

# MODEL ROUTE

| <b>School:</b>                | School of Engineering Technology and Applied Science                                                                                                                                              | <b>Program Number:</b>            | 3429                                                                                                                                                                                                                                                                |                  |                             |                                                                 |                                                      |               |             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------|-----------------------------------------------------------------|------------------------------------------------------|---------------|-------------|
| <b>Program Title:</b>         | <b>Software Engineering Technology, 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 type="checkbox"/> Co-Op <input type="checkbox"/> Online<br><input checked="" type="checkbox"/> Fast Track <input type="checkbox"/> Hybrid<br><input checked="" 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 and Summer 2023</b>                                                                                                                                                  |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
| Course Code                   | Course Title                                                                                                                                                                                      | Co/Pre Requisite<br>(Course Code) | Lab<br>Hours                                                                                                                                                                                                                                                        | Lecture<br>Hours | Field<br>Placement<br>Hours | Course<br>Delivery<br>ODL=Online<br>BLD=Blended<br>HYB = Hybrid | Total<br>Course Hrs<br>(Lab +<br>Lecture +<br>Field) | Weeks<br>(14) | Total Hours |
| <b>Semester 3</b>             | <b>Fall 2022 or Winter 2023 or Summer 2023</b>                                                                                                                                                    |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
| 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                |                             | HYB                                                             | 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          |
|                               |                                                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      | <b>Total</b>  | <b>350</b>  |
| <b>Semester 4</b>             | <b>Winter 2023 or Summer 2023 or Fall 2023</b>                                                                                                                                                    |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
| 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 Application Development                                                                                                                                                                    | P=COMP228                         | 2                                                                                                                                                                                                                                                                   | 2                |                             |                                                                 | 4                                                    | 14            | 56          |
| COMP311                       | Software Testing and Quality Assurance                                                                                                                                                            | P=COMP123                         | 2                                                                                                                                                                                                                                                                   | 2                |                             | HYB                                                             | 4                                                    | 14            | 56          |
| ENGL253                       | Advanced Business Communications                                                                                                                                                                  | P=COMM170 or COMM171              |                                                                                                                                                                                                                                                                     | 3                |                             | ODL                                                             | 3                                                    | 14            | 42          |
| MATH210                       | Linear Algebra and Statistics                                                                                                                                                                     | P=MATH175 and MATH185             | 2                                                                                                                                                                                                                                                                   | 2                |                             | HYB                                                             | 4                                                    | 14            | 56          |
|                               |                                                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      | <b>Total</b>  | <b>378</b>  |
| <b>Break</b>                  | <b>Summer 2023 or Winter 2024</b>                                                                                                                                                                 |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
|                               |                                                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
| <b>Semester 5</b>             | <b>Fall 2023 or Summer 2024</b>                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |
| COMP231                       | Software Development Project 1                                                                                                                                                                    | P=COMP228 and COMP229 and COMP246 | 2                                                                                                                                                                                                                                                                   | 2                |                             | ODL                                                             | 4                                                    | 14            | 56          |
| COMP255                       | Business and Entrepreneurship for Software Engineering Technology                                                                                                                                 | P=COMP225                         | 3                                                                                                                                                                                                                                                                   |                  |                             | ODL                                                             | 3                                                    | 14            | 42          |
| COMP303                       | Enterprise Application Development                                                                                                                                                                | P=COMP214 and COMP228             | 2                                                                                                                                                                                                                                                                   | 2                |                             |                                                                 | 4                                                    | 14            | 56          |
| 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          |
| COMP309                       | Data Warehousing and Predictive Analytics                                                                                                                                                         | P=COMP214                         | 2                                                                                                                                                                                                                                                                   | 2                |                             |                                                                 | 4                                                    | 14            | 56          |
|                               |                                                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      | <b>Total</b>  | <b>322</b>  |
| <b>Semester 6</b>             | <b>Winter 2024 or Fall 2024</b>                                                                                                                                                                   |                                   |                                                                                                                                                                                                                                                                     |                  |                             |                                                                 |                                                      |               |             |

|                             |             |
|-----------------------------|-------------|
| <b>Total Program Hours:</b> | <b>1386</b> |
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**Notes:**

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

|         |                            |   |   |     |   |    |    |
|---------|----------------------------|---|---|-----|---|----|----|
| COMP367 | DevOps Implementation      | 2 | 1 | ODL | 3 | 14 | 42 |
| COMP377 | AI for Software Developers | 2 | 1 | ODL | 3 | 14 | 42 |