in one of the following modalities (Online, Hybrid or Blended)