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