

MODEL ROUTE

School:	School of Engineering Technology and Applied Science	Program Number:	3415						
Program Title:	Computer Systems Technology - Networking Co-op	Credential:	<input type="checkbox"/> Certificate	<input type="checkbox"/> Graduate Certificate	<input type="checkbox"/> Degree	<input type="checkbox"/> Diploma	<input checked="" type="checkbox"/> Advanced Diploma		
Program Delivery Mode:	<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	Duration :	<input type="checkbox"/> 2 Semesters	<input type="checkbox"/> 3 Semesters	<input type="checkbox"/> 4 Semesters	<input checked="" type="checkbox"/> 6 Semesters	<input type="checkbox"/> 8 Semesters		
Campus:	Progress								
Intake:	Fall 2019 and Winter 2020								
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 2019 or Winter 2020								
CNET101	PC Hardware		3	3			6	14	84
CNET102	PC Operating Systems		3				3	14	42
CNET104	Technical Writing with Microsoft Office and Visio		2			ODL	2	14	28
CNET204	Introduction to Web Design		2			HYB	2	14	28
COMM160/161	College Communications 1			3			3	14	42
GNEED	General Education Elective			3			3	14	42
MATH149	Mathematics for Computer Systems 1			3			3	14	42
								Total	308
Semester 2	Winter 2020 or Summer 2020								
CNET124	Fundamentals of Computer Networks	P=(CNET101, CNET102) or COMP100 or ETEC116	2	2			4	14	56
CNET126	Electricity for Computer Systems		2	2			4	14	56
CNET205	Customer Skills	C=COMM170/171		2			2	14	28
CNET206	Introduction to UNIX/Linux	P=CNET102	2			HYB	2	14	28
CNET224	Data Communications	P= CNET101, CNET102	2	2			4	14	56
COMM170/171	College Communications 2	P=COMM160/161		3			3	14	42
MATH169	Mathematics for Computer Systems 2	P=MATH149		3			3	14	42
								Total	308
Break (Summer 2020)									
Semester 3	Fall 2020								
AMEG212	Applied Ethics in Technology & The Environment			2		ODL	2	14	28
CNET201	Fundamentals of Routing and Switching	P=CNET124 or ETEC116	4				4	14	56
CNET202	Windows Server Operating System	P=CNET101, CNET102	4				4	14	56
CNET219	The Physical Layer	P=CNET124, CNET126, MATH169, C=CNET225	2	2			4	14	56
CNET225	Introduction to Telephony	P=CNET124	4				4	14	56

COOP121	Employment Preplacement	P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed			1				1	14	14
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
Work Term 1 (Winter 2021)											
COOP222	Co-op Work Placement 1										
Semester 4 Summer 2021											
CNET221	Network Security	P=CNET201 or CNET217	2	2					4	14	56
CNET222	Network Services	P=CNET202	3						3	14	42
CNET229	Introduction to Business and ICT	P=COMM170/171		2			HYB		2	14	28
CNET232	Introduction to Programming	P=MATH149, MATH169	2	2					4	14	56
CNET306	UNIX/Linux	P=CNET206	2	2					4	14	56
CNET311	Routing and Switching	P=CNET201 or CNET217	4						4	14	56
GNED	General Education Elective			3					3	14	42
									Total		336
Work Term 2 (Fall 2021)											
COOP331	Co-op Work Placement 2										
Semester 5 Winter 2022											
CNET231	WAN Technologies	P=CNET311	4						4	14	56
CNET301	Network Design and Test	P=CNET201 or CNET217	2	2					4	14	56
CNET304	Wireless Technology	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
ENGL250	Report Writing in a Technical Environment	P=COMM170 or COMM171		2					2	14	28
									Total		350
Work Term 3 (Summer 2022)											
COOP332	Co-op Work Placement 3										
Semester 6 Fall 2022											
CNET239	Computer Forensics	P=CNET221	3						3	14	42
CNET321	Network Management	C=CNET327 P=CNET221	3						3	14	42
CNET323	Relational Database Management	P=CNET232	2	2			HYB		4	14	56
CNET324	Wireless Networks	P=CNET304	2	2					4	14	56
CNET327	Technologist Project	P=CNET301 and CNET304 and CNET305 and CNET307	3						3	14	42
CNET328	Internetwork Troubleshooting	P=CNET311	4						4	14	56
CNET329	Business and ICT	P=CNET229	1	2			ODL		3	14	42
									Total		336

Minimum Grade Required: D										
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Total Program Hours: 1988

C = Co-Requisite; P = Pre-Requisite

Notes:

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