

The three physics departments (physics, geophysics, and astronomy) of the Graduate School of Science at Tohoku University are recruiting professors or associate professors through the education advancement program of Tohoku University. The successful applicants will be expected to teach undergraduate courses in English, while half of their efforts can be devoted to conducting their own research in one of the departments. They may apply for research funding and supervise graduate students (in coordination with their department).

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Physics departments, Graduate School of Science, Tohoku University
Education advancement program faculty (professor or associate professor)

Tohoku University plans to launch a new educational program in 2027 that includes undergraduate education in English. We are looking for professors or associate professors who will contribute in establishing this program, teach undergraduate courses in English, and interact with undergraduate students in the program.

1. Category : Two positions for Tenure or tenure-track professors or associate professors
2. Institution : Graduate School of Science, Tohoku University
6-3 Aramaki, Aoba-ku, Sendai, Japan
3. Affiliation : Department of Physics, Geophysics, or Astronomy in North Aoba-yama campus of Tohoku University
4. Job Description : Responsible for establishing and implementing educational programs to be launched in the 2027 academic year. The applicant is expected to teach approximately five physics courses per year (each course runs for half a year). Candidates of the courses include common courses for science and engineering 2nd year undergraduate ("quantum theory", "statistical physics", "relativity"), courses for physics 3rd/4th year undergraduate ("mathematical physics", "electromagnetism", "quantum mechanics", "statistical mechanics", "fluid dynamics", "elasticity mechanics"), and specialized courses in physics, astrophysics, or geophysics (depending on the specialty, physics: "particle and nuclear physics", "condensed matter physics", geophysics: "solid earth physics", "atmospheric and oceanic physics", "planetary and space physics", astronomy: "astronomy", "astrophysics"). Approximately half of the effort will be devoted to conducting one's own research in one of the departments. It is possible to apply for research funding and may supervise graduate students (subject to coordination with the affiliated department).
5. Term : Either as a five-year term or as a tenured position, depending on the candidate's prior academic achievements and professional experience. The retirement age in Tohoku university is 65. Subject to performance and institutional evaluation by the end of the fourth year, candidates appointed on a fixed-term basis may become eligible for transition to a tenured position upon demonstrating significant contributions to the university's educational programs.
6. Salary : (1) the annual salary will be based on the salary regulations of Tohoku University, in accordance with the staff salary regulations, not exceeding 9.57 million yen. As a guideline, for an associate professor with 5 years of research and teaching experience after obtaining a doctoral degree, the salary is approximately 8.2 million yen. (2) commuting allowance and single-person relocation allowance may be provided. (3) enrollment in the Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association, Employment Insurance, and Workers' Compensation Insurance.

7. Starting date : April 1, 2026
8. Working hours: Exempt employee (7 hours and 45 minutes of work per day is assumed)
9. Holidays: Saturdays, Sundays, annual paid leave, special leave, public holidays, and New Year's holidays (December 29 to January 3 of the following year)
10. Probationary period: Six months from the date of employment
11. Qualifications: (1) Educational background: Doctorate degree or expected to obtain one by the time of appointment. (2) Other: Ability to teach undergraduate courses in physics in English. Japanese language skills are not required, but being able to engage in basic daily conversations would be evaluated positively.
12. Required Documents: (1) Resume (use the university format available at https://c.bureau.tohoku.ac.jp/jinji-top/external/resume_cv/) (2) List of achievements (publications, conference presentations, awards, external funding) (3) Up to three publications and their summaries (describe the applicant's contributions) (4) Summary of previous research and teaching activities (up to 2 A4/letter pages) (5) Educational and research aspirations (up to 2 A4/letter pages; specify the department you wish to join and include details of lectures you can teach based on the job description) (6) Position applied for (Professor, Associate Professor, or either) (7) One letter of recommendation or opinion (to be submitted separately)
13. Application Deadline: October 30, 2025
14. Application Method and Contact Information: (1) Application documents should be created in PDF format and sent by email to the address below. Please wait to receive a confirmation reply. The subject line of the email should read "Application Documents for Advanced Education Faculty." Recommendation letters or opinion letters should also be in PDF format and sent directly by the recommender or opinion writer to the address below. The subject line should read "Recommendation Letter for Advanced Education Faculty (Applicant's Name)."
15. Selection: After screening with the applications, we will conduct interviews that include a mock lecture in English.
16. Address for Submission of Documents: koubo@epx.phys.tohoku.ac.jp
17. Inquiries: regarding details of the job description, contact chair of each department a) physics : Atsuko Ichikawa (atsuko.ichikawa.c6@tohoku.ac.jp +81-22-795-6730), b) geophysics : Yuto Katoh (yuto.katoh@tohoku.ac.jp +81-22-795-6516), c) astronomy : Masayuki Akiyama (masayuki.akiyama.e7@tohoku.ac.jp +81-22-795-6511)
18. Others: (1) Personal information obtained will not be used for any purpose other than this selection. (2) Tohoku university actively promotes gender equality. For more information on work-life balance support, please refer to the website: https://dei.tohoku.ac.jp/vision/consulting/for_family/

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