# MODEL ROUTE

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| **School:** | School of Engineering Technology and Applied Science | **Program Number:** | 3404 |

**Credential:** ☐ Certificate ☐ Graduate Certificate ☐ Degree ☑ Diploma ☐ Advanced Diploma ☐ Centennial College Certificate

**Program Title:** Computer Systems Technician - Networking

**Program Delivery Mode:** ☐ Co-Op ☐ Online ☐ Fast Track ☐ Hybrid ☑ Non Co-op

**Duration:** ☐ 1 Semesters ☑ 4 Semesters ☐ 2 Semesters ☐ 6 Semesters ☐ 3 Semesters ☐ 8 Semesters

**Campus:** PROGRESS **Department Code:** 3513

**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 |
|---|---|---|---|---|---|---|---|---|---|
| **Semester 1** | **Fall 2021 or Winter 2022** | | | | | | | | |
| CNET101 | PC Hardware | | 3 | 3 | | | 6 | 14 | 84 |
| CNET102 | PC Operating Systems | | 3 | | | | 3 | 14 | 42 |
| CNET124 | Fundamentals of Computer Networks | | 2 | 2 | | | 4 | 14 | 56 |
| COMM160/161◆ | College Communications 1 | | | 3 | | ODL | 3 | 14 | 42 |
| GNED | General Education Elective | | | 3 | | | 3 | 14 | 42 |
| MATH149 | Mathematics for Computer Systems 1 | | | 3 | | | 3 | 14 | 42 |
| | | | | | | | **Total** | | 308 |
| **Semester 2** | **Winter 2022 or Summer 2022** | | | | | | | | |
| AMEG212◆ | Applied Ethics in Technology & The Environment | | | 2 | | ODL | 2 | 14 | 28 |
| CNET201 | Fundamentals of Routing and Switching | P=CNET124 | 4 | | | | 4 | 14 | 56 |
| CNET205◆ | Customer Skills | P=COMM160 or COMM161 | | 2 | | ODL | 2 | 14 | 28 |
| CNET206◆ | Introduction to UNIX/Linux | P=CNET102 | 2 | | | HYB | 2 | 14 | 28 |
| CNET229◆ | Introduction to Business and ICT | P=COMM160 or COMM161 or COMM170 or COMM 171 | | 2 | | ODL | 2 | 14 | 28 |
| CNET232◆ | Introduction to Programming | P= CNET102 and MATH149 | 2 | 2 | | HYB | 4 | 14 | 56 |
| COMM170/171 | College Communications 2 | P=COMM160 or COMM161 | | 3 | | | 3 | 14 | 42 |
| MATH169 | Mathematics for Computer Systems 2 | P=MATH149 | | 3 | | | 3 | 14 | 42 |
| | | | | | | | **Total** | | 308 |
| **Break** | **Summer 2022** | | | | | | | | |
| | | | | | | | | | |
| **Semester 3** | **Fall 2022** | | | | | | | | |
| CNET202 | Windows Server Operating System | P=CNET101 and CNET102 | 4 | | | | 4 | 14 | 56 |
| CNET225 | Introduction to Telephony | P=CNET124 | 4 | | | | 4 | 14 | 56 |
| CNET307◆ | IT Project Management | P=COMM170 or COMM171, and, CNET229 or COMP246 | 1 | 2 | | ODL | 3 | 14 | 42 |
| CNET334 | System Scripting | P=CNET232 | | 3 | | | 3 | 14 | 42 |
| ENGL250 | Report Writing in a Technical Environment | P=COMM170 or COMM171 | | 2 | | | 2 | 14 | 28 |
| GNED500 | Global Citizenship: from Social Analysis to Social Action | | | 3 | | | 3 | 14 | 42 |

| Code | Course Name | Pre/Co-Requisite | | | | | | Total | Weeks | Hours |
|---|---|---|---|---|---|---|---|---|---|---|
| MATH269 | Statistics for Computer Systems | P= MATH149 | | 3 | | | | 3 | 14 | 42 |
| | | | | | | | | Total | | 308 |

| Code | Course Name | Pre/Co-Requisite | | | | | | Total | Weeks | Hours |
|---|---|---|---|---|---|---|---|---|---|---|
| CNET212 | Virtualization and Cloud Technologies | P=CNET202 | 2 | 2 | | | | 4 | 14 | 56 |
| CNET221 | Network Security | P=CNET201 or CNET217 | 2 | 2 | | | | 4 | 14 | 56 |
| CNET222 | Network Services | P=CNET202 | 3 | | | | | 3 | 14 | 42 |
| CNET227 | Technician Project | C=CNET222 P=CNET201 and CNET206, or, CNET217 | 3 | | | | | 3 | 14 | 42 |
| CNET304 | Wireless Technologies | P=CNET201 or CNET217 | 2 | 2 | | | | 4 | 14 | 56 |
| CNET311 | Routing and Switching | P=CNET201 or CNET217 | 4 | | | | | 4 | 14 | 56 |
| EMPS101 | Employment Skills | P=COMM160 or COMM161 or COMM170 or COMM171 | | 1 | | | | 1 | 14 | 14 |
| GNED | General Education Elective | | | 3 | | | | 3 | 14 | 42 |
| | | | | | | | | Total | | 364 |
| **Minimum Grade Required: D** | | | | | | | | | | |
| | | | | | | | Total Program Hours: | | | **1288** |

**C = Co-Requisite; P = Pre-Requisite**

**Notes:**
◈This course may be offered in one of the following modalities (Online, Hybrid or Blended)