



## Research Biometrician

This role is key to supporting the biomathematical research and development function of Rayonier's forest biometrics team. The research biometrician focuses on research and development of biomathematical systems. These systems are developed using a rapid application development (RAD) approach (e.x. developing R packages). Once applications are developed under the RAD approach, they are operationalized through close coordination with a Scientific Programmer, also reporting to the Biometrics Project Leader. The research biometrician also conducts applied research to enhance understanding of tree growth, wood properties and mensurational techniques which improve ability to predict forest inventory and yield. Another key focus area for the research biometrician is predicting forest inventory, and creating more efficient inventory designs, from LiDAR and other remotely sensed data. The research biometrician assists with engagement of university cooperatives to advance research and development within all the focus areas mentioned before, by attending cooperative meetings and working one-on-one with students and faculty across the Pacific Northwest and US South.

### Required Qualifications

- B.S. in Forestry & M.S. in Forest Biometrics, (Ph.D. preferred)
- Proficiency in forest modeling, sampling, growth and yield systems and statistical computing languages
- Strong interpersonal communication skills and ability to contribute in an individual and team environment
- Knowledge of statistical analysis and design and implementation of experiments
- Computer programming and software skills preferred: Python, C/C++, SVN (code control systems like Git), Woodstock, HTLM, ArcGIS, LaTeX, R and/or SAS. Experience working with remote sensed data (e.x. LAS files) and software (e.x. LASTOOLS, FUSION)

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