

MODEL ROUTE

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|-------------------------------|---|-------------------------|--------------------------------------|--|---|--|--|--|--|
| School: | School of Engineering Technology and Applied Science | Program Number: | 3538 | | | | | | |
| Program Title: | Health Informatics Technology Co-op, Fast Track | Credential: | <input type="checkbox"/> Certificate | <input type="checkbox"/> Graduate Certificate | <input type="checkbox"/> Degree | | | | |
| | | | <input type="checkbox"/> Diploma | <input checked="" type="checkbox"/> Advanced Diploma | <input type="checkbox"/> Centennial College Certificate | | | | |
| Program Delivery Mode: | <input checked="" type="checkbox"/> Co-Op <input type="checkbox"/> Online <input checked="" type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid <input type="checkbox"/> Non Co-op | Duration : | <input type="checkbox"/> 1 Semesters | <input checked="" type="checkbox"/> 4 Semesters | | | | | |
| | | | <input type="checkbox"/> 2 Semesters | <input type="checkbox"/> 6 Semesters | | | | | |
| | | | <input type="checkbox"/> 3 Semesters | <input type="checkbox"/> 8 Semesters | | | | | |
| Campus: | PROGRESS | Department Code: | 3515 | | | | | | |
| Intake: | Fall 2021 and Winter 2022 | | | | | | | | |

| 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 |
|-------------|--------------|--------------------------------|-----------|---------------|-----------------------|--|--|------------|-------------|
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|---|---|-------------------------|---|---|--|--|---|--------------|------------|
| Semester 3 Fall 2021 or Winter 2022 | | | | | | | | | |
| COMM170/171 | College Communications 2 | | | 3 | | | 3 | 14 | 42 |
| COMP123 | Programming 2 | P=COMP100 | 2 | 2 | | | 4 | 14 | 56 |
| COMP214 | Advanced Database Concepts | P=COMP122 | 2 | 2 | | | 4 | 14 | 56 |
| COMP246 | Software Systems Design | P=COMP123 and COMP225 | 2 | 2 | | | 4 | 14 | 56 |
| COMP381 | Tools, Algorithms and Methods for HCIS | C=COMP214; P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| GNED500 | Global Citizenship: from Social Analysis to Social Action | | | 3 | | | 3 | 14 | 42 |
| | | | | | | | | Total | 308 |

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| Semester 4 Winter 2022 or Summer 2022 | | | | | | | | | |
| COMP212 | Programming 3 | P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| COMP228 | Java Programming | P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| COMP229 | Web Application Development | P=COMP123 and COMP125 | 2 | 2 | | | 4 | 14 | 56 |
| COMP311 | Software Testing and Quality Assurance | P=COMP123 | 2 | 2 | | | 4 | 14 | 56 |
| COMP380 | Structure of HCIS | P=COMP120 | 2 | 2 | | HYB | 4 | 14 | 56 |
| COOP321/421 | Employment Preplacement | P=COMM170/171 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 | | | 4 | 14 | 56 |
| | | | | | | | | Total | 350 |

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| Work Term 1 Summer 2022 or Fall 2022 | | | | | | | | | |
| COOP222 | Co-op Work Placement 1 | | | | | | | | |

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| Work Term 2 Fall 2022 or Summer 2023 | | | | | | | | | |
| COOP331 | Co-op Work Placement 2 | | | | | | | | |

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| Semester 5 Winter 2023 | | | | | | | | | |
| CNET307 | IT Project Management | P=COMM170 or COMM171, and, CNET229 or COMP225 | 1 | 2 | | ODL | 3 | 14 | 42 |
| COMP231 | Software Development Project 1 | P=COMP228 and COMP229 and COMP246 | 2 | 2 | | HYB | 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 |
| COMP321 | Enterprise Systems Integration | P=COMP246 | 2 | 2 | | HYB | 4 | 14 | 56 |
| COMP387 | Clinical Workflow and IT Solutions | | 2 | 1 | | ODL | 3 | 14 | 42 |

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| ENGL253 | Advanced Business Communications | P=COMM170 or COMM171 | | 3 | | | 3 | 14 | 42 | |
| Break | Summer 2023 | | | | | | | | | |
| | | | | | | | | Total | 350 | |
| Semester 6 | Fall 2023 | | | | | | | | | |
| COMP216 | Networking for Software Developers | P=COMP100 | | 2 | 2 | | | 4 | 14 | 56 |
| COMP255 ♦ | Business and Entrepreneurship for Software Engineering Technology | P=COMP225 | | 3 | | | ODL | 3 | 14 | 42 |
| COMP309 | 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, or, COMP231 and COMP305 and COMP391, or, COMP246 and COMP258 | | 2 | 2 | | HYB | | | |
| | | | | | | | | 4 | 14 | 56 |
| COMP383 | Data Security and Privacy Policies in HCIS | P=COMP380 | | 2 | 2 | | | 4 | 14 | 56 |
| COMP384 ♦ | Telehealth | P=COMP381 | | 2 | 2 | | ODL | 4 | 14 | 56 |
| GNEB | General Education Elective | | | | 3 | | | 3 | 14 | 42 |
| | | | | | | | | Total | 364 | |
| Minimum Grade Required: D | | | | | | | | | | |
| | | | | | | | | | Total Program Hours: | 1372 |

C = Co-Requisite; P = Pre-Requisite

Notes:

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