

CORE Curriculum for Land Surveyors

Subject

Elementary and Advanced Surveying

Minimum 15 hours

May include the following topics:

- Fundamental Surveying (Leveling, Traversing, etc.)
- Coordinate Geometry
- Area Calculations
- Earthwork Volume Calculations
- Topographical Surveying
- Horizontal Control Surveys Computations
- Vertical Control Surveys and Computation
- GPS
- Photogrammetry
- Route Surveying
- Construction Staking
- Roadway Design
- Technical Projects

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

Mapping and Land Survey Systems

Minimum 6 hours

May include the following topics:

- Computer Aided Drafting
- Subdivision drafting and design
- Data Management and Analysis
- Site or Land Use Planning
- Cartography
- GIS