

Online Full-Time Faculty (Non-Tenure-Track) / Assistant or Associate Professor  
**TaeJae University**  
Seoul, South Korea

**School of Natural Sciences / Data Science and AI (Joint Appointment)**

The School of Natural Sciences and The School of Data Science and AI at TaeJae University jointly invite applications for a full-time, three-year renewable appointment as an Assistant Professor or Associate Professor in the natural sciences and data science discipline.

We are especially looking for a passionate educator who is interested in pushing the boundaries of higher education. TaeJae University, a brand-new undergraduate college based in Seoul, Republic of Korea, seeks to cultivate tomorrow's global leaders through its innovative teaching method and curriculum. Our students from around the world engage in diverse academic and co-curricular activities founded on active learning philosophy, rotating through TaeJae's global residential colleges. All courses are conducted through small, interactive online seminars in English, and faculty members have the flexibility to teach from anywhere in the world.

The new faculty member will be responsible for teaching undergraduate courses in mathematics, data science, and interdisciplinary natural science topics, beginning in Spring 2026. They will contribute to the development and instruction of courses such as general natural science courses, mathematical modeling, and interdisciplinary subjects. The faculty member will also have the opportunity to teach cross-disciplinary and capstone seminars aligned with their expertise in areas such as statistical modeling, quantum/nano technologies, sustainability, or data-driven scientific research. All courses should be designed and delivered in accordance with TaeJae's active online learning philosophy and its six core competencies: self-directed learning, critical thinking, creative thinking, communication and collaboration, diversity & empathy, and global harmony & sustainability.

The standard teaching load will be three courses per semester. Other responsibilities may include mentoring students, participating in faculty workshops, and serving on academic/administrative committees.

The starting salary is competitive and commensurate with qualifications and credentials. Faculty members will receive a range of benefits. An annual Professional Development Account Fund of \$3,000 is provided, which can be used to support the adoption of innovative teaching methods and the enhancement of

professional expertise, including the purchase of equipment such as a laptop computer and covering the expenses for attending academic conferences. The anticipated start date is March 2026, negotiable depending on each applicant's situation. New faculty members are expected to participate in online faculty workshops for active learning and course development during the winter prior to the start of the Spring 2026 semester. Separate contracts for course development and training during this period will be negotiated individually. There is no residency requirement for faculty members.

### **BASIC QUALIFICATIONS**

- Ph.D. in the natural sciences, the data sciences, and relevant discipline, or advancement to candidacy by the time of application

### **PREFERRED QUALIFICATIONS**

- Successful instructional experience at the undergraduate level
- Strong commitment to active learning pedagogies and a willingness to explore new teaching methods/technologies
- Demonstrated success in supervising students in research projects and other experiential learning settings
- Experience in designing and supervising virtual labs for undergraduate education for the science subjects
- Research experience in industry or research institutes with an interdisciplinary approach
- Proven experience in curricular design/planning, including the development of innovative and engaging course materials, assignments, and assessments
- Strong communication skills and the ability to work effectively with students and faculty from diverse cultural backgrounds

### **SALARY RANGE**

The salary for this position will range from \$65,000 to \$85,000 and will be based on the academic/industrial experiences of the candidate.

Please note that these qualifications are not strict requirements, and we welcome anyone who is passionate about teaching and learning and shares our commitment to innovation and excellence in higher education.

## DOCUMENT REQUIREMENTS

To apply, please submit the following documents by **30th September 2025** (Korea Standard Time)

1. Cover letter
2. CV
3. Teaching portfolio, including 1) teaching philosophy, 2) courses taught/prepared to teach, and 3) teaching evaluations
4. Copies of undergraduate and graduate transcripts
5. Optional: a sample lesson plan or lesson idea for a class of at least one of the following: '*Mathematics for Social and Natural Sciences*', '*Computational Mathematics for Diverse Applications*', '*Predictive Modeling and Analysis*', '*Data-Driven Scientific Research*', and '*Quantum Principles and Net Zero Design*'. Should you have any questions related to this, such as course description or course details, please contact the School of Natural Science ([mijung@taejae.ac.kr](mailto:mijung@taejae.ac.kr)) or the School of Data Science and Artificial Intelligence ([kjy@taejae.ac.kr](mailto:kjy@taejae.ac.kr))
6. List of contacts for the three letters of recommendation

application documents should be submitted either via email to [oa\\_faculty@taejae.ac.kr](mailto:oa_faculty@taejae.ac.kr)

All interviews and job talks will be held online. For further inquiries, please contact Taejae University's Office of Academic Affairs ([oa\\_faculty@taejae.ac.kr](mailto:oa_faculty@taejae.ac.kr))

Candidates selectively invited to the interview process will be required to develop a sample syllabus for one major course and conduct a teaching demonstration based on the course plan designed (in English). Detailed instructions will be provided in the future.