

SEMESTER 1 – FALL			
COURSE NO	COURSE TITLE	CR	PREREQUISITE
Math Requirement (QL)	Could include: MAT 1030, 1035, MATH 1040, 1045, 1050, 1055, 1210, <b>STAT 1040</b> , 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 placement score
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 Techniques I (Fall, Spr, & Sum)	3.0	
MATH 1060 or EGDT 1600	Trigonometry or Technical Math- Algebra, Geometry & Trigonometry	3.0	MATH 1050 or 1055 with a grade of C or higher within two years Mat 0920 with a C- or better

Semester Total 16.0

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
ASTR 1040 (PP)	Elementary Astronomy (Fall, Spr)	3.0	
GEOG 130G** (SS)	Survey of World Geography	3.0	
PES 1097** (TE)	Personal Fitness (Fall, Spr, & Sum) or HLTH 1100 (3)	2.0	
MATH 1060 or EGDT 1610	Trigonometry or Technical Math- Algebra, Geometry & Trigonometry	3.0	MATH 1050 or 1055 with a grade of C or higher within two years Mat 0920 with a C- or better
MKTG 220G	Written Business Communications	3.0	

Semester Total 17.0

SEMESTER 3 – FALL			
COURSE NO	COURSE TITLE	CR	PREREQUISITE
BOT 2050** (BB)	Field Botany (Fall Only)	3.0	BIOL 1010 or BOT 2400
PHIL 2050	Ethics and Values (Fall, Spring, & Summer)	3.0	ENGL 1010; ENGL 2010 highly recommended
SURV 2310	Surveying US Public Lands (Fall Only)	3.0	EGDT 1400 and MATH 1060 or equivalent
SURV 2320	Property Descriptions and Public Land Records (Fall only)	3.0	ENGL 1010 and EGDT 1400
EGDT 2400	Surveying Applications and Field Techniques II (Fall, Spr, & Sum)	3.0	EGDT 1400 & (MATH 1060 or EGDT 1600)

Semester Total 15.0

SEMESTER 4 – SPRING			
COURSE NO	COURSE TITLE	CR	PREREQUISITE
HIST 1740** (AS)	US Economic History (Fall & Spring Only)	3.0	
COMM 1020** (HH)	Public Speaking (Fall, Spr, & Sum)	3.0	
PHYS 1010** (PP)	Introduction to Physics (Fall, Spr, & Sum)	3.0	
EGDT 1720** (FF)	Architectural Rendering (Fall, Spring, & Summer)	3.0	
GIS 3600 (Elective)	Introduction to GIS (Fall & Spring) → [GEOG 3600 Fall & Spring]	4.0	EGDT 1400 and University Advanced Standing (see advisor)

Semester Total 16.0

\*\*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
EGDT 1300	Structural Drafting and Design	3.0	EGDT 1040 with a grade of C- or higher
EGDT 2040	Piping Drafting	2.0	EGDT 1040 with a grade of C- or higher
SURV 2030	Geodesy (Fall Only)	3.0	EGDT 2400, MATH 1060 or EGDT 1600 and 1610, or high place score
SURV 2010	Land History of America (Fall Only)	3.0	
SURV 451R	Surveying and Mapping Lecture Series (Fall & Spring)	0.5	(must be taken 4 times total)
	Elective	3.0	

Semester Total 14.5

**SEMESTER 6 – SPRING GROUP/COHORT**

COURSE NO	COURSE TITLE	CR	PREREQUISITE
EGDT 1060	Microstation Infrastructure Design	3.0	
SURV 3230	Construction and Route Surveys (Spring Only)	3.0	EGDT 2400, MATH 1060 or EGDT 1600 and 1610, or high place score
SURV 1220	Remote Sensing and Photogrammetry (Spring Only)	3.0	MAT 1010 or higher or appropriate placement score
SURV 3340	Boundary Law (Spring Only)	3.0	
GIS 3620	Advanced Geographic Information Systems (Spring Only)	3.0	GIS 3600 or GEOG 3600 & University Advanced Standing (see advisor)
SURV 451R	Surveying and Mapping Lecture Series (Fall & Spring)	0.5	(must be taken 4 times total)

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
CMGT 3010	Construction Materials Testing	3.0	CMGT 1020 and (MAT 1010 or higher or EGDT 1600)
SURV 3220	Control Surveys (Fall Only)	3.0	SURV 2030 and SURV 3010
SURV 3400	Surveying Applications and Field Techniques III (Fall only)	3.0	EGDT 2400, GIS 3600, UAS
SURV 455G	Global Professional Ethics and Liabilities (Fall Only)	3.0	PHIL 2050
SURV 451R	Surveying and Mapping Lecture Series (Fall & Spring)	0.5	(must be taken 4 times total)

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 4930	Senior Surveying and Mapping Capstone (Spring only)	4.0	
SURV 451R	Surveying and Mapping Lecture Series (Fall & Spring)	0.5	(must be taken 4 times total)

Semester Total 13.5

Total Credits Required for Bachelor of Science in Surveying and Mapping (Civil Design and Mapping Focus):	123 Credits
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**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 Surveying and Mapping 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>

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**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.