



## Associate Professor or Professor of Geodetic Science

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Screen reader users may encounter difficulty with this site. For assistance with applying, please contact [hr-accessibleapplication@osu.edu](mailto:hr-accessibleapplication@osu.edu). If you have questions while submitting an application, please review these [frequently asked questions](#).

#### Current Employees and Students:

If you are currently employed or enrolled as a student at The Ohio State University, please log in to Workday to use the internal application process.

Welcome to The Ohio State University's career site. We invite you to apply to positions of interest. In order to ensure your application is complete, you must complete the following:

- Ensure you have all necessary documents available when starting the application process. You can review the additional job description section on postings for documents that may be required. You will be presented with the opportunity to attach up to five (5) documents in the Application Documents section. If necessary, please consider combining documents into one file.
- If you require any assistance with including the necessary documents in the application process, please reach out to [HRCconnection@osu.edu](mailto:HRCconnection@osu.edu).
- Resume parsing is not effective on documents which exceed one (1) page. As a result, it is not recommended to select Autofill with Resume when applying if using a resume or CV which exceeds one (1) page.
- Prior to submitting your application, please review and update (if necessary) the information in your candidate profile as it will transfer to your application.

#### Job Title:

Associate Professor or Professor of Geodetic Science

#### Department:

Arts and Sciences | Earth Sciences

Tenure faculty (regardless of rank) - persons with the titles of professor, associate professor, assistant

professor and instructor who serve on appointments totaling 50% or more service to the university and who are eligible for tenure or who have obtained tenure. Duties and responsibilities are assigned in accordance with the workload guidelines laid out in the pattern of administration of each faculty member's tenure initiation unit (TIU) and, as appropriate, regional campus; obligations will include research, service and/or teaching or clinical practice. These faculty will have earned doctorate or other terminal degree in the relevant field of study or possession of equivalent experience.

The School of Earth Sciences (SES) seeks a geodesist who will complement existing faculty and add further strength in its Division of Geodetic Science (DGS). We seek an instrumental, mathematical, or computational geodesist who is extending the theories and practice of geodesy, and developing novel applications of geodesy. Technical specialties of interest include physical geodesy, adjustment theory, inertial geodesy, satellite geodesy, and instrumental areas such as quantum gravity and chronometric geodesy. We are interested in candidates with a track record of research in, and teaching of geodesy; they can also have additional interdisciplinary research (e.g., using geodesy to study the atmosphere, biosphere, climate change, hydrology, cryosphere, sea level and oceanography, and tectonic movement). Candidates should be committed to our long term strategic plan that is focused on *Earth observations for geospatial intelligence & sustainable solutions*. There are opportunities for joint research involving areas of Earth science (e.g., within SES, in collaboration with the Byrd Polar and Climate Research Center, and/or the Department of Physics) as well as areas of mathematics, artificial intelligence, and "Big Data." Inquiries may be directed to Professor Loren Babcock at [babcock.5@osu.edu](mailto:babcock.5@osu.edu).

#### Performance Objectives

- Advance an internationally recognized research program that includes extramural grants and publications in leading peer-reviewed journals.
- Teach introductory and advanced courses including, but not necessarily limited to, physical geodesy, inertial geodesy, spectral analysis on spheres and ellipsoids, orbit analysis, and intermediate and advanced adjustment computations. Ideally, the candidate will extend our graduate catalog to new topics.
- Serve on committees within the university as well as professional organizations.

#### Qualifications:

*Required:* Ph.D. degree in geodesy or a closely related field. Evidence of a strong research trajectory and teaching experience in geodesy. Demonstrate a commitment to building a culturally diverse intellectual community, in line with The Ohio State University's Shared Values, described below.

*Desired:* Strong commitment to teaching at all levels. Demonstrated experience in inclusive pedagogy and mentoring is desirable. Demonstrated interest in interdisciplinary research and collaboration is also desirable. Strong communication and public speaking skills are desired.

#### How to Apply

To be considered, please submit your application electronically via Workday. Application materials must include:

- Cover letter
- Curriculum Vita (CV)
- Statement of Research
- Statement of Teaching and Mentoring

You will be sent an email with instructions to provide names and contact information for three reference letters [following submission of your application materials](#)

#### Additional Information:

##### The College

With more than 80 majors and 100 minors, the College of Arts and Sciences is the academic heart of the university. The Arts and Sciences provides extraordinary opportunities to collaborate across disciplines, blending creativity and analysis to truly be at the forefront of thought. The breadth and depth of knowledge in the college gives students and researchers the critical thinking and adaptability essential for a lifetime of success.

### Department Information

The School of Earth Sciences (<https://earthsciences.osu.edu>) in the College of Arts and Sciences at The Ohio State University is an international leader in education and research because of our vast resources, cutting-edge facilities, and outstanding faculty. Our School consists of 32 tenure-track faculty and offers B.A., B.S., M.S., and Ph.D. degrees to approximately 150 undergraduate and graduate students. We are consistently ranked among the best departments in the country by the U.S. News and World Report and the only academic department in the United States that offers degrees in both Earth Science and Geodetic Science. Our faculty members include NSF CAREER fellows, PECASE awardees, Fulbright Scholars, fellows of the American Geophysical Union (AGU), the Geological Society of America (GSA), the American Association for the Advancement of Science, and a member of the National Academy of Sciences. Multiple faculty hold major national awards from AGU, GSA, and other prestigious national and international distinctions.

### The University

Ohio State is a top-20 public university, and its Ohio State Wexner Medical Center, which is one of America's leading academic health centers, was recently ranked No. 4 on *Forbes'* list of best U.S. employers for diversity. Eligible Ohio State employees receive comprehensive benefits packages, including medical, dental and vision insurance, tuition assistance for employees and their dependents, and state or alternative retirement options with competitive employer contributions.

The Ohio State University's [Shared Values](#) include Excellence and Impact, Diversity and Innovation, Inclusion and Equity, Care and Compassion, and Integrity and Respect. Our university community welcomes differences, encourages open-minded exploration and courageous thinking, and upholds freedom of expression.

Ohio State is a dynamic community where opportunity thrives, and individuals transform themselves and their world. Positions are available in countless fields and specialties. Become a Buckeye and contribute to an incredible legacy that serves to guide our future and shape a better tomorrow.

The Ohio State University is committed to enhancing academic excellence. Recruiting, supporting, and retaining faculty of the highest caliber is a core component of this commitment. The Office of Academic Affairs (OAA) has established [Dual Careers and Faculty Relocation \(DCFR\)](#) to focus on supporting new and prospective faculty and their loved ones. Service offerings include dual careers partner consultations, identifying potential employers and/or employment opportunities, consultation and resources related to relocation, as well as identifying opportunities to engage on campus and in the surrounding community. While employment opportunities are not guaranteed, resources and consultation are provided to support the partners of new and prospective faculty as they are considering or transitioning to The Ohio State University.

In addition to being responsive to dual-career opportunities, we strongly promote work-life balance to support our community members through a suite of institutionalized policies. Ohio State is an [NSF ADVANCE](#) institution and a member of the [Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium \(HERC\)](#).

Located in Ohio's capital city, Ohio State's Columbus campus is near the center of a rapidly growing and diverse metropolitan area with a population of over 1.5 million. The area offers a wide range of affordable housing, many cultural and recreational opportunities, excellent schools, and a strong economy based on government as well as service, transportation, and technology industries. Additional information about the Columbus area is available [here](#). Beyond its Columbus campus, Ohio State has four regional campuses including Ohio State Lima, Ohio State Mansfield, Ohio State Marion, and Ohio State Newark, in addition to the College of Food, Agricultural, and Environmental Sciences (CFAES) Wooster Campus, which houses Ohio State ATI.

All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy, race, religion, sex, sexual orientation, or veteran status.

*Final candidates are subject to successful completion of a background check.*

Location:

Mendenhall Laboratory (0054)

**Position Type:**

Regular

**Scheduled Hours:**

40

**Shift:**

First Shift

The Ohio State University believes in diversity in people and ideas. What Ohio State does matters. And how we do it matters. When we are at our best, we make a real difference to people. Our size, breadth, geography, history and standard of excellence position us to drive the future of higher education. We believe that the university should be a place where people can work and learn together in a safe environment, free of violence, harassment, discrimination, exploitation, or intimidation. As such, finalists for any faculty position that carries tenure must sign an authorization and disclosure form, which will allow current or prior employer(s) to share information to the University regarding any findings of employment-related misconduct or disciplinary proceedings against a candidate and/or any pending investigations related to alleged misconduct. Such information shall include findings and pending investigations with respect to sexual harassment, violence, or harassment; research misconduct; financial fraud or misconduct; foreign influence violations, grant misuse or misconduct; and/or any other type of finding or pending investigation relating to a candidate's employer's policies and rules governing faculty conduct that may reasonably be expected to affect a candidate's appointment. If the University becomes aware of any past finding of misconduct or pending investigations that were not disclosed, Ohio State will treat that as a serious omission and reserves the right to rescind an offer or terminate employment.

*Final candidates are subject to successful completion of a background check. A drug screen or physical may be required during the post offer process.*

Thank you for your interest in positions at The Ohio State University and Wexner Medical Center. Once you have applied, the most updated information on the status of your application can be found by visiting the [Candidate Home](#) section of this site. Please view your submitted applications by logging in and reviewing your status. For answers to additional questions please review the [frequently asked questions](#).

The Ohio State University is an equal opportunity employer.

All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other basis under the law.

Applicants are encouraged to complete and submit the Equal Employment Identification form.

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