

| SEMESTER 1 – FALL     |  |     |  |
|-----------------------|--|-----|--|
| COURSE NO             | COURSE TITLE   | CR  | PREREQUISITE   |
| (QL) Math Requirement | Could include: MAT 1030, 1035, 1050, 1055, 1210, STAT 1040, 2040 | 3.0 | Math with grade of C or higher within two years or ALEKS placement score |
| ENGL 1010 (CC)        | Introduction to Writing (Fall, Spr, & Sum)                       | 3.0 | ENGL 0990 (C- or higher) or appropriate placement score                  |
| PES 1097** (FE)       | Fitness for Life (Fall, Spr, & Sum)                              | 2.0 |  |
| SURV 1020             | Introduction to Surveying and Mapping (Fall Only)                | 1.0 |  |
| EGDT 1040             | Fundamentals of Technical Engineering Draw (Fall, Spr, & Sum)    | 3.0 |  |
| EGDT 1400             | Surveying Applications and Field Tech I (Fall, Spr, & Sum)       | 3.0 |  |

Semester Total 15.0

| SEMESTER 2 – SPRING           |  |     |  |
|-------------------------------|--|-----|--|
| COURSE NO                     | COURSE TITLE   | CR  | PREREQUISITE   |
| ENGL 2010 (CC)                | Intermed. Writing-Academic Writing and Research (Fall, Spr, & Sum) | 3.0 | ENGL 1010 with grade of C- or higher   |
| BIOL 1010** (BB)              | General Biology (Fall, Spr, & Sum)                                 | 3.0 |  |
| GEOG 2100** (SS)              | Geography of the United States (Spring Only)                       | 3.0 |  |
| GIS 3600                      | Introduction to GIS (Fall & Spring) → [GEOG 3600 Fall & Spring]    | 4.0 | EGDT 1400 and University Advanced Standing (see advisor)   |
| MATH 1060 or EGDT 1600 & 1610 | Trigonometry (Fall, Spr, & Sum)<br>Technical Math- Geometry/Trig   | 3.0 | MATH 1050 with grade of C or higher within past two years<br>MATH 0920 with grade of C- or appropriate placement score |

Semester Total 16.0

| SEMESTER 3 – FALL |   |     |  |
|-------------------|---|-----|--|
| COURSE NO         | COURSE TITLE                                      | CR  | PREREQUISITE                                       |
| BOT 2050** (BB)   | Field Botany (Fall Only)                          | 3.0 | BIOL 1010 or BOT 2400 recommended                  |
| EGDT 1720** (FF)  | Architectural Rendering (Fall, Spr.)              | 3.0 |  |
| PHIL 2050         | Ethics and Values (Fall, Spr, & Sum)              | 3.0 | ENGL 1010; ENGL 2010 highly recommended            |
| IM 2010           | Business Computer Proficiency (Fall, Spr, & Sum)  | 3.0 | IM 1010 recommended (completed with a B or better) |
| MKTG 2200         | Written Business Communication (Fall, Spr, & Sum) | 3.0 |  |

Semester Total 15.0

| SEMESTER 4 – SPRING |   |     |  |
|---------------------|---|-----|--|
| COURSE NO           | COURSE TITLE  | CR  | PREREQUISITE   |
| HIST 1740** (AS)    | US Economic History (Fall & Spring)                   | 3.0 |  |
| COMM 1020** (HH)    | Public Speaking (Fall, Spr, & Sum)                    | 3.0 |  |
| PHYS 1010** (PP)    | Elementary Physics (Fall, Spr, & Sum)                 | 3.0 |  |
| GIS 3620            | Advanced Geographic Information Systems (Spring Only) | 3.0 | GIS 3600 or GEOG 3600 & University Advanced Standing (see advisor) |
| SURV 1220           | Remote Sensing and Photogrammetry (Spring Only)       | 3.0 | MAT 1010 or higher or appropriate placement score                  |

Semester Total 15.0

\*\*These Recommended Courses can be substituted with another suggested course for General Education Requirements – **Check with your advisor!**

#### Surveying and Mapping Cohort Matriculation Requirements

For **BS in Surveying and Mapping**, students must matriculate into the annual **Cohort** (the final 2 years of the program) by either completing the **AS in Surveying and Mapping** or the following:

- All Surveying and Mapping students must complete a Matriculation Application by the appointed deadline during the Spring semester prior to the Fall cohort to which the student desires to gain entry. Subsequently official approval must be obtained from the Program Coordinator prior to taking any further Surveying and Mapping courses. Part-time students may be admitted into the annual cohort and may be allowed to proceed through the program at their own pace.
- Complete the **Business Computer Proficiency** exam with 80% or higher **OR** complete **IM 2010** (3.0 credit hours) with B- or higher

All Surveying and Mapping students must complete a **Matriculation Application by the last day of February during Semester 4** and receive official approval prior to taking any further Surveying and Mapping courses.

**SEMESTER 5 – FALL GROUP/COHORT**

| COURSE NO | COURSE TITLE   | CR  | PREREQUISITE                  |
|-----------|--|-----|-------------------------------|
| SURV 2010 | Land History of America (Fall Only)                  | 3.0 |                               |
| SURV 2320 | Property Descriptions and Public Land Records        | 3.0 | EGDT 1400                     |
| SURV 2400 | Surveying Applications and Field Techniques II       | 3.0 | EGDT 2400, GIS 3600           |
| SURV 451R | Surveying and Mapping Lecture Series (Fall & Spring) | 0.5 | (must be taken 4 times total) |
|           | * Elective   | 5.0 |                               |

Semester Total 14.5

**SEMESTER 6 – SPRING GROUP/COHORT**

| COURSE NO | COURSE TITLE   | CR  | PREREQUISITE                             |
|-----------|--|-----|--|
| SURV 2100 | Mapping from Field to Finish                         | 3.0 |  |
| EGDT 1060 | Microstation Infrastructure Design                   | 3.0 |  |
| SURV 3230 | Construction and Route Surveys (Spring Only)         | 3.0 | EGDT 2400, EGDT 1600 & 1610 or MATH 1060 |
| SURV 451R | Surveying and Mapping Lecture Series (Fall & Spring) | 0.5 | (must be taken 4 times total)            |
|           | * Elective   | 6.0 |  |

Semester Total 15.5

**SEMESTER 7 – FALL GROUP/COHORT**

| COURSE NO | COURSE TITLE   | CR  | PREREQUISITE                  |
|-----------|--|-----|-------------------------------|
| EGDT 2500 | Civil Design and Modeling (C3D)                        | 3.0 | EGDT 1040                     |
| SURV 3210 | Advanced Photogrammetry (Fall Only)                    | 3.0 | EGDT 1400 and MATH 1050       |
| SURV 3400 | Surveying Applications and Field Techniques III        | 3.0 |                               |
| SURV 451R | Surveying and Mapping Lecture Series (Fall & Spring)   | 0.5 | (must be taken 4 times total) |
| SURV 455G | Global Professional Ethics and Liabilities (Fall Only) | 3.0 | PHIL 2050                     |
|           | * Elective   | 3.0 |                               |

Semester Total 15.5

**SEMESTER 8 – SPRING GROUP/COHORT**

| COURSE NO | COURSE TITLE   | CR  | PREREQUISITE                  |
|-----------|--|-----|-------------------------------|
| EGDT 3500 | Advanced Civil Drafting and Design                   | 3.0 | EGDT 1040                     |
| EGDT 3450 | Civil Design Systems                                 | 3.0 | EGDT 2500, EGDT 3500          |
| GIS 3630  | GIS Application Development                          | 3.0 | SURV 3620 or GEOG 3650        |
| SURV 451R | Surveying and Mapping Lecture Series (Fall & Spring) | 0.5 | (must be taken 4 times total) |
| SURV 4930 | Senior Surveying and Mapping Capstone (Spring only)  | 4.0 |                               |
|           | * Elective   | 3.0 |                               |

Semester Total 16.5

\* Elective courses with the following prefixes: SURV, GIS, EGDT, ARC, ENGR, CIVE, PHYS, GEOG, CMGT, CS, ENST, or MATH for a total of 14 credit hours.

|   |             |
|---|-------------|
| Total Credits Required for Bachelor of Science in Civil Design & GIS (Mapping Focus): | 123 Credits |
|---|-------------|

**Graduation Requirements:**

1. Completion of a minimum of 121 semester credits required for a BS degree; at least 40 credit hours must be upper-division courses.
2. Overall grade point average 2.5 or above with a minimum of 3.0 GPA in all Surveying and Mapping courses including Core and Professional Focus Areas.
3. Residency hours: minimum of 30 credit hours of Surveying and Mapping courses through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Completion of GE and specified departmental requirements. Students are responsible for completing all prerequisite courses.
5. Successful completion of at least one Global/Intercultural course. (This is built into the program for you SURV 455G)

Visit the program website at: <https://www.uvu.edu/surveying>

Shandi Erickson  
 PHONE: (801) 863-6238  
 OFFICE: CS 635  
 EMAIL: [Shandi.Erickson@uvu.edu](mailto:Shandi.Erickson@uvu.edu)



Dan Perry  
 OFFICE: CS 704c  
 Phone: 801-863-8363  
 Email: [perrydl@uvu.edu](mailto:perrydl@uvu.edu)

**To schedule an appointment with your advisor you can:**

- Call the CET Advisement Center receptionist at (801) 863-8648

**Disclaimer:** It is the student's responsibility to verify all coursework and degree requirements for this degree.