

# MODEL ROUTE

<b>School:</b>	School of Engineering Technology and Applied Science	<b>Program Number:</b>	3405						
<b>Program Title:</b>	<b>Computer Systems Technology - Networking</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					
<b>Program Delivery Mode:</b>	<input type="checkbox"/> Co-Op <input type="checkbox"/> Online <input type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Non Co-op	<b>Duration :</b>	<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						
<b>Campus:</b>	<b>Progress</b>								
<b>Intake:</b>	<b>Fall 2018 and Winter 2019</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 2018 or Winter 2019</b>								
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				2	14	28
COMM160/161	College Communications 1			3			3	14	42
GNED	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 2019 or Summer 2019</b>								
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
								<b>Total</b>	<b>308</b>

Break (Summer 2019)

<b>Semester 3</b>	<b>Fall 2019</b>								
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
GNED500	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>336</b>
<b>Semester 4</b>	<b>Winter 2020</b>								
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			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
GNEED	General Education Elective			3			3	14	42
								<b>Total</b>	<b>336</b>
<b>Break (Summer 2020)</b>									
<b>Semester 5</b>	<b>Fall 2020</b>								
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=(CNET219, CNET224) or CNET217	2	2			4	14	56
CNET305	Voice and Video Over IP	P=CNET201 or CNET217, CNET225, CNET306	4				4	14	56
CNET307	IT Project Management	P=COMM170/171, CNET229 or COMP225 or ETEC225 or MATH180	1	2			3	14	42
CNET320	Data Centre	P=CNET221, CNET306	2	2			4	14	56
ENGL250	Report Writing in a Technical Environment	P=COMM170/171		2			2	14	28
								<b>Total</b>	<b>350</b>
<b>Semester 6</b>	<b>Winter 2021</b>								
CNET239	Computer Forensics	P= CNET201 or CNET217	3				3	14	42
CNET321	Network Management	C=CNET327 P=CNET221	3				3	14	42
CNET323	Relational Database Management	P=CNET104, MATH149	2	2			4	14	56
CNET324	Wireless Networks	P=CNET304 or CTEC222	2	2			4	14	56
CNET327	Technologist Project	P=CNET301, CNET304, CNET305, CNET307	3				3	14	42
CNET328	Internetwork Troubleshooting	P=CNET231	4				4	14	56
CNET329	Business and ICT	P=CNET229 or GNEED219	1	2			3	14	42
EMPS101	Employment Skills	P=COMM170/171		1			1	14	14
								<b>Total</b>	<b>350</b>
<b>Minimum Grade Required: D</b>									
								<b>Total Program Hours:</b>	<b>1988</b>
<b>C = Co-Requisite; P = Pre-Requisite</b>									
<b>Notes:</b>									
◆This course may be offered in one of the following modalities (Online, Hybrid or Blended)									