

# MODEL ROUTE

| <b>School:</b>                | School of Engineering Technology and Applied Science                                                                                                                                              | <b>Program Number:</b>                                                 | 3432                                                                                                                                                                                                                                                                |               |                       |                                                              |                                             |              |             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|--------------------------------------------------------------|---------------------------------------------|--------------|-------------|
| <b>Program Title:</b>         | <b>Software Engineering Technology - Artificial Intelligence Co-op, Fast Track</b>                                                                                                                | <b>Credential:</b>                                                     | <input type="checkbox"/> Certificate <input type="checkbox"/> Graduate Certificate <input type="checkbox"/> Degree<br><input type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input type="checkbox"/> Centennial College Certificate |               |                       |                                                              |                                             |              |             |
| <b>Program Delivery Mode:</b> | <input checked="" type="checkbox"/> Co-Op <input type="checkbox"/> Online<br><input checked="" type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid<br><input type="checkbox"/> Non Co-op | <b>Duration :</b>                                                      | <input type="checkbox"/> 1 Semesters <input checked="" type="checkbox"/> 4 Semesters<br><input type="checkbox"/> 2 Semesters <input type="checkbox"/> 6 Semesters<br><input type="checkbox"/> 3 Semesters <input type="checkbox"/> 8 Semesters                      |               |                       |                                                              |                                             |              |             |
| <b>Campus:</b>                | <b>PROGRESS</b>                                                                                                                                                                                   | <b>Department Code:</b>                                                | <b>3515</b>                                                                                                                                                                                                                                                         |               |                       |                                                              |                                             |              |             |
| <b>Intake:</b>                | <b>Fall 2022 and Winter 2023</b>                                                                                                                                                                  |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| Course Code                   | Course Title                                                                                                                                                                                      | Co/Pre Requisite (Course Code)                                         | Lab Hours                                                                                                                                                                                                                                                           | Lecture Hours | Field Placement Hours | Course Delivery<br>ODL=Online<br>BLD=Blended<br>HYB = Hybrid | Total Course Hrs<br>(Lab + Lecture + Field) | Weeks (14)   | Total Hours |
| Semester 3                    | <b>Fall 2022 or Winter 2023</b>                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| COMM170/171◆                  | College Communications 2                                                                                                                                                                          | P=COMM160 or COMM161                                                   |                                                                                                                                                                                                                                                                     | 3             |                       | ODL                                                          | 3                                           | 14           | 42          |
| COMP228                       | Java Programming                                                                                                                                                                                  | P=COMP123                                                              | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP229                       | Web Application Development                                                                                                                                                                       | P=COMP123 and COMP125                                                  | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP237                       | Introduction to Artificial Intelligence                                                                                                                                                           | C=MATH210<br>P=COMP123 and MATH175 and MATH185                         | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP246 ◆                     | Software Systems Design                                                                                                                                                                           | P=COMP123 and COMP225                                                  | 2                                                                                                                                                                                                                                                                   | 2             |                       | HYB                                                          | 4                                           | 14           | 56          |
| GNED500◆                      | Global Citizenship: from Social Analysis to Social Action                                                                                                                                         |                                                                        |                                                                                                                                                                                                                                                                     | 3             |                       | ODL                                                          | 3                                           | 14           | 42          |
| MATH210 ◆                     | Linear Algebra and Statistics                                                                                                                                                                     | P=MATH175 and MATH185                                                  | 2                                                                                                                                                                                                                                                                   | 2             |                       | HYB                                                          | 4                                           | 14           | 56          |
|                               |                                                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             | <b>Total</b> | <b>364</b>  |
| Semester 4                    | <b>Winter 2023 or Summer 2023</b>                                                                                                                                                                 |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| COMP214                       | Advanced Database Concepts                                                                                                                                                                        | P=COMP122                                                              | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP216◆                      | Networking for Software Developers                                                                                                                                                                | P=COMP100                                                              | 2                                                                                                                                                                                                                                                                   | 2             |                       | HYB                                                          | 4                                           | 14           | 56          |
| COMP247                       | Supervised Learning                                                                                                                                                                               | P= COMP228 and COMP237 and MATH210                                     | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP254                       | Data Structures and Algorithms                                                                                                                                                                    | P=COMP228                                                              | 2                                                                                                                                                                                                                                                                   | 2             |                       |                                                              | 4                                           | 14           | 56          |
| COMP311◆                      | Software Testing and Quality Assurance                                                                                                                                                            | P=COMP123                                                              | 2                                                                                                                                                                                                                                                                   | 2             |                       | HYB                                                          | 4                                           | 14           | 56          |
| COOP321◆◆                     | Employment Preplacement                                                                                                                                                                           | P=COMM170/171 minimum"C" grade; CGPA 2.5; 80% year 1 courses completed |                                                                                                                                                                                                                                                                     | 1             |                       | ODL                                                          | 1                                           | 14           | 14          |
| ENGL253◆                      | Advanced Business Communications                                                                                                                                                                  | P=COMM170 or COMM171                                                   |                                                                                                                                                                                                                                                                     | 3             |                       | ODL                                                          | 3                                           | 14           | 42          |
|                               |                                                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             | <b>Total</b> | <b>336</b>  |
| Work Term 1                   | <b>Summer 2023 or Fall 2023</b>                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| COOP222                       | Co-op Work Placement 1                                                                                                                                                                            |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
|                               |                                                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| Work Term 2                   | <b>Fall 2023 or Summer 2024</b>                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| COOP331                       | Co-op Work Placement 2                                                                                                                                                                            |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
|                               |                                                                                                                                                                                                   |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| Semester 5                    | <b>Winter 2024</b>                                                                                                                                                                                |                                                                        |                                                                                                                                                                                                                                                                     |               |                       |                                                              |                                             |              |             |
| CNET307◆                      | IT Project Management                                                                                                                                                                             | P=COMM170 or COMM171, and, CNET229 or COMP225                          | 1                                                                                                                                                                                                                                                                   | 2             |                       | ODL                                                          | 3                                           | 14           | 42          |

[illegible]