

MODEL ROUTE

School:

School of Engineering Technology and Applied Science

Program Number:

3468

Program Title:

Software Engineering Technician

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:

ONLINE

Department Code:

3515

Intake:

Fall 2024 and Winter 2025

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 2024 or Winter 2025								
COMM160/161	College Communications 1			3		ODL	3	14	42
COMP100	Programming 1		2	2		ODL	4	14	56
COMP120	Software Engineering Fundamentals		2	2		ODL	4	14	56
COMP213	Web Interface Design		4			ODL	4	14	56
GNED	General Education Elective			3		ODL	3	14	42
MATH175	Functions and Number Systems			3		ODL	3	14	42
								Total	294
Semester 2	Winter 2025 or Summer 2025								
COMM170/171	College Communications 2	P=COMM160 or COMM161		3		ODL	3	14	42
COMP122	Introduction to Database Concepts		2	2		ODL	4	14	56
COMP123	Programming 2	P=COMP100	2	2		ODL	4	14	56
COMP125	Client-Side Web Development	P=COMP100 and COMP213	2	2		ODL	4	14	56
COMP225	Software Requirements Engineering	P=COMP100, and, COMP120 or COMP391	2	2		ODL	4	14	56
COMP301	UNIX/Linux Operating Systems	P=COMP100	2	2		ODL	4	14	56
MATH185	Discrete Mathematics			3		ODL	3	14	42
								Total	364
Semester 3	Summer 2025 or Fall 2025								
COMP214	Advanced Database Concepts	P=COMP122	2	2		ODL	4	14	56
COMP228	Java Programming	P=COMP123	2	2		ODL	4	14	56
COMP229	Web Application Development	P=COMP123 and COMP125	2	2		ODL	4	14	56
COMP246	Software Systems Design	P=COMP123 and COMP225	2	2		ODL	4	14	56
ENGL253	Advanced Business Communications	P=COMM170 or COMM171		3		ODL	3	14	42
GNED500	Global Citizenship: from Social Analysis to Social Action			3		ODL	3	14	42
								Total	308
Semester 4	Fall 2025 or Winter 2026								
CNET307	IT Project Management	P=COMM170 or COMM171, and, CNET229 or COMP246	1	2		ODL	3	14	42
COMP212	Programming 3	P=COMP123	2	2		ODL	4	14	56
COMP231	Software Development Project 1	P=COMP228 and COMP229 and COMP246	2	2		ODL	4	14	56
COMP311	Software Testing and Quality Assurance	P=COMP123	2	2		ODL	4	14	56

COMP318 	Developing UI for Smart Devices	P=COMP123 and COMP225 and COMP228	2			ODL	2	14	28
EMPS101 	Employment Skills	P=COMM160/161 or COMM170/171, and, BTEC227 or COMP246 or CNET104 or CNET307 or ETEC223		1		ODL	1	14	14
GNED 	General Education Elective			3		ODL	3	14	42
								Total	294
Minimum Grade Required: D									

Total Program Hours:	1260
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Notes: