

CERTIFICATE IN SURVEYING

Code	Title	Hours
CIVE 3720	Boundary Surveying	3
CIVE 3730	Geodetic and Control Surveying	3
CIVE 3760	Route and Construction Surveying	3
CIVE 3770	Cadastral Surveys and Ohio Land Systems	3
CIVE 4720	Boundary Control and Legal Principles	3
CIVE 4770	Legal and Ethical Aspects of Surveying	3
Total Hours		18

¹ Certificate will require background in CAD. Some pre-requisites may be required, consult department chair or undergraduate director for override details.

- Able to answer questions about Official Surveys of the United States.
- Able to answer questions about establishment and retracement of Public Land Survey System Surveys and Colonial Land Surveys.
- Able to answer questions about history of Land Systems in the United States and Original Ohio Land Subdivisions.
- Able to review the Official Surveys of the United States.
- Complete Route Surveying and Geometric Design including Horizontal, Vertical and Spiral Curves, Topographic Surveying and Mapping, Earthwork Volumes, and Construction Layout and Staking.
- Demonstrate knowledge of and analyze Statute and Common Law pertaining to Surveying and Property Rights, Interpretations and Methods to Describe Real Property, Minimum Standards for Surveys, Ethics for Professional Surveyors.
- Analyze Land Boundaries, Locating Points and Line for Boundaries, Historical Development of Boundaries.
- Analyze and interpret Rectangular System of Public Land Surveys, Systems to Describe Properties.
- Apply of Legal Principles to Boundary Analysis.