

UMPQUA COMMUNITY COLLEGE
JOB DESCRIPTION

Job Title: Public Lands Corp Facility and Civil Engineering Technician Crew Members

Division: Instruction

Classification: STUDENT HIRE

RESPONSIBLE TO: UCC Engineering Program Coordinator or Forestry Program Coordinator. Students will work under the supervision of US Forest Service (USFS) staff and will report to the Supervisor's Office in Roseburg.

GENERAL DESCRIPTION:

The participant of the program will work with the Engineering Work Group on the Umpqua National Forest in order to help meet Forest priorities related to facilities, recreation sites, water and wastewater systems, sign management (directional and regulatory), travel management, and minerals management. The participant will have the opportunity to train on and independently operate a suite of engineering tools including a robotic total station, tablets with agency developed data collection software, AutoCAD Civil 3D, ArcGIS, proprietary databases, and many others. The candidate will be required to familiarize themselves with U.S.D.O.T. Federal Highways Administration manuals such as the Manual on Uniform Traffic Control Devices (MUTCD) and Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects. Additionally, the participant will need to familiarize themselves with Forest Service specific supplements to the aforementioned manuals. Efforts conducted by the candidate will provide valuable information for future engineering project experience.

EXAMPLES OF DUTIES:

Essential Functions:

- Assessment of facilities and infrastructure
- Collecting field data
- Use of robotic total station
- Inventory of assessments and data collection
- Civil3D drafting of plans
- ArcGIS mapping
- Database entry and organization
- Troubleshoots with schematics, sketches, and drawings and under supervision of senior staff. Reads and interprets blueprints.
- Must have valid state drivers' cadence and able to operate passenger and pickups up to 10,000 GVW without restrictions due to past citations or limits on their license.
- Occasional use of 4x4 vehicle
- Being able to orient themselves using maps

Other duties as assigned by supervisor that are similar in nature to all items listed above.

Incidental Functions:

- Conducts self in professional manner as a representative of the college and USFS while working.

TYPICAL PHYSICAL DEMANDS AND WORK ENVIRONMENT:

- Work is in all weather conditions, will require at time significant physical exertion for long periods of time.
- Lifting and moving bulky items that wight 50+ lbs. or more with help from others and equipment as needed.
- Capacity to walk/hike on rough terrain.

QUALIFICATIONS:

- Umpqua Community College student that was registered for UCC classes in either Spring quarter 2022 or will register for classes during Summer quarter 2022
- Ability to interact and effectively communicate with people.

revised 02/15/22