

MODEL ROUTE									
School:	School of Engineering Technology and Applied Science	Program Number:	3415						
Program Title:	Computer Systems Technology - Networking Co-op	Credential:	☐ Certificate ☐ Diploma		☐ Graduate Certificate ☒ Advanced Diploma		☐ Degree ☐ Centennial College Certificate		
Program Delivery Mode:	☒ Co-Op ☐ Online ☐ Fast Track ☐ Hybrid ☐ Non Co-op	Duration :	☐ 1 Semesters ☐ 2 Semesters ☐ 3 Semesters		☐ 4 Semesters ☒ 6 Semesters ☐ 8 Semesters				
Campus:	PROGRESS	Department Code:	3513						
Intake:	Fall 2023 and Winter 2024								
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
Semester 1	Fall 2023 or Winter 2024								
CNET101	PC Hardware		3	3			6	14	84
CNET102	PC Operating Systems		3				3	14	42
CNET124	Fundamentals of Computer Networks		2	2		HYB	4	14	56
COMM160/161	College Communications 1			3		ODL	3	14	42
GNED	General Education Elective			3		ODL	3	14	42
MATH149	Mathematics for Computer Systems 1			3		ODL	3	14	42
								Total	308
Semester 2	Winter 2024 or Summer 2024								
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 or COMM170 or COMM171		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		ODL	3	14	42
MATH169	Mathematics for Computer Systems 2	P=MATH149		3		ODL	3	14	42
								Total	308
Break	Summer 2024								
Semester 3	Fall 2024								
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		HYB	4	14	56
CNET334	System Scripting	P=CNET232		3		ODL	3	14	42
COOP121	Employment Preplacement	P=COMM160/161 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed		1		ODL	1	14	14
GNED500	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
MATH269	Statistics for Computer Systems	P= MATH149		3		ODL	3	14	42
								Total	364
Work Term 1	Winter 2025								
COOP222	Co-op Work Placement 1								
Semester 4	Summer 2025								
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

GNET	General Education Elective			3		ODL	3	14	42
								Total	350
Work Term 2	Fall 2025								
COOP331	Co-op Work Placement 2								
Semester 5	Winter 2026								
CNET301	Network Design and Test	P=CNET201 or CNET217	2	2		HYB	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		ODL	2	14	28
								Total	336
Work Term 3	Summer 2026								
COOP332	Co-op Work Placement 3								
Semester 6	Fall 2026								
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=CNET332 or CNET334	2	2		ODL	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
								Total	308
Minimum Grade Required: D									
Total Program Hours:								1974	
C = Co-Requisite; P = Pre-Requisite									
Notes: ♦ This course may be offered in one of the following modalities (Online, Hybrid or Blended) ♦♦ This course may be offered in a compressed delivery 2 hours per week for a 7 week period.									