The land surveying & mapping technology program prepares students to enter a high-tech profession that uses state-of-the-art equipment to determine the location and measurement of improvements and other physical features on the earth’s surface. Surveying is an integral component for land development by civil engineers, municipal planners, and the construction industry.

As a land surveying and mapping technician, one may conduct projects that include boundary, control, hydrographic, photogrammetric and engineering design surveys, with a typical client base of engineers, architects, municipalities, real estate and land developers, along with federal, state and local transportation agencies, and the petrochemical industry.

The associate of applied science degree is awarded for successful completion of at least 60 credit-hours as outlined in the college catalog. Students desiring to pursue a certificate may complete the 32 credit-hours certificate.

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LoneStar.edu/Land-Survey-AAS


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Land Surveying & Mapping Technology AAS Degree

Certificate I
32 Credits

- Introduction to Surveying
- Basic Computer-Aided Drafting
- Land Surveying
- Surveying Calculations I
- Learning Framework: 1st Year Experience
- Land Surveying Applications
- Introduction to GIS
- Surveying Calculations II
- Global Positioning System Techniques for Surveying & Mapping
- Capstone Exam Prep
- Surveying-Legal Principles I

AAS Degree
60 Credits

- Surveying - Legal Principles II
- Computer Aided Mapping
- College Algebra
- Composition & Rhetoric I
- GIS Applications
- OR
- Plane Surveying
- Advanced Plane Surveying
- Trigonometry
- General Elective
- Humanities/Fine Arts

Corporate College

Professional development opportunities are available for additional training and licensure.

Representative career titles and job positions for this program plan include:

- Survey Crew Chief
- Instrument Man-Field Survey
- Survey Technician

1Median Wage: Wages vary by position title and credentials


Position titles vary by employer and location.

Complete your Land Surveying & Mapping Technology AAS in 2 years!

For more information on gainful employment, visit LoneStar.edu/GainfulEmployment.

LoneStar.edu/Land-Survey-AAS