Department of Earth and Environmental Sciences  
Lab Manager

**General description:** The Department of Earth and Environmental Sciences at Vanderbilt University seeks a full-time, hard-money Lab Manager to oversee the use and maintenance of the department’s major equipment and analytical facilities. These principally include: (i) a ThermoFisher iCAP Q quadrupole ICPMS that can be attached to a Photon Machines 193 nm laser-ablation unit, (ii) a Tescan Vega3 LM environmental SEM with EDS, EBSD, and CL attachments, and (iii) a NorthStar ImagiX microCT scanner. In 2017 the department expects to add (iv) a ThermoFisher Delta-V isotope ratio MS with a GasBench II and Elemental Analyzer. The department also hosts a variety of supporting instrumentation and lab spaces. For this position we seek an individual who is motivated to interact with a diverse and enthusiastic group of faculty, staff, and students in the Earth and environmental sciences and related fields.

**Primary responsibilities:** Operation and maintenance of analytical instruments; development and refinement of analytical methods; training of users; establishment and enforcement of laboratory safety standards and protocols; data reduction and quality control; management of laboratory supplies and invoicing. **Additional opportunities:** Active engagement in research, both individually and in collaboration with faculty; participation in research proposals and funding applications; development of and participation in laboratory and training courses as instructor; professional development through short courses and conference attendance.

**Basic qualifications:** M.S. or Ph.D. in geoscience, chemistry, or physics, with prior experience in the operation and maintenance of analytical instrumentation. **Preferred skills and experiences:** Significant experience in mass spectrometry, electron microscopy, and/or imaging techniques; experience maintaining, troubleshooting, and repairing major analytical instruments; interest in learning new techniques and developing new methods; computer skills, including some programming experience; strong organizational, communication, and interpersonal skills; experience with lab and budget management; experience with geoscience topics and approaches.

**About the department:** Vanderbilt’s Earth and Environmental Sciences program is a collaborative, medium-sized community of 15 faculty and instructors, several post-docs and research staff, ~20 graduate students (MS, PhD), and ~25 undergraduate majors. We foster an open-minded, interactive setting with research based in the following areas: (i) atmospheric and climate sciences, (ii) ecology and paleobiology, (iii) geochemical and biogeochemical processes; (iv) magmatic processes and crustal evolution; (v) transport phenomena and sedimentary environments, and (vi) coupled physical-biological and human-environment interactions.

**Application process:** Interested parties can apply online via the *Work at Vanderbilt* website at [https://vanderuniv.taleo.net/careersection/jobdetail.ftl?job=1604599&lang=en#V3r6nyhM6Gw.email](https://vanderuniv.taleo.net/careersection/jobdetail.ftl?job=1604599&lang=en#V3r6nyhM6Gw.email), or go to the main website [http://www.vanderbilt.edu/work-at-vanderbilt/](http://www.vanderbilt.edu/work-at-vanderbilt/), click external applicants and search for the position 1604599. Application materials should include a CV/resume, a statement of interest specific to the position, and contact information for three references. Review of applications will begin August 15, 2016 and continue until the position is filled. Vanderbilt is an equal opportunity/affirmative action employer. Women and minorities are especially encouraged to apply.