



# Oregon Department of Forestry

## INTERN JOB DESCRIPTION

### State Forest Management Adaptive Management Unit in Salem

### Inventory and Monitoring Internship

#### Job Duties:

The Intern will learn and practice skills associated with a variety of tree, down wood, and non-tree vegetation measurement and a variety of monitoring approaches. They will become familiar with State Forest staff operations and at least several, if not all, districts with State Forest management responsibilities.

The primary focus of this position is to provide support to the State Forest field organization in the area of natural resource data collection. This position assists the Inventory Forester in administering forest inventory projects for State Forest lands and in maintaining permanent plot inventory installations. This position will assist the Research and Monitoring Coordinator to perform implementation monitoring sampling.

The Intern will gain experience in the following areas:

- Using all of the following tools: D-tape, Relaskop, Increment Borer, Compass, IR Distance Measuring Device, GPS (Global Positioning System) receiver, and hand-held Data Recorder.
- Using a compass and distance measuring techniques (pacing or range finders) to accurately establish cruise lines and plots on the ground.
- Logistical aspects of forestry work: map reading, navigation, orienteering, and operating a vehicle to gain access to work locations.
- Using a range finder, measuring tape, and/or pacing to accurately measure horizontal distances.
- Using a Relaskop or similar tools to accurately measure slopes, heights, diameters and BAF's for determination of cruise trees in a variable plot cruise.
- Application of field techniques for various cruise methods.
- Recognizing tree defect and making appropriate deductions.
- Accurately recording field data via field data recorder.
- Inputting data into a personal computer and generating cruise reports.
- Correctly identifying tree and vegetation species.
- Correctly identifying tree damaging insects and diseases.
- Using the following software programs: ArcView, HHSLI Inventory Program, SuperAce, MS Access, MS Excel, and MS Word.
- Aerial photo and orthophoto interpretation.
- Professional Services Contract Administration (for inventory cruising).
- Communicating with other ODF staff and field personnel, contractors, and the general public.

#### Other Activities:

- Intern may be assigned to respond to fire emergencies, either in direct support of fire action or filling in for those employees directly assigned to a fire.
- Participate in training as determined by the supervisor.

**Location:**

This position is located in Salem, Oregon. Actual work locations include all State Forests Districts: Astoria, Forest Grove, Tillamook, North Cascade, West Oregon, Western Lane, Coos, Southwest, and Klamath-Lake.

**Qualifications:**

You must be a college student currently enrolled in a forestry-related curriculum or program and be returning to college following the period of employment. A valid driver's license and the physical ability to perform strenuous work in a forest environment are required. Eligibility to work in the United States is required. Candidates with training in Forest Mensuration (cruising) are preferred. You may be required to provide a copy of your driving record.

**Working Conditions:**

- May sometimes require working alone in the forest environment.
- Requires photo interpretation and navigation skills.
- Requires traversing rugged, brushy, and difficult terrain.
- Requires working in inclement weather.
- Requires extensive driving on highways and forest roads.
- 50% or more of work is done in the forest for plot work, checking, subsampling, training, etc.
- Requires frequent overnight travel.
- Requires occasional altered work weeks.

**To Apply:**

Applications are accepted in January and February every year for the following summer. Any application received after that timeframe will be considered as vacancies allow. Application materials and instructions are available on the Oregon Department of Forestry website, [www.oregon.gov/ODF](http://www.oregon.gov/ODF), under the ODF Employment section. You may contact Human Resources at (503) 945-7290 for additional information.