

## Surveying Technology, A.A.S.

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### Requirements

The AAS in Surveying Technology meets the educational component for licensure as a Professional Land Surveyor (PLS) in the State of Utah according to the State of Utah Office of Administrative Rules 156-22-302(c)(1).

This degree prepares students for immediate employment beyond entry level work in surveying or civil engineering firms.

Students will be prepared to perform many of the various field and office tasks related to surveying including site and topographic surveys, boundary investigation and research, map-making, various survey adjustment calculations, writing of legal property descriptions, and other survey technician duties and responsibilities.

### Total Program Credits: 63

Matriculation Requirements:			
Before being formally admitted into the AAS Surveying Technology degree program, full and part-time students must matriculate into the AAS Surveying and Mapping Cohort by completing a Matriculation Application on or before the July 15th deadline prior to the Fall cohort to which the student desires to gain entry. No courses may be taken until the student has been approved by the Surveying and Mapping Program Coordinator. Complete My Educator with an exam score of 80% or higher OR complete IM 2010 Business Computer Proficiency (3.0 credit hours) with B- or higher. All Surveying and Mapping students who have been matriculated into the Associate of Applied Science degree program must have access to their own laptop computer which can be made available during classes and which meets the minimum hardware specifications as defined by current AutoCAD® hardware specifications prior to starting classes in the semester for which they have matriculated.			
General Education Requirements:			12 Credits
	ENGL 1010	Introduction to Academic Writing	3
or	ENGH 1005	Literacies and Composition Across Contexts (5)	
	MKTG 2200	Written Business Communication GI WE (3)	3
Complete one of the following (Recommend EGDT 1600):			3
	EGDT 1600	Technical Math Algebra (3)	
	MATH 1060	Trigonometry QL (3)	
Complete any approved Humanities, Fine Arts, or Foreign Language Distribution Course. (Recommend COMM 1020)			3
	Any approved Biology or Physical Science Course (Recommend PHYS 1010)		3
Discipline Core Requirements:			51 Credits

Surveying and Technology Foundation			
	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
	EGDT 1610	Technical Math-- Geometry/Trig (3)	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 2010	Land History of America	3
	EGDT 2400	Surveying Applications and Field Techniques II	3
or	SURV 2100	Written Business Communication WE	3
	SURV 2310	Surveying US Public Lands	3
	SURV 2320	Property Descriptions and Public Land Records	3
	SURV 2350	Ethics and Liabilities for Surveyors	2
	GIS 2640	Fundamentals of Geographic Information Systems	3
Any lower division elective courses with the following prefixes: SURV, GIS, GEOG, EGDT, CIVE, CMGT, or MATH for a total of 12 credit hours			15

### Graduation Requirements:

1. Completion of a minimum of 63 semester credits required for a AAS degree
2. Minimum overall grade point average 2.0 or above.
3. Residency hours: Minimum of 20 credit hours of Surveying and Mapping courses through course attendance at UVU.

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### 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](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and Italicized.

Semester 1	Course Title	Credit Hours
MKTG 220G	Written Business Communication GI WE	3
EGDT 1600 or MATH 1060	Technical Math Algebra or Trigonometry QL	3
<i>SURV 1020</i>	Introduction to Geomatics WE	1
<i>EGDT 1040</i>	Fundamentals of Technical Engineering Drawing	3
<i>EGDT 1400</i>	Surveying Applications and Field Techniques I	3
SURV 2010	Land History of America	3
	Semester total:	16
Semester 2	Course Title	Credit Hours
COMM 1020	Public Speaking HH	3
<i>PHYS 1010</i>	Elementary Physics PP	3
<i>GIS 2640</i>	Fundamentals of Geographic Information Systems	3
EGDT 1610	Technical Math Geometry Trig	3
SURV 1030	Fundamentals of Geodesy and Control Surveys	3
	Semester total:	15
Semester 3	Course Title	Credit Hours
SURV 2100 or EGDT 2400	Mapping From Field to Finish or Surveying Applications and Field Techniques II	3
SURV 2320	Property Descriptions and Public Land Records	3
SURV 2310	Surveying US Public Lands	3
SURV 2350	Ethics and Liabilities for Surveyors	2
Elective		3
Elective		3
	Semester total:	17
Semester 4	Course Title	Credit Hours
	Any approved Physical Education, Health, Safety or Environmental Course	3
SURV 1220	Remote Sensing and Photogrammetry	3
SURV 1340	Fundamentals of Boundary Law	3
Elective		3
Elective		3
Elective		3
	Semester total:	15
	Degree Total	63