**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**INFORMATION TECHNOLOGY/**

**ARTIFICIAL INTELLIGENCE DEVELOPMENT CERTIFICATE (C25590C39)**

Effective: Fall 2025

Revised: 01/14/25

The Artificial Intelligence certificate is designed to prepare individuals for employment as programmers in the Artificial Intelligence field through study and applications in Artificial Intelligence, logic, and programming procedures.

Students will solve business computer problems through the use of Artificial Intelligence.

Upon completion of this program, a student will have the necessary Artificial Intelligence and programming skills for an entry-level programming position in business, industry, and government organizations.

Length: 2 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Certificate

**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 |
| CSC113 | Artificial Intel. Fundamentals | 2 | 2 | 0 | 3 |
| CTI110 | Web, Pgm, I DB Foundation | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **4** | **0** | **7** |

**SEMESTER 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CSC114 | Artificial Intelligence Ing | 2 | 3 | 0 | 3 |
| CSC115 | Machine Learning I | 2 | 3 | 0 | 3 |
| CSC121 | Python Programming | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **6** | **9** | **0** | **9** |

**TOTAL REQUIRED CREDITS... 16**

**Work-Based Learning Option**: NA