

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3405
Program Title:	Computer Systems Technology - Networking	Credential:	☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☒ Advanced Diploma ☐ Centennial College Certificate
Program Delivery Mode:	☐ Co-Op ☐ Online ☐ Fast Track ☐ Hybrid ☒ Non Co-op	Duration :	☐ 1 Semesters ☐ 4 Semesters ☐ 2 Semesters ☒ 6 Semesters ☐ 3 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			4	14	56
COMM160/161 	College Communications 1			3		ODL	3	14	42
GNED	General Education Elective			3			3	14	42
MATH149	Mathematics for Computer Systems 1			3			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			3	14	42
MATH169	Mathematics for Computer Systems 2	P=MATH149		3			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			4	14	56
CNET334	System Scripting	P=CNET232		3			3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3			3	14	42
MATH269	Statistics for Computer Systems	P= MATH149		3			3	14	42

								Total	350
Semester 4	Winter 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
GNED	General Education Elective			3			3	14	42
							Total	350	
Break	Summer 2025								
Semester 5	Fall 2025								
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
							Total	336	
Semester 6	Winter 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=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
EMPS101	Employment Skills	P=COMM160 or COMM161 or COMM170 or COMM171		1			1	14	14
							Total	322	
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)									