## Cybersecurity

| SPRINGFIELD TECHNICAL COMMUNITY COLLEGE Cybersecurity Option  | WESTERN NEW ENGLAND UNIVERSITY Information Technology  |
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| GRADUATION REQUIREMENTS   | EQUIVALENT COURSES   |
| Semester 1  |  |
| CIT 101 CIT Foundations   | ***see below   |
| CMP 106 Computer Basics: Conc. & Apps.  | General Elective   |
| CIT 115/L Python Programming  | ***see below   |
| ENG 101 English Composition 1   | ENGL 132 English Composition I   |
| Elective: General Math Elective   | ** see below   |
| Semester 2  |  |
| CIT 130 UNIX  | IT 230 Introduction to OS/Scripts  |
| CIT 120 Windows   | General Elective   |
| CIT 160 Networks 1  | IT 250 Data Communications and Networks  |
| Elective: General Math Elective   | ** see below   |
| ENG 104 Technical and Professional Writing (or) ENG 102 Comp 2: Intro. to Literature <i>(recommended)</i>   | General Elective (or)<br>ENGL 133 English Composition II   |
| Semester 3  |  |
| CIT 165/L Networks Cloud, Virtualization and Infastructure  | IT 300 Level Elective  |
| CIT 250 Internet/Network Security 1   | General Elective   |
| Elective: Humanities  | * see below  |
| Two of the following: CIT 225 Computer Maintenance A+ CIT 117/L Python Programming 2 (recommended) CIT 201/201L Database Systems CIT 131 UNIX 2 (recommended) | CS/IT Elective CSIT 102 Introduction to Programming ***IT 300 Database Management Systems ***IT 310 System Operation & Admin. (Area 1) |
| Semester 4  |  |
| CIT 251 Advanced Information Security Topics  | IT 330 Fundamentals of Cybersecurity (Area 2)  |
| CIT 252 Information Security Capstone Project   | IT 430 Adv. Ethical Hacking (Area 2)   |
| CIT 162 Networks Configuration and Design   | IT 460 Adv. Topics in Network Admin. (Area 4)  |
| Elective: General Behavioral/Social Science   | * see below  |
| Elective: General Education   | * see below  |
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