| | | MODE | L RO | UTE | | | | | |
|------------------------|--|---|---|------------------|-----------------------------|---|--|---------------|-------------|
| School: | School of Engineering Technology and Applied Science | Program Number: | 3439 ☐ Certificate ☐ Graduate Certificate ☐ Degree ☐ Diploma ☐ Advanced Diploma ☐ Centennial College Certificate | | | | | | |
| Program Title: | Software Engineering Technology Co-op, Fast Track | Credential: | | | | | | | |
| Program Delivery | ✓ Co-Op | Duration : | ☐ 1 Semesters ☐ 4 Semesters | | | | | | |
| Mode: | □ Non Co-op | Duration: | | ☐ 2 Seme | | 6 Semesters 8 Semesters | | | |
| Campus: | PROGRESS | Department Code: | 3515 | | | | | | |
| Intake: | Fall 2023 and Winter 2024 and Sumr | ner 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 3 | Fall 2023 or Winter 2024 or Summer | 2024 | | | | | | | |
| COMM170/171� | College Communications 2 | P=COMM160 or COMM161 | | 3 | | ODL | 3 | 14 | 42 |
| COMP123 | Programming 2 | P=COMP100 | 2 | 2 | | | 4 | 14 | 56 |
| COMP214 | Advanced Database Concepts | P=COMP122 | 2 | 2 | | | 4 | 14 | 56 |
| COMP228 | Java Programming | P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| COMP246 ❖ | Software Systems Design | P=COMP123 and COMP225 | 2 | 2 | | НҮВ | 4 | 14 | 56 |
| GNED � | General Education Elective | | | 3 | | ODL | 3 | 14 | 42 |
| GNED500� | Global Citizenship: from Social Analysis to Social Action | | | 3 | | ODL | 3 | 14 | 42 |
| Semester 4 | Winter 2024 or Summer 2024 or Fall | 2024 | | | | | | Total | 350 |
| COMP212 | Programming 3 | P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| COMP229 | Web Application Development | P=COMP123 and COMP125 | 2 | 2 | | | 4 | 14 | 56 |
| COMP254 | Data Structures and Algorithms | P=COMP228 | 2 | 2 | | | 4 | 14 | 56 |
| COMP304 | Mobile Apps Development | P=COMP228 | 2 | 2 | | | 4 | 14 | 56 |
| COMP311� | Software Testing and Quality Assurance | P=COMP123 | 2 | 2 | | НҮВ | 4 | 14 | 56 |
| COOP321�� | Employment Preplacement | P=COMM160/161 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed | | 1 | | ODL | 1 | 14 | 14 |
| MATH210 ❖ | Linear Algebra and Statistics | P=MATH175 and MATH185 | 2 | 2 | | НҮВ | 4 | 14 | 56 |
| M. 1.7 | C | 2025 | | | | | | Total | 350 |
| Work Term 1 COOP222 | Summer 2024 or Fall 2024 or Winter Co-op Work Placement 1 | 2025 | | | | | | | |
| COUFZZZ | co-op work riacement 1 | | | | | | | | |
| Work Term 2 | Fall 2024 or Summer 2025 or Fall 202 | 25 | | | | | | | |
| COOP331 | Co-op Work Placement 2 | | | | | | | | |
| | | | | | | | | | |
| Semester 5 | Winter 2025 or Summer 2025 | | | | | 1 | | | |
| CNET307� | IT Project Management | P=COMM170 or COMM171, and, CNET229 or COMP246 | 1 | 2 | | ODL | 3 | 14 | 42 |
| COMP216� | Networking for Software Developers | P=COMP100 | 2 | 2 | | НҮВ | 4 | 14 | 56 |
| COMP231� | Software Development Project 1 | P=COMP228 and COMP229 and COMP246 | 2 | 2 | | ODL | 4 | 14 | 56 |
| COMP303 | Enterprise Application Development | P=COMP214 and COMP228 | 2 | 2 | | | 4 | 14 | 56 |

| СОМРЗО8 | Emerging Technologies | P=COMP228 and COMP229 | 2 | 2 | | | 4 | 14 | 56 |
|-------------------|---|--|------------|---------|-------|-----|-------------|-----------|------|
| COMP321 ♦ | Enterprise Systems Integration | P=COMP246 | 2 | 2 | | НҮВ | 4 | 14 | 56 |
| | | | | | | | | Total | 322 |
| Break | Summer 2025 | | | | | | | | |
| Semester 6 | Fall 2025 or Winter 2026 | | | | | | | | |
| COMP255� | Business and Entrepreneurship for Software Engineering Technology | P=COMP225 | 3 | | | ODL | 3 | 14 | 42 |
| COMP306 | API Engineering and Cloud Computing | P=COMP212 and COMP229 | 2 | 2 | | | 4 | 14 | 56 |
| COMP307 | Software Security | P=COMP212 and COMP228 | 2 | 2 | | | 4 | 14 | 56 |
| СОМРЗО9 | Data Warehousing and Predictive Analytics | P=COMP214 | 2 | 2 | | | 4 | 14 | 56 |
| COMP313� | Software Development Project 2 | P=COMP231 and COMP303 and COMP304, or, COMP231 and COMP381 | 2 | 2 | | ODL | 4 | 14 | 56 |
| ENGL253 � | Advanced Business Communications | P=COMM170 or COMM171 | | 3 | | ODL | 3 | 14 | 42 |
| ELECT1 � | Technical Elective 1 | | 2 | 1 | | ODL | 3 | 14 | 42 |
| | | | | | | | | Total | 350 |
| Minimum Grad | de Required: D | | | | | | | | |
| | | | | | | | Total Progr | am Hours: | 1372 |
| C = Co-Requisite | e; P = Pre-Requisite | | | | | | | | |
| Notes: | | | | | | | | | |
| | may be offered in one of the following | | - | | | | | | |
| ♦♦ This cour | rse may be offered in a compressed de | livery 2 hours per we | ek for a 7 | week pe | riod. | | | | |
| Technical Electiv | ves: | | | | | | _ | | |
| | | | _ | | | ODL | 1 | 4.4 | 42 |
| COMP367� | DevOps Implementation | | 2 | 1 | | ODL | 3 | 14 | 42 |