Michigan Technological University
Minor in Surveying
Program Code TSUM, Academic Year 2026-2027
Department of Civil, Environmental, and Geospatial Engineering
Minimum Credits Required: 19

Required Courses: 13 credits

- SU 2000 Introduction to Surveying (2) *Prereqs: none*
- SU 2050 Geospatial Computations (4) *Prereqs: SU2000*
- SU 3600 Surveying Computations and Adjustments (4) *Prereqs: SU2050 and (MA2320 or MA2321 or MA2330) and MA3710*
- SU 4060 Geodesy (3) *Prereqs: SU2050 and (MA2320 or MA2321 or MA2330) and MA2160*

Elective Courses: 6 credits

- FW 3540 An Introduction to GIS for Natural Resource Management (4) *Prereqs: MA2710 or MA2720 or MA3710 or ENVE3502 or CEE3502*
- SU 2220 Route and Engineering Surveying (3) *Prereqs: SU2050 or SU2000*
- SU 3110 Surveying Field Practice (4) *Prereqs: SU2220 and SU2050*
- SU 3180 Boundary Surveying Principles (3) *Prereqs: SU2000*
- SU 4100 Geodetic Positioning (3) *Prereqs: SU3600(C) and SU4060*
- SU 4142 Terrestrial LiDAR Scanning (3) *Prereqs: none*
- SU 4140 Photogrammetry and UAV Mapping (4) *Prereqs: none*
- SU 4180 Land Subdivision Design (3) *Prereqs: SU3180 and (CMG3200 or SU3210)*