**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**INFORMATION TECHNOLOGY/**

**CYBERSECURITY (A25590CY)**

Effective: Fall 2025

Revised: 01/14/25

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

**SEMESTER 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ACA120 | Career Assessment | 1 | 0 | 0 | 1 |
| or |  |  |  |  |  |
| ACA122 | College Transfer Success | 0 | 2 | 0 | 1 |
| CTI120 | Network & Sec Foundation | 2 | 2 | 0 | 3 |
| \*NET125 | Introduction to Networks | 1 | 4 | 0 | 3 |
| \*\*NET126 | Switching and Routing  | 1 | 4 | 0 | 3 |
| NOS110 | Operating Systems Concepts | 2 | 3 | 0 | 3 |
| SEC110 | Security Concepts | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **8** | **15** | **0** | **16** |

**SEMESTER 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CTI110 | Web, Pgm, I DB Foundation | 2 | 2 | 0 | 3 |
| ENG-110 | Freshman Composition | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| ENG111 | Writing and Inquiry | 3 | 0 | 0 | 3 |
| MAT143 | Quantitative Literacy | 2 | 2 | 0 | 3 |
| or |  |  |  |  |  |
| MAT171 | Precalculus Algebra | 3 | 2 | 0 | 4 |
| NOS120 | Linux/Unix Single User | 2 | 2 | 0 | 3 |
| SEC150 | Secure Communications | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **11** | **8** | **0** | **15** |

**SEMESTER 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| NOS220 | Linux/Unix Admin I | 2 | 2 | 0 | 3 |
| SEC160 | Security Administration I | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **4** | **0** | **6** |

**SEMESTER 4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CTS115 | Info Sys Business Concepts | 3 | 0 | 0 | 3 |
| HUM110 | Technology and Society | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| HUM115 | Critical Thinking | 3 | 0 | 0 | 3 |
| NOS230 | Windows Administration I | 2 | 2 | 0 | 3 |
| SEC175 | Perimeter Defense | 1 | 4 | 0 | 3 |
| SEC210 | Intrusion Detection | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **11** | **8** | **0** | **15** |

**SEMESTER 5**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| COM120 | Interpersonal Communication | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| COM231 | Public Speaking | 3 | 0 | 0 | 3 |
| PSY150 | General Psychology | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| SOC210 | Introduction to Sociology | 3 | 0 | 0 | 3 |
| SEC285 | Systems Security Project  | 1 | 4 | 0 | 3 |
|  | Major Elective | 3 | 2 | 0 | 5 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **10** | **6** | **0** | **14** |

**TOTAL REQUIRED CREDITS... 66**

**Work-Based Learning Option**: Qualified students may elect to take up to two (2) credit hours of Work-Based Learning in lieu of

 a Major elective provided they acquire approval from the Work-Based Learning Coordinator and the Department Chairperson.

**\*Note:** Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

\* First 8 weeks \*\* Second 8 weeks