**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**INFORMATION TECHNOLOGY/**

**DATABASE PROGRAMMING CERTIFICATE (C25590C5)**

Effective: Fall 2024

Revised: 02/07/24

The Database Programming certificate is designed to prepare individuals for employment in designing databases, determining information requirements of users; using technology systems and processes to devise means through which to gather and sort needed information; and implementing effective solutions for reporting necessary information using industry-standard database tools. Certificate holders may qualify for entry level/hands-on positions in this or a related area.

Students will solve business computer problems through database programming techniques and procedures.

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

Length: 3 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Certificate

**SEMESTER 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| DBA110 | Database Concepts | 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** |
| BAS150 | Intro to Analytical Program. | 2 | 3 | 0 | 3 |
| or |  |  |  |  |  |
| CIS115 | Intro to Prog & Logic | 2 | 3 | 0 | 3 |
| or |  |  |  |  |  |
| CSC121 | Python Programming | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **2** | **3** | **0** | **3** |

**SEMESTER 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| DBA120 | Database Programming I | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **2** | **2** | **0** | **3** |

**TOTAL REQUIRED CREDITS... 12**

**Work-Based Learning Option**: NA