

| Semester 1 - FALL                                                                                                                                                                                                                                     |                                               |    |    |        |                                                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|----|--------|-------------------------------------------------|--|
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| EGDT 1600                                                                                                                                                                                                                                             | Technical Math 1                              | 3  | O  | F,S,Su | (MATH 1050 may be substituted here)             |  |
| EGDT 1040                                                                                                                                                                                                                                             | Fundamentals of Technical Engineering Drawing | 3  | O  | F,S,Su |                                                 |  |
| EGDT 1400                                                                                                                                                                                                                                             | Surveying Applications and Field Techniques I | 3  | F  | F,S,Su | (Fall semester section 3 ONLY may be offered H) |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 9  |    |        |                                                 |  |
| Semester 2 - SPRING                                                                                                                                                                                                                                   |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| EGDT 1610                                                                                                                                                                                                                                             | Technical Math 2                              | 3  | O  | F,S,Su | EGDT 1600 (MATH 1060 may be substituted here)   |  |
| SURV 1030                                                                                                                                                                                                                                             | Fundamentals of Geodesy and Control Surveys   | 3  | H  | S      |                                                 |  |
| SURV 1220                                                                                                                                                                                                                                             | Remote Sensing and Photogrammetry             | 3  | LS | S      |                                                 |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 9  |    |        |                                                 |  |
| Semester 3 - SUMMER                                                                                                                                                                                                                                   |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| *COMM 1020                                                                                                                                                                                                                                            | Public Speaking (HH)                          | 3  | O  | F,S,Su |                                                 |  |
| *ENGL 1010                                                                                                                                                                                                                                            | Introduction to Academic Writing              | 3  | O  | F,S,Su |                                                 |  |
| *GEOG 1300G                                                                                                                                                                                                                                           | Survey of World Geography GI (SS)             | 3  | O  | F,S,Su |                                                 |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 9  |    |        |                                                 |  |
| Semester 4 - FALL                                                                                                                                                                                                                                     |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| SURV 1700                                                                                                                                                                                                                                             | Fundamentals of Surveying Exam Prep 1         | 3  | LS | F      | EDGT 1600, 1610 or MATH 1060 or equivalent      |  |
| SURV 2310                                                                                                                                                                                                                                             | Surveying US Public Lands                     | 3  | H  | F      | EGDT 1400, MATH 1060 or equivalent              |  |
| SURV 1850                                                                                                                                                                                                                                             | Emerging Surveying and Mapping Technologies   | 3  | F  | F      | EGDT 1040, 1400                                 |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 9  |    |        |                                                 |  |
| Semester 5 - SPRING                                                                                                                                                                                                                                   |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| SURV 2350                                                                                                                                                                                                                                             | Ethics and Liabilities for Surveyors          | 3  | LS | S      |                                                 |  |
| SURV 1340                                                                                                                                                                                                                                             | Fundamentals of Boundary Law                  | 4  | H  | S      |                                                 |  |
| SURV 2100                                                                                                                                                                                                                                             | Mapping Field to Finish (6 Friday afternoons) | 3  | F  | S      | EGDT 1040, 1400, 1600 or MATH 1060              |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 10 |    |        |                                                 |  |
| Semester 6 - FALL                                                                                                                                                                                                                                     |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| SURV 2240                                                                                                                                                                                                                                             | Fundamentals of Adjustments and Computations  | 3  | O  | F      | EGDT 1610                                       |  |
| SURV 2320                                                                                                                                                                                                                                             | Public Land Records and Property Descriptions | 3  | H  | F      | MKTG 2200G or ENGL 1010, EGDT1400               |  |
| GIS 2800                                                                                                                                                                                                                                              | Geographic Information Systems                | 3  | O  | F      |                                                 |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 9  |    |        |                                                 |  |
| Semester 7 - SPRING                                                                                                                                                                                                                                   |                                               |    |    |        |                                                 |  |
| NO                                                                                                                                                                                                                                                    | COURSE DESCRIPTION                            | CR | M  | SEM    | Prerequisites                                   |  |
| SURV 2500                                                                                                                                                                                                                                             | The Business of Surveying                     | 2  | LS | S      |                                                 |  |
| SURV 2700                                                                                                                                                                                                                                             | Fundamentals of Surveying Exam Prep 2         | 3  | LS | S      | SURV 1700, 2240                                 |  |
| Semester Total                                                                                                                                                                                                                                        |                                               | 5  |    |        |                                                 |  |
| AAS degree Total Credits                                                                                                                                                                                                                              |                                               | 60 |    |        |                                                 |  |
| * Recommended GE courses for Surveying Technology students.                                                                                                                                                                                           |                                               |    |    |        |                                                 |  |
| <b>LEGEND for M=</b> Mode of delivery: F=Face-to-Face (in-person), O= Online (no set day or time), LS=Live Stream (meets online set days and times, H=Hybrid (Live Stream simultaneously with Face-to-Face). Courses offered in the evening are blue. |                                               |    |    |        |                                                 |  |

Visit the Surveying and Mapping Program Website: <https://www.uvu.edu/aed/surveying>

**Matriculation Requirements:** 1) Complete and Submit Matriculation Application, 2) Complete the IC3 Level 1 and MS Office Excel, Word, and PPTx Exams with a score of 80% or higher or completion of IM 1010 3) Have a Laptop that meets current AutoCAD hardware

**Graduation Requirements:**

1. Completion of a minimum of 60 semester credits required for an AAS degree
2. 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

**Academic Advisor**

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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.

**Legal Requirements to become a Professional Land Surveyor (PLS) in Utah**

**Educational Requirements**

Utah Administrative Code R156-22-302c states: In accordance with State of Utah Code Title 58-22-302(3)(c), an applicant applying for licensure as a professional land surveyor shall verify completion of one of the following land surveying programs affiliated with an institution that is recognized by the Council for Higher Education Accreditation (CHEA) and approved by the Division in collaboration with the Board:

- (a) an associates in applied science degree in land surveying or geomatics;
- (b) a bachelors, masters or doctorate degree in land surveying or geomatics;
- (c) an equivalent land surveying program that includes completion of a bachelors, masters or doctorate degree in a field related to land surveying or geomatics comprised of a minimum of 30 semester hours or 42 quarter hours of course work in land surveying or geomatics which shall include the following courses:
 

|                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| (a) successful completion of a minimum of one course in each of the following content areas: <ol style="list-style-type: none"> <li>(i) boundary law;</li> <li>(ii) writing legal descriptions;</li> <li>(iii) photogrammetry and remote sensing</li> <li>(iv) public land survey system;</li> <li>(v) studies in land records or land record systems;</li> </ol> | (b) the remainder of the 30 semester hours or 42 quarter hours may be made up of successful completion of courses from the following content areas: <ol style="list-style-type: none"> <li>(i) algebra, calculus, geometry, statistics, trigonometry, not to exceed six semester hours or eight quarter hours;</li> <li>(ii) control systems;</li> <li>(iii) drafting, not to exceed six semester hours or eight quarter hours;</li> <li>(iv) geodesy;</li> <li>(v) geographic information systems;</li> <li>(vi) global positioning systems;</li> <li>(vii) land development; and</li> </ol> |
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**Experiential Requirements (summary)**

Source reference: Utah Administrative Code R156-22-302g. Qualifications for Licensure -- Experience Requirements -- Specific to Professional Land Surveyor

50% Field and 50% Office experience working under the direct supervision of a licenced professional land surveyor (PLS) for the following periods whereas one year is considered 2000 hours per R156-22-302d(1)(2):

- |                                                      |                                              |
|------------------------------------------------------|----------------------------------------------|
| 6 years with an AAS degree in Surveying or Geomatics | 3 years with an MS in Surveying or Geomatics |
| 4 years with a BS in Surveying or Geomatics          | 2 years with a PhD in Surveying or Geomatics |

**Examination Requirements (summary)**

Source reference: Utah Administrative Code R156-22-302j. Qualifications for Licensure -- Examination Requirements for Professional Land Surveyor

Passing score for the NCEES FS examination

Passing score (75%) for the Utah Professional Land Surveyor Examination

Passing score for the NCEES PS examination. Prior to registering for the NCEES PS exam an applicant shall complete the educational requirements (R156-22-302c) and provide verification to NCEES of passing the NCEES FS examination.