# FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE

**GEOMATICS TECHNOLOGY (SURVEYING) (A40420)**

Effective: Fall 2021

Revised: 01/05/21

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

**Fall Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CEG151 | CAD for Engineering Technology | 2 | 3 | 0 | 3 |
| ENG111 | Writing and Inquiry | 3 | 0 | 0 | 3 |
| MAT171 | Precalculus Algebra | 3 | 2 | 0 | 4 |
| PSY150 | General Psychology | 3 | 0 | 0 | 3 |
| SRV110 | Surveying I | 2 | 6 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **13** | **11** | **0** | **17** |

**Spring Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CEG111 | Intro to GIS and GNSS | 2 | 4 | 0 | 4 |
| CIS110 | Introduction to Computers | 2 | 2 | 0 | 3 |
| or |  |  |  |  |  |
| CIS113 | Computer Basics | 0 | 2 | 0 | 1 |
| EGR115 | Intro to Technology | 2 | 3 | 0 | 3 |
| EGR250 | Statics/Strength of Mater | 4 | 3 | 0 | 5 |
| MAT172 | Precalculus Trigonometry  | 3 | 2 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **11** | **14** | **0** | **17** |

**Summer Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CIV111 | Soils and Foundations | 2 | 4 | 0 | 4 |
| SRV111 | Surveying II | 2 | 6 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **10** | **0** | **8** |

**Fall Semester 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CEG211 | Hydrology & Erosion Control | 2 | 3 | 0 | 3 |
| SRV210 | Surveying III | 2 | 6 | 0 | 4 |
| SRV220 | Surveying Law | 2 | 2 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **6** | **11** | **0** | **10** |

**Spring Semester 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| CEG230 | Subdivision Planning & Design | 1 | 6 | 0 | 3 |
| COM231 | Public Speaking | 3 | 0 | 0 | 3 |
| SRV240 | Topo/Site Surveying | 2 | 6 | 0 | 4 |
|  | Humanities/Fine Arts Elective | 3 | 0 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **9** | **12** | **0** | **13** |

**TOTAL REQUIRED CREDITS.... 65**

**Work-Based Learning Option:** NA

**2+2 Transfer:** Students desiring to pursue a Bachelors of Technology should take MAT 271 and PHY 151.

**Note:** Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.