## FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE

**SIMULATION AND GAME DEVELOPMENT/**

**3D PRINTING CERTIFICATE (C25450C5)**

Effective: Fall 2024

Revised: 01/31/24

Students learn the basics of 3D Modeling and texturing. Students apply 3D digital art and modeling to 3D, and gain experience with 3D printers.

Length: 3 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Certificate

### FALL SEMESTER 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| SGD114 | SGD 3D Modeling I | 2 | 3 | 0 | 3 |
| TDP110 | Introduction to 3D Printing | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **6** | **0** | **6** |

### SPRING SEMESTER 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ART120 | 3D Printing for the Artist | 2 | 3 | 0 | 3 |
| SGD116 | SGD Graphic Design Tools | 2 | 3 | 0 | 3 |
| TDP140 | Precision 3D Printing | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **6** | **9** | **0** | **9** |

**FALL SEMESTER 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| TDP289 | TDP Project | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **2** | **3** | **0** | **3** |

**TOTAL REQUIRED CREDITS.... 18**

**Work-Based Learning Option:** NA