**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**INFORMATION TECHNOLOGY/**

**PYTHON PROGRAMMING CERTIFICATE (C25590H8)**

Effective: Fall 2023

Revised: 01/20/23

The PYTHON programming certificate is designed to prepare individuals for employment as programmers in PYTHON through study and applications in computer concepts, logic, and programming procedures using the PYTHON programming language.

Students will solve business computer problems though programming techniques and procedures using the PYTHON language.

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

Length: 2 Semesters

Prerequisite: Placement Test Equivalent

Award: Certificate

**SEMESTER 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CIS115 | Intro to Prog & Logic | 2 | 3 | 0 | 3 |
| CTI110 | Web, Pgm, I DB Foundation | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **5** | **0** | **6** |

**SEMESTER 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| \*CSC121 | Python Programming | 2 | 3 | 0 | 3 |
| \*\*CSC221 | Advanced Python Programming | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **6** | **0** | **6** |

**TOTAL REQUIRED CREDITS... 12**

**Work-Based Learning Option**: NA

\* First 8 weeks

\*\* Second 8 weeks