

## MODEL ROUTE

|                        |                                                                                                                                   |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------|------------|-------------|
| School:                | School of Engineering Technology and Applied Science                                                                              | Program Number:                                                    | 3429                                                                                                                 |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| Program Title:         | Software Engineering Technology, Fast Track                                                                                       | Credential:                                                        | <input type="checkbox"/> Certificate<br><input type="checkbox"/> Diploma                                             | <input type="checkbox"/> Graduate Certificate<br><input checked="" type="checkbox"/> Advanced Diploma                           | <input type="checkbox"/> Degree<br><input type="checkbox"/> Centennial College Certificate |                                                     |                                          |            |             |
| Program Delivery Mode: | <input type="checkbox"/> Co-Op<br><input checked="" type="checkbox"/> Fast Track<br><input checked="" type="checkbox"/> Non Co-op | <input type="checkbox"/> Online<br><input type="checkbox"/> Hybrid | <input type="checkbox"/> 1 Semesters<br><input type="checkbox"/> 2 Semesters<br><input type="checkbox"/> 3 Semesters | <input checked="" type="checkbox"/> 4 Semesters<br><input type="checkbox"/> 6 Semesters<br><input type="checkbox"/> 8 Semesters |                                                                                            |                                                     |                                          |            |             |
| Campus:                | PROGRESS                                                                                                                          | Department Code:                                                   | 3515                                                                                                                 |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| Intake:                | Fall 2024 and Winter 2025 and Summer 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 3             | Fall 2024 or Winter 2025 or Summer 2025                                                                                           |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| 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                                                                                                                               |                                                                                            |                                                     | 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          |
|                        |                                                                                                                                   |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          | Total      | 350         |
| Semester 4             | Winter 2025 or Summer 2025 or Fall 2025                                                                                           |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| 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          |
|                        |                                                                                                                                   |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          | Total      | 378         |
| Break                  | Summer 2025 or Winter 2026                                                                                                        |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
|                        |                                                                                                                                   |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| Semester 5             | Fall 2025 or Summer 2026                                                                                                          |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |
| 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          |
|                        |                                                                                                                                   |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          | Total      | 322         |
| Semester 6             | Winter 2026 or Fall 2026                                                                                                          |                                                                    |                                                                                                                      |                                                                                                                                 |                                                                                            |                                                     |                                          |            |             |

|                                  |                                    |                                                            |   |   |  |     |   |              |     |
|----------------------------------|------------------------------------|------------------------------------------------------------|---|---|--|-----|---|--------------|-----|
| 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 |  | HYB | 4 | 14           | 56  |
| COMP308                          | Emerging Technologies              | P=COMP228 and COMP229                                      | 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  |
| COMP321                          | Enterprise Systems Integration     | P=COMP246                                                  | 2 | 2 |  | HYB | 4 | 14           | 56  |
| EMPS102                          | Employment Skills 2                | P=COMM170 or COMM171                                       |   | 2 |  | ODL | 2 | 14           | 28  |
| ELECT1                           | Technical Elective 1               |                                                            | 2 | 1 |  | ODL | 3 | 14           | 42  |
|                                  |                                    |                                                            |   |   |  |     |   | <b>Total</b> | 336 |
| <b>Minimum Grade Required: D</b> |                                    |                                                            |   |   |  |     |   |              |     |