**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**SIMULATION AND GAME DEVELOPMENT/**

**3D MODELING AND 3D PRINTING DIPLOMA (D25450D1)**

Effective: Fall 2019

Revised: 12/06/18

Length: 3 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Diploma

**FALL SEMESTER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ENG110 | Freshman Composition | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| ENG111 | Writing and Inquiry | 3 | 0 | 0 | 3 |
| SGD114 | 3D Modeling | 2 | 3 | 0 | 3 |
| TDP110 | Introduction to 3D Printing | 2 | 3 | 0 | 3 |
|  | Math Elective | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **9** | **8** | **0** | **12** |

**SPRING SEMESTER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ART120 | 3D Printing for the Artist | 2 | 3 | 0 | 3 |
| SGD116 | Graphic Design Tools | 2 | 2 | 0 | 3 |
| TDP140 | Precision 3D Printing | 2 | 3 | 0 | 3 |
|  | Major Elective | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **8** | **11** | **0** | **12** |

**SUMMER SEMESTER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| SGD172 | Virtual SG Environments | 2 | 3 | 0 | 3 |
| SGD214 | 3D Modeling II | 2 | 3 | 0 | 3 |
| TDP289 | TDP Project | 2 | 3 | 0 | 3 |
|  | Major Elective | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **8** | **12** | **0** | **12** |

**TOTAL REQUIRED CREDITS.... 36**

**Work-Based Learning Option**: Qualified students may elect to take up to three (3) 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.