

Surveying Technology, Certificate of Proficiency

The Certificate of Proficiency in Surveying Technology may be used to fulfill one of the educational options for licensure as a Professional Land Surveyor (PLS) in the State of Utah per Utah Administrative Rule R156-22-302c(3). This rule states that an individual with at least a bachelor's degree in a field related to land surveying or geomatics (ie. Civil Engineering or Construction Management) may attain the additionally required and enumerated college credits in surveying and mapping topics to fulfill the educational component for a Utah surveying license. This certificate meets this option for educational requirements. This certificate also prepares individuals without any college credit for immediate entry level employment in performing various field and office tasks such as site and topographic surveys, boundary investigation and research, cartography, survey adjustment calculations, writing of legal property descriptions, and other survey technician duties and responsibilities.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		28
Course Requirements		25 Credits
SURV 1020	Introduction to Surveying and Mapping WE	1
EGDT 1040	Fundamentals of Technical Engineering Drawing	3
EGDT 1400	Surveying Applications and Field Techniques I	3
SURV 1030	Fundamentals of Geodesy and Control Surveys	3
SURV 1220	Remote Sensing and Photogrammetry	3
SURV 1340	Fundamentals of Boundary Law	3
SURV 2100	Mapping From Field to Finish	3
SURV 2310	Surveying US Public Lands	3
SURV 2320	Property Descriptions and Public Land Records	3
Elective		3 Credits
Select one of the following recommended elective courses or one with a SURV or GIS prefix:		3
GIS 2800	Geographic Information Systems (undefined)	
SURV 2240	Fundamentals of Adjustments and Computations (undefined)	
SURV 2350	Ethics and Liabilities for Surveyors (undefined)	

Graduation Requirements

1. Completion of a minimum of 28 semester credits required for a Certificate of Completion in Surveying Technology
2. Overall grade point average 2.0 or above.
3. Residency hours: Minimum of 8 credit hours of Surveying and Mapping courses through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester 1	Credit Hours
MATH 1060 or equivalent is assumed to have been previously completed successfully.	
SURV 1020 Introduction to Surveying and Mapping WE	1
EGDT 1040 Fundamentals of Technical Engineering Drawing	3
EGDT 1400 Surveying Applications and Field Techniques I	3
Credit Hours	7
Semester 2	
SURV 1030 Fundamentals of Geodesy and Control Surveys	3
SURV 1220 Remote Sensing and Photogrammetry	3
SURV 1340 Fundamentals of Boundary Law	3
Credit Hours	9

Second Year

Semester 3

SURV 2310	Surveying US Public Lands	3
SURV 2320	Property Descriptions and Public Land Records	3
Credit Hours		6

Semester 4

SURV 2100	Mapping From Field to Finish	3
Select one of the recommended elective courses listed or one with a SURV or GIS prefix:		3
Credit Hours		6

Total Credit Hours		28
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Program Learning Outcomes

1. Implement the principles and practices of the professional Land Surveyor.
2. Integrate the professionals' role and responsibilities of protecting the land rights, title, and interest of the public.
3. Perform the common land surveys using professionally acceptable metrology and geodesy principles and practices.
4. Create maps using professionally acceptable drafting, design, and cartographic principles and practices.
5. Develop prudent ethical judgement and critical thinking skills in making professional decisions.