

CORE Curriculum for Land Surveyors

Elementary and Advanced Surveying - Minimum 15 hours

May include the following topics:

- Elementary Surveying
- Field Data Acquisition and Analysis
- Measurement Analysis and Data Adjustment
- Geodesy, Survey Astronomy and Geodetic Survey Computations
- Engineering Surveying
- Professional Survey Procedures
- Advanced Surveying/ Technical Projects
- Photogrammetry
- Subdivision/Roadway Design
- Route Surveying/Geomatics
- Surveying/Engineering Ethics

Boundary Surveying and Legal Principles - Minimum 6 hours

May include the following topics:

- Legal Principles of Land Surveying
- U.S. Public Land Survey System,
- Oklahoma State Specific Laws
- Evidence and Boundary Analysis

Geographical Communication and Land Development Principles - Minimum 6 Hours

May include the following topics:

- Computer Aided Drafting
- Site or Land Use Planning
- Remote Sensing Applications
- Geographic Information Systems
- Cartography
- Mapping

Mathematics (in addition to the Core Curriculum) - Minimum 3 Hours

May include the following topics:

- Trigonometry
- Analytical Geometry

Notes:

Depending on the course content, some courses may be eligible for partial credit towards the 30 hour requirement. For example, a course in Transportation Engineering usually qualifies for 1 hour of Advanced Surveying credit.

The 30 hours of credit in the Core Curriculum must be completed with a grade of "C" or above.