

Graduate Institute for Advanced Studies, SOKENDAI
[Astronomical Science Program]
Application Guidelines October 2024 (SOKENDAI Recommendation)
(Monbukagakusho: MEXT Scholarship Student)
SOKENDAI PGP (The International Priority Programs)
Priority Graduate Program: International Ph.D. Program on Quantum
Technology for Space~Particle~Material~Energy Science

1. General Prospectus

The Graduate University for Advanced Studies, SOKENDAI was founded on October 1, 1988 as one of the national universities of Japan. The basic idea of SOKENDAI is to develop a new system of postgraduate education in Japan. Its key features are as follows:

- 1) SOKENDAI offers both three-year and five-year doctoral programs.
- 2) SOKENDAI consists of 20 programs under one institute operated by 20 Inter-University Research Institutes and Independent Administrative Institutions (“parent institutions”)
- 3) Research and education are carried out in close cooperation with the parent institutions.
- 4) Broad and international visions are fostered by enhanced interchange among various institutions and other universities in Japan and abroad.

The parent institutions provide Japanese and foreign scientists with opportunities to conduct advanced joint research in various branches of science. They are equipped with extensive research facilities and function as centers for advanced studies. At present, they are cooperating in establishing a world-class program of postgraduate education in SOKENDAI.

[Admission Policy]

<What SOKENDAI expects of our grad students>

The Graduate University for Advanced Studies, SOKENDAI, seeks students who have a strong interest in research, who constantly hone their abundant intellect and sensitivity with the aim of conducting research that will open up a new era, while taking a “bird's-eye view” of the entire field of study, and who have the will and enthusiasm to be active on the international stage.

<Basic policy for the selection of our grad students>

In selecting students for admission, SOKENDAI places importance on basic academic ability and logical thinking ability to actively promote research in the cutting-edge 20 research institutes affiliated to SOKENDAI. In order to properly judge such abilities, various selections will be made according to the respective fields of specialization

2. Astronomical Science Program Outline

Astronomical Science Program offers advanced education and research through a wide range of observational and theoretical studies with state-of-the-art optical-infrared and radio telescopes. More specifically, this program covers development and application of advanced new technologies fundamental to astronomical observation, design, fabrication, and experimentation of new observational instruments, development of data acquisition and analysis methods, and development of technologies ranging from basic to advanced observational astronomy, as well as observational research using these technologies and theoretical research using supercomputers.

Webpage: <https://guas-astronomy.jp/eng/index.html>

3. SOKENDAI PGP Program Outline

This MEXT scholarship is offered for the special program “International Ph.D. Program on Quantum Technology for Space~Particle~Material~Energy Science” in SOKENDAI. The purpose of the program is to cultivate global researchers and highly skilled professionals of the next generation, who should lead researches on the development and application of quantum technology to contribute development of a sustainable society. In this special program, basic as well as applied research fields of space, particle, material, and energy sciences should be emphasized. The Graduate Institute for Advanced Studies of SOKENDAI will accept a total of eight outstanding students for 5-year Ph.D. programs starting in October of 2024 who are keen to study in the above fields under the name of this program. For this program, the application is open to anybody with any nationality of a country that has diplomatic relations with the Japanese government. At least 50% of the scholarship students are selected from Southeast Asian countries in this program.

4. Doctoral Degree Requirements

A Doctor of Philosophy degree shall be conferred on students who have satisfied the requirements of their respective doctoral programs as prescribed below.

[Five-year doctoral program]

Students must be enrolled in SOKENDAI for at least five years in principle; additionally, they must

earn the necessary credits, receive necessary research guidance, and pass the examination for a doctoral thesis. Students who are recognized as having achieved significant progress may be able to graduate in a shorter time frame.

5. Qualifications for Application

[Qualifications for the five-year doctoral program]

Applicants must fulfill one of the following conditions:

- 1) Applicants who have completed or are expected to complete a 16-year course of school education in a foreign country by the month preceding enrollment;
- 2) Applicants who have graduated or are expected to graduate from a Japanese university specified in Article 83 of the School Education Law by the month preceding enrollment;
- 3) Applicants who have been conferred or are expected to be conferred a degree equivalent to a bachelor's degree by the month preceding enrollment by completing an educational course of three or more years in a foreign university or in a foreign educational institute;
- 4) Applicants who have completed a 15-year course of school education in a foreign country by the end of the month preceding enrollment;
- 5) Applicants who have been recognized as having academic ability equivalent to a university graduate or higher by the individual screening of Admission Qualifications of SOKENDAI, and have attained the age of 22 years by the end of the month preceding enrollment.

Notes:

*Applicants who intend to apply under the provisions (4) or (5) are required to have qualification screening before the application can be submitted. If applicable, please contact the Student Affairs Section by email in advance.

*Other than above the qualifications 1) to 5), eligible applicants include those who otherwise satisfy or will satisfy the qualification requirements for general admission to SOKENDAI. If you have any questions regarding the qualifications for admission, please contact the Student Affairs Section in advance.

6. Application Procedures

[Application Period]

From October 13 to November 10, 2023, 5:00pm JST *

*The application must arrive no later than the last day of the application period without fail.

[Contact the prospective supervisor]

Before applying, the applicant must contact the prospective supervisor and confirm whether

he/she can accept the applicant if the applicant passes the examination.

[Application Method]

The applicant must submit the complete set of application documents either by mail or email. For the details, please confirm the following 1) and 2). The application must reach SOKENDAI no later than the application deadline, November 10, 2023, 5:00 pm JST.

1) mail

The complete set of application documents must be submitted by registered express mail or a similar service. If there are any problems with the submitted documents, SOKENDAI will contact the applicant via email.

Mailing address:

Student Affairs Section, Division of Academic and Student Affairs
The Graduate University for Advanced Studies, SOKENDAI
Shonan Village, Hayama, Miura, Kanagawa 240-0193 JAPAN
Telephone number +81-46-858-1526

2) email

The complete set of application documents must be submitted by email. If you attached files contain more than 10 megabytes, please send them separately and number each email subject. Also, when sending files, please attach them to your email directly, not using the uploaders. After receiving the applicant's email, SOKENDAI will send the applicant a confirmation email. If the applicant does not receive our email within a week after submitting the documents, please contact us.

Email address: gakusei@ml.soken.ac.jp (Student Affairs Section, SOKENDAI)

Note: If the applicant will be accepted enrollment, the applicant must submit the originals of official transcript and certification of graduation.

7. Selection Schedule and Method

We will carry out the selection in two steps. The first step is paper screening and the second step is interview. Only the applicants who passed the paper screening can proceed to the interview.

[Five-year doctoral program]

(1) Paper screening

We will review English score record (TOEFL iBT or IELTS), GRE Subject Test (Physics) Score Record and other application forms carefully and decide whether the applicant can proceed to

the interview. We will notify the result of the paper screening to the applicants via e-mail by two weeks before the interview day.

(2) Interview

We will ask applicants about their past studies, research plans, and other general matters. The interview will be held on December 8, 2023.

8. Announcement of Result

Preliminary admission and scholarship announcements will be sent in April 2024.

Final announcements will be sent by July 2024.

9. Contact details for inquiries

Student Affairs Section, Division of Academic and Student Affairs

The Graduate University for Advanced Studies, SOKENDAI

E-mail: gakusei@ml.soken.ac.jp

Application Guidelines for Japanese Government (Monbukagakusho: MEXT) Foreign Research Student Scholarship 2024 (SOKENDAI Recommendation)

The Ministry of Education, Culture, Sports, Science and Technology (MEXT) offers a Japanese government scholarship to foreign students who wish to study at SOKENDAI by its recommendation as follows.

1. Qualifications and conditions

1) Applicants:

The scholarship is offered to foreign students who have earned the equivalent level of a graduate with outstanding academic performance. The applicant must have a minimum GPA 2.3 or higher and are expected to maintain the equivalent level during the scholarship period.

2) Nationality:

The applicant must hold a nationality of a country that is specified by MEXT. The applicant who holds Japanese citizenship or a nationality of a country that is not specified by MEXT at the time of application is not eligible.

To see the list of specified nationalities, please confirm the following webpage.

https://www.soken.ac.jp/en/admission/mextscholarship/university_recommendation_pgp/file/specified_nationalities.pdf

3) Age:

The applicant must have been born on or after April 2, 1989.

4) Academic Background:

The applicant for the five-year doctoral program must have completed a 16-year course of study in the educational institutions of a foreign country or is expected to complete such course of study by September 30, 2024.

For the details, please see “4. Qualifications for Application” in the application guidelines above.

5) Study Area:

The study area must be in the same field as the applicant has studied or in a related one. The field of study must be one available at SOKENDAI.

6) Language ability:

The applicant must fulfill at least one of the requirements listed below.

- a) Holds an English proficiency test score equivalent to B2 or above on the CEFR (Common European Framework of Reference for Languages).

To see the CEFR Equivalency Chart, please confirm the following webpage.

https://www.soken.ac.jp/en/admission/application_info/ies/file/CEFR_1.pdf

- b) Has completed an educational program whose primary language of instruction is English that satisfies the entrance requirements to the Five-year doctoral program at SOKENDAI

7) Health:

The applicant must be physically and mentally healthy enough to pursue graduate studies at a university in Japan.

8) Arrival in Japan:

The applicant must be able to arrive in Japan on the dates designated by SOKENDAI in the period between the middle of September and the beginning of October, 2024 (the applicant who cannot arrive in Japan within the designated period should decline acceptance. Those who arrive in Japan before the designated date for personal reasons will NOT be provided traveling expenses to Japan).

9) Visa Requirement:

If selected, the applicant will be required to acquire a “Student (ryugaku)” visa in the home country prior to coming to Japan and enter Japan with “Student” status. Therefore, the successful applicant who is already in Japan under a different residence status must change his/her residence status to “Student” by the end of September 2024 and re-enter Japan with “Student” status. (The applicant who comes to Japan with a visa or residence status other than “Student” will NOT qualify for the Japanese government scholarship. Also, please note that the applicant who changes his/her residence status to any status other than “Student” after entry into Japan will lose his/her status as a Japanese government scholarship student.) Please be informed that there is a possibility that your application for the original residence status may not be approved after the period of MEXT scholarship student.

10) Others:

The student under the conditions stated below will NOT be considered as a candidate.

- a) Military personnel and military civilian employees registered on the active list;
- b) The applicant who is not able to arrive in Japan on the appointed dates;
- c) The applicant who has received the MEXT scholarship within the past three years; (However, this restriction does not apply to those who have been enrolled as a scholarship student in a Japanese language and culture program or as a scholarship student in the Japan-Korea Joint Undergraduate Course for Science and Engineering).
- d) The applicant who applies for another MEXT scholarship;

- e) The applicant who has already won a scholarship from another institution (including the government of their home country) other than MEXT.

Note:

For this program exclusively, those who reside in Japan and are enrolled in Japanese universities between the time of application and the beginning of the scholarship period are eligible to apply for this scholarship.

2. Term of Scholarship

[Five-year doctoral program]

The scholarship will be payable for two years (the first two years of the standard program term) (starting October 2024 and finishing September 2026). In order for the grantee to extend his/her scholarship till the end of the standard program term (till September 2029), he/she should make an application for the extension of the scholarship which must be approved by MEXT. Please note that depending on his/her academic achievement, his/her application will not necessarily be approved.

3. Scholarship Benefits

- 1) Scholarship amount:

The scholarship amount for 2024 has not been fixed yet.

For reference, the scholarship amount for 2023 is as follows.

Enrolled Doctoral Program	Amount of Stipend per month
1 and 2-year students of five-year doctoral program	147,000 yen
3 to 5-year students of five-year doctoral program,	148,000 yen

*In case the grantee's principal place of research is Mitaka campus. The amount may differ depending on the grantee's principal place of research.

The amount for 2024 may change depending on the budget conditions.

The scholarship will NOT be paid to the grantee who takes a leave of absence from the university or does not attend classes for an extended period of time.

- 2) Transportation to Japan:

According to his/her itinerary and route as designated by MEXT, the grantee will be provided an economy class air ticket from the international airport nearest to his/her home address to Narita airport, or the international airport in Japan nearest to the campus of SOKENDAI where the grantee is placed. Other expenses such as inland transportation

from his/her place of residence to the international airport, airport tax, and any special taxes on overseas travel, will NOT be provided. (The address stated in the application is considered as "home address of the grantee".)

Note that air tickets will NOT be issued to the grantee for a route from any country other than the country of his/her nationality.

3) Transportation from Japan:

For the grantee who returns to his/her home country by a specified date after the period of his/her scholarship has ended, MEXT will pay for an economy class air ticket from Narita airport or the international airport in Japan nearest to the campus of SOKENDAI where the grantee is placed to the international airport nearest to his/her home address.

* The grantee should purchase air travel insurance at his/her own expense.

* The airports for departure and return should be in the country of the grantee's nationality.

4) Education fee:

The fee for the matriculation and tuition at SOKENDAI will be paid by MEXT.

4. Recommendation and Selection

1) Scholarship Recommendation:

After screening at SOKENDAI, the President of SOKENDAI, recommends to MEXT applicants who have shown academic excellence.

2) Scholarship Selection:

Candidates are screened and selected by the selection committee from a pool of applicants recommended by presidents of all universities in Japan. Based on the results of screening and selection by the committee, MEXT selects grantees and their terms of scholarship.

3) Documents to be submitted:

- a) Application Form (Attached)
- b) Field of study and Research Plan (Attached)
- c) Photograph or digital image sized 4.5 cm x 3.5 cm taken within the past six months (Full-faced photograph. When photographed, the applicant must not wear a hat or cap hiding a part of his/her face or head. The applicant must write his/her name and nationality on the back of the photograph.)
- d) Proof of nationality (A copy of the applicant's passport is most preferable.)
- e) Certified academic records (originals or certified copies)

The applicant must submit certified academic records of each academic year of all universities attended (issued by the university attended.)

- Applicants must submit the Official Transcript of all academic years from the undergraduate school. If applicants who have master's or doctor's degrees must submit the Official Transcript from graduate schools

f) Diplomas or degree certificates (originals or certified copies)

The applicant must submit diplomas or degree certificates of all universities attended (or a document certifying that the applicant will graduate from the university by September 2024.)

- Applicants must submit the Certificate of Graduation from the undergraduate school. Applicants who graduated from graduate schools must submit the Certificate of Graduation from graduate schools.

- Applicants who have not yet graduated from a university must submit an attested document certifying that the applicant will graduate from the university before entering the doctoral program.

g) Proof of the applicant's academic level, such as the academic ranking in his/her previous university (e.g., GPA, ABC grading, ranking of academic achievement.)

h) A recommendation letter from the applicant's home institution, addressed to the President of SOKENDAI (original)

- A recommendation letter must be issued by The Dean or equivalent (or higher) of the applicant's current university, or the most recent university the applicant attended if he/she is not enrolled in any university.

i) Abstract of thesis

If the applicant has no thesis or publications, please submit a summary of his/her current research project.

j) Certificate of English proficiency

The applicant must submit a certificate of English in either way shown below.

- i Official score report, such as TOEFL iBT, IELTS, proving that the applicant has English proficiency equivalent to CEFR (Common European Framework of Reference for Languages) B2 level or above. Please note that the applicant must have taken one of the above tests after January 1, 2022
- ii A document certifying that the applicant has completed his undergraduate course studies in English.

[How to submit score record]

i. TOEFL iBT

Please submit the original official score report by one of the following methods.

- Applicants submit the original official score report by mail with application documents

- Applicants submit a copy of the official score report with application documents and make an arrangement for ETS to send the original official score report to SOKENDAI directly.

The Institution Code and Institution Name are as follows.

Institution Code: 7564

Institution Name: SOKENDAI (The Graduate University for Advanced Studies)

The score must be submitted to SOKENDAI within the application period. Please note that it takes six weeks or more to receive the score since applicants ask ETS to send it.

ii. IELTS

Please submit a copy of the official score report with application documents.

If any of the above scores will not be available before the submission due date, please contact the Student Affairs Section of SOKENDAI.

- k) GRE Subject Test (Physics) Score Report (five-year doctoral program only)
 - Note that the minimum GRE Subject Test (Physics) score in the paper screening is 700.
 - Applicants are strongly recommended to take GRE Subject Test (Physics) before September 25, 2023. The applicants who will take the GRE test on October 24, 2023, must follow the directions below: (i) include a copy of the registration confirmation e-mail from ETS to the application documents, (ii) send a screenshot of the online record to the Graduate Student Affairs Unit in NAOJ (daigakuin@nao.ac.jp) by e-mail, on or before November 24, 2023 and (iii) arrange the official records to be sent to SOKENDAI.
- l) Proof of the applicant's specific knowledge and capability in his/her field, such as a commendation for research achievement (optional)

5. Additional considerations

- 1) The documents above must be prepared in Japanese or English. If the documents are prepared in languages other than Japanese or English, the official English translation must be attached.
- 2) The documents above must be prepared using word-processing software. Print all required documents on A4 size paper. (if possible)
- 3) Admission may be withdrawn at any time even after enrollment if the application

documents are found to be invalid or contain false information.

6. Notes

- 1) The recipient of the MEXT scholarship may have his/her scholarship revoked in the following cases. In case the recipient wrongly receives the scholarship under the following circumstances, he/she may be required to return the scholarship for the period.
 - a) When the recipient has made false statements on the application;
 - b) When the recipient violates his/her contractual agreement with MEXT;
 - c) When the recipient has been the subject of disciplinary action at SOKENDAI;
 - d) When it becomes definitive that the recipient will not be able to graduate (or complete the program) within the standard program term because of his/her poor academic achievement or suspension;
 - e) When the recipient changes his/her "Student" visa status to some other status of residence;
 - f) When the recipient receives other scholarships (excluding grants for specific research projects);
 - g) When the recipient proceeds to a higher course without approval for the extension of the scholarship by MEXT;
 - h) When the recipient withdraws from SOKENDAI or transfers to a different graduate school.
- 2) If the recipient takes a leave of absence from SOKENDAI or does not attend classes for an extended period of time, he/she will NOT receive scholarship payments during the period.
- 3) Security Export Control: Depending on the specifics of the education and research instructions they wish to receive upon entering the doctoral program, applicants may be subject to regulations on the export/transfer of controlled technologies based on the Foreign Exchange and Foreign Trade Law. Please consult the Student Affairs Section for further details.