

Who we are:

The Tennessee Department of Transportation provides citizens of Tennessee and travelers with one of the best transportation systems in the country. TDOT is a multimodal agency with responsibilities in building and maintaining roads, aviation, public transit, waterways, railroads, cycling and walking. Our involvement ranges from airport improvements to funding transit buses to planning for river ports.

The Department of Transportation has more than 3,400 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville and Jackson. TDOT's headquarters is located in downtown Nashville.

What we do:

The Geodetics Office is responsible for developing, implementing, and maintaining statewide policy, standards, specifications, and direction that promote uniformity and consistency across the Department. Other responsibilities include researching and implementing emerging technology and providing technical guidance; providing training, staff development, and support to Region Geodetics and other TDOT Divisions; delivery of aerial surveys and state-wide base mapping; management of the CORS network and other Geodetics systems; and collaboration with internal and external partners.

For more information on this division, please see link below:
<https://www.tn.gov/tdot/engineering->



TDOT Intern
Headquarters Geodetics
Location: Nashville, TN
Compensation: \$20.00/hourly

Overview

The Tennessee Department of Transportation is currently hiring a student intern for the Headquarters Geodetics office located in downtown Nashville, TN. This intern will work on various projects and base mapping to learn the basics of HQ Geodetics and aerial surveys at TDOT. These projects may include aerial photogrammetry obtained by airplane or UAV (unmanned aerial vehicles) or UAV LiDAR. The intern will also work with HQ Geodetics staff to learn how they support the Regions, develop policies and procedures, and maintain statewide Geodetic systems, such as the CORS network and control point database.

Responsibilities

- Work alongside Geodetic personnel to learn the role of HQ Geodetics
- Work with licensed UAV remote pilot to collect aerial imagery and LiDAR data.
- Upload and process UAV imagery in SiteScan.
- Assist with developing UAV work flows for other TDOT Divisions
- Fly with Aerial Survey Camera Operator in airplane to obtain aerial imagery.
- Work alongside base mapping staff to review and edit seamlines and DTMs in UltraMap.
- Use ArcGIS Pro to generate reports and maps.
- Attend Fundamentals ORD training and learn some survey functions in ORD.

Qualifications

- Civil Engineering, or land surveying major required.
- Junior, or Senior Class Status required as of May 2024 OR recent Graduate as of Spring 2023.
- Legally authorized to work in the U.S.
- Completion of land surveying or GIS coursework preferred.

To be considered for this position, please apply via [SurveyMonkey](#).

Please attach a two (2) page maximum résumé and a transcript to your application.

Applicants will be required to provide an academic portfolio showcasing academic achievements, experience, and knowledge.

Pursuant to the State of Tennessee's Workplace Discrimination and Harassment policy, the State is firmly committed to the principle of fair and equal employment opportunities for its citizens and strives to protect the rights and opportunities of all people to seek, obtain, and hold employment without being subjected to illegal discrimination and harassment in the workplace. It is the State's policy to provide an environment free of discrimination and harassment of an individual because of that person's race, color, national origin, age (40 and over), sex, pregnancy, religion, creed, disability, veteran's status or any other category protected by state and/or federal civil rights laws.