

Call for applications
Enrollment in Fall Semester of Academic Year 2024
(October 2024)

SESS

Leadership Development Program for Self-Evolving Smart Societies

Human Resource Development Program
Facilitating the Resolution of Global
Energy Challenges: Practical Global
Education through the Utilization of AI
and Quantum Science
(Called POST-AiQuSci in
this document)

PROGRAMS

SESS

*The " Leadership Development Program for Self-Evolving Smart Societies(SESS)" is an international graduate program offered by **the Graduate School of Informatics and Engineering at the University of Electro-Communications (UEC Tokyo)**. The program was selected to be part of the prestigious Japanese government (MEXT) special scholarship program, and started in the Fall Semester of academic year 2023.*

This program will develop human resources who will promote research on various elemental technologies to establish a mechanism of "UEC Super Sustainable Platform" by expanding on the efforts made at MICH. These high-level human resources will lead the solution of social issues and social reforms in their home countries, such as carbon neutrality, SDGs, and economic security. These advanced human resources will lead the solution of social issues and social reforms in their home countries, such as carbon neutrality, SDGs, and economic security. These highly skilled human resources will lead the solution of social issues and social transformation in their home countries, including carbon neutrality, SDGs, and economic security. They will be joined by Japanese students, who study the same curriculum to become global leaders with broad perspectives.

Human Resource Development Program Facilitating the Resolution of Global Energy Challenges: Practical Global Education through the Utilization of AI and Quantum Science (POST- AiQuSci) :

The "Human Resource Development Program Facilitating the Resolution of Global Energy Challenges: Practical Global Education through the Utilization of AI and Quantum Science " is an international graduate program offered by the Graduate School of Informatics and Engineering at the University of Electro-Communications (UEC Tokyo). The program was selected to be part of the prestigious Japanese government (MEXT) special scholarship program, and will start in the Fall Semester of academic year 2024.

This program aims to develop human resources who can proactively work on solving various global issues related to energy and contribute to social implementation in developing countries, etc., by utilizing the know-how cultivated in the existing programs, namely, "human resources who create AI" aiming to develop innovative AI based on quantum science and "human resources who use AI" aiming to realize a new society through the implementation of AI. The project aims to develop human resources who can contribute to solving global problems related to energy and to social implementation in developing countries, etc., and to build an international brain network (International Brain-Grid) based on such human resources.

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Course Overview

Students will pursue their desired major by enrolling in one of the following:

**Department of Informatics,
Department of Communication Engineering and Informatics
Department of Mechanical Engineering and Intelligent Systems
Department of Engineering Science,
Joint Doctoral Program for Sustainable Research**

Students in the programs will receive guidance in the **main field** and **subfield** in order to help students broaden their scope of study and experience. Students are encouraged to participate in various **educational and research events**.

IMPORTANT DATES

1. **Contact a potential supervisor ASAP**
2. **Deadline for submitting application documents**
January 17, 2024 (JST)
3. **Selection by the university**
February, 2024
4. **Notification of acceptance**
June, 2024
5. **Enrollment**
Fall Semester of academic year 2024 (October 2024)

An applicant of UEC's MEXT scholarship programs must not apply to other universities' MEXT scholarship programs. If it is found that the applicant has applied to two or more universities, they will be disqualified for application.

RECRUITMENT CAPACITY

SESS

Master's Course: 2 students

Doctoral Course: 6 students

Also open to 8 self-financed students and 16 Japanese students

Post AiQuSci

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Also open to 8 self-financed students and 16 Japanese students

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MEXT SCHOLARSHIP

If the annual GPA falls below 2.30/3.00, the student will lose their qualification as a MEXT scholar.

(1) Monthly Allowance

Master's course : 144,000 JPY per month (for 2years)

Doctoral course : 145,000 JPY per month (for 3 years)

A regional allowance of 2,000 yen or 3,000 yen per month will be added

The amount of payment may be subject to change each fiscal year.

(2) Admission & Tuition fees waiver is granted.

(3) Traveling Costs

Economy class air ticket from the international airport closest to their residence of nationality to the international airports in Tokyo

ELIGIBILITY

Age

Those who are born **on or after April 2, 1989.**

Exceptions might be made to those who lost due to educational opportunities due to war, military service, etc.

Contact the International Student Office in such cases.

Nationality

Mainly from the "Focus Countries". MEXT regulations allow us to recommend up to two students of nationalities other than the "Focus Countries" for each programs.

Health

Applicants must be physically and mentally healthy enough to pursue their studies.

Grades

Academic achievements in terms of Grade Point Average on the JASSO evaluation scale (GPA) must be 2.30 or higher. UEC will calculate your GPA, so submit the transcript and the grade evaluation scale of your university to your prospective supervisor first.

Classification	Grade				
4-level rating		優 (Excellent)	良 (Good)	可 (Average)	不可 (Fail)
5-level rating	S	A	B	C	F
5-level rating	100 -90	89 - 80	79 - 70	69 - 60	59 - 0
Grade Points	3	3	2	1	0

(GPA Formula)

$$\frac{([\text{No. of GP3 Credits}] \times 3) + ([\text{No. of GP2 Credits}] \times 2) + ([\text{No. of GP1 Credits}] \times 1) + ([\text{No. of GP0 Credits}] \times 0)}{\text{Total Number of Registered Credits}}$$

Total Number of Registered Credits

* No. = Number * GP = Grade Point

*In addition, supervisor may ask you to submit the result of your GRE(Graduate Record Examination) test and other tests.

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Field of Study

Applicants must apply for the fields of study that they specialized at their previous university or those that are related.

Language Proficiency

The following language skills are required either for English or for Japanese.

[Japanese]

- a) Those who have passed Japanese Language Proficiency Test Level N2 or higher.
- b) Those who have obtained an academic degree using Japanese as the main language.
- c) Those who are recognized by the UEC as having language skills equivalent to the conditions in a) above.

[English]

- a) Those who have qualifications and scores equivalent to B2 of Common European Framework of Reference for Languages (CEFR).
- b) Those who have obtained an academic degree using English as the main language.
- c) Those who are recognized by the UEC as having language skills equivalent to the conditions in a) above.

CEFR	Cambridge English Scale				IELTS	TOEFL iBT	TOEIC L&R	
	Listening	Reading	Writing	Speaking			Listening	Reading
C2	230				9.0			
C1	200				8.5			
	199				8.0	120		
B2							490-	455-
	180				7.0	95		
B1	179				6.5	94		
							400-	385-
B1	160				5.5	72		
	159	B1			5.0	71		
B1		B2 First / for Schools					275-	275-
	140				4.0	42		

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VISA

Applicants must enter Japan with the resident status of "Student", having obtained the new visa prior to traveling to Japan. The visa is to be issued by the Japanese embassy or consulate in the applicant's country of nationality. Applicants should be aware that the scholarship will be cancelled if they arrive in Japan without a newly obtained "student" visa.

NON-ELIGIBILITY

Those who have any one of the following conditions are ineligible. If identified ineligible after being selected as a scholarship student, they must withdraw from the scholarship:

1. Those who are military personnel or military civilian employees at the time of their arrival in Japan or during the period of the payment of the scholarship.
2. Those who cannot arrive in Japan by the last date of the period specified by MEXT or UEC.
3. Those who were students of Japanese Government (MEXT) scholarship programs before (including those who withdrew from the scholarship program after arrival in Japan).

This does not apply to: those who have educational or work experience exceeding more than three years; students of Japanese Studies Students Program who have graduated or are going to graduate from universities in their home countries; students of Japan-Korea Joint Government Scholarship Program for the Students in Science and Engineering Departments; students of Young Leaders' Program; students who received the Monbukagakusho Honors Scholarship for Privately-Financed International Students.

4. An applicant who is also applying for another AY2024 Scholarship program offered by the Japanese Government (MEXT).
5. Those who are already enrolled in a Japanese university or other institution with a residence status of "Student," or who are going to be enrolled, or plan to enroll, in a Japanese university or other institution as a privately financed international student between the time of application to the MEXT scholarship program in the applicant's country and the commencement of the period for payment of the MEXT scholarship. However, this stipulation does not apply to privately-financed international students who, even though they are enrolled, or are planning to enroll, in a Japanese university or other institution, verifiably complete their studies before the start of the scholarship payment period, return to their home country at the time of VISA application, and newly acquire the "Student" residence status and come to Japan.
6. Those who are planning to receive scholarship money from an organization other than MEXT (including government organization of the applicant's country) after the start of the MEXT scholarship payment period.
7. Those who are expected to graduate at the time of application and cannot get the required degree by the designated period.

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8. Holders of dual nationality at the time of application who cannot verify that they will give up Japanese nationality by the time of the arrival in Japan.
9. Those who plan to, at the time of application for the MEXT scholarship program, engage in long-term research (such as fieldwork or internship) outside Japan or plan to take a long-term leave of absence from the university.
10. Those who have completed a Doctoral program and does not plan on obtaining another degree

SUSPENSION OF PAYMENT OF SCHOLARSHIP

Should any of the following items apply, scholarship will be cancelled, and the student may be ordered to return a part of, or all of, the scholarship paid up to that time.

1. Determined to have made a false statement on their application.
2. Violates any article of their pledge to the MEXT.
3. Violates any Japanese laws and is sentenced and imprisoned for an indefinite period or for more than 1 year.
4. Suspended from their university, receives other punishment, or removed from enrollment.
5. When determined it will be impossible for the student to complete the course within the standard period of study.
6. Coming to Japan without a newly acquired “Student” VISA, or changing their residence status to others.
7. Received another scholarship (excluding those specified for research expenditures).
8. When proceeding to higher education without receiving approval for an extension of the period of the scholarship.
9. Leaving the university or transferred to another university.
10. When the annual GPA falls below 2.30.

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APPLICATION DOCUMENTS

1	Application for admission	Use double sided printing - Read "INSTRUCTIONS" carefully before filling in the form. In particular, make sure that the academic record period and language proficiency score are correct. <u>Do not insert rows and columns.</u> - <u>Digital signature is not acceptable.</u> - Fill in the "Remarks" field of "11.Academic record" according to the "INSTRUCTIONS." Do not fill in your grades or achievements in this field.
2	Field of Study and Research Program	Use double sided printing Be sure to consult with your prospective supervisor before filling in the form.
3	Passport copy	The page with photo. If you do not have a passport, submit a copy of the family register, or the citizen (resident) register.
4	Official Transcript	Certificate of university academic record (official transcript), authorized by the university which you belong to or graduated from (the last school attended).
5	Graduation certificate	Certificate of University graduation, diploma or degree, authorized by the university which you belong to or graduated from (the last school attended).
6	Certificate of high academic performance	Certificate of GPA, academic ranking among other students etc. issued by the university which you belong to or graduated from (the last school attended). If the GPA is listed on the Academic Record, you do not need to submit any "Certificate of high academic performance".
7	Letter of recommendation from " <u>the dean or higher</u> "	Obtain the letter from the university you belong to as a student, or graduated from (the last school attended). This letter must fulfill all of the following conditions: 1. The name of the addressee stated in the letter must be " <u>the President of the University of Electro-Communications</u> " 2. The letter must be printed on your university's letterhead. 3. The letter must be written by and signed by <u>the dean or higher</u> .
8	Photograph data	-Your passport size photo (4.5 × 3.5cm) taken within the past 6 months. -The upper half of the body: front face: without a hat. As long as the face is clearly visible, covering head with a cloth when taking a photograph is OK. - Please submit a clear color photo data. After the screening, it will be used for the student ID card.
9	Summary of a graduation thesis	It should be summarized succinctly
10	List of academic paper(s) and book(s)	Fill in the information regarding your academic paper(s) or book(s). Attach a copy of academic paper(s) or a copy of the title page of book(s).
11	Certificate of language ability	-TOEFL, TOEIC, Japanese language proficiency test etc. -Submit the English or Japanese score sheet which has been taken AFTER November, 2021. If you have taken the test during November 2021, ask the International Student Office if it will be considered valid. If you cannot submit the original score sheet with your application documents, your application will not be accepted. -If you do not have a language proficiency certificate, and you have completed a degree course offered mainly in English or Japanese, submit a document to prove you have completed the course mainly in English/Japanese language. Only official documents issued by the university you belong to or graduated from as a student is valid.

[Note]

-Consult with your prospective supervisor when preparing these documents.

-Use designated form for 1) and 2). Do not insert rows and columns for the form 1).

-These documents should be typewritten if possible, or neatly handwritten in block letters, on the paper of the size 29.7 cm × 21.0 cm.

-These documents must be written in either Japanese or English, or accompanied by a translation in either of these languages.

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APPLICATION PROCEDURES

Step 1

Gather information on application for MEXT scholarship

http://www.fedu.uec.ac.jp/en/future_students/scholarship/overview.html

You can download application forms at:

<https://uecdisk2.cc.uec.ac.jp/s/JTLaXzF69485Q6f>

Step 2

Search for and contact directly to UEC faculty members via e-mail. Consult about research contents and plan. Send your official transcript and the grade evaluation of your university to your prospective supervisor. UEC will calculate your GPA and will check if it meets the requirements.

< How to find an academic supervisor of UEC >

Go to the website listed below, or simply use Google search with keywords such as "Laboratory", "UEC" and your research field.

1) Researcher Profile and Achievements

<https://researchers.uec.ac.jp/search/?lang=en>

2) OPAL-RING Research Field List

<https://www.uec.ac.jp/eng/research/introduction/opal-ring/field.html>

3) Lab Guide (Japanese only)

<https://sites.google.com/view/uec-arc/labo-guide/>

If you want to translate this website from Japanese to other languages, use Google Chrome. Open Language Setting of Google Chrome and turn on "Offer to translate pages that aren't in a language you read".

Step 3

If you find a prospective academic supervisor and satisfy minimum GPA requirements, prepare the application documents. Follow your prospective supervisor's instructions when preparing them.

Step 4

Double check any mistakes with the application documents, and send the data to your prospective supervisor via Email.

Step 5

Submit original documents via airmail. Follow the instructions from your prospective supervisor's and International Student Office.

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PROGRAM COMPLETION REQUIREMENTS

Students participating in the SESS/Post AiQuSci programs have to fulfill the following requirements in addition to the requirements for completing a master's or doctoral program at UEC.

1. Students must take at least one Major subject of the department to which the student belongs, and also take a Major subject of another department or a designated subject.
2. Students must attend the UEC International Mini-Conferences for Students on Informatics, Sciences and Engineering (UEC mini-Conference) every semester.
3. Students should support cross-cultural exchange and language learning with other international students and Japanese students.
4. During their enrollment, students are recommended to participate in at least one event from the list of events recommended to SESS/ Post AiQuSci program students (conferences, lectures, camps, internships, academic events, etc.).
5. Students must cooperate with the university in public relations activities.

LIFE AT UEC

-Student dormitories, located on or near the Campus, are available for international students.

<https://www.uec.ac.jp/eng/life/dormitory.html>

-Other Information on campus life <https://www.uec.ac.jp/eng/life/>

CONTACT INFORMATION

International Student Office (ISO): iso@office.uec.ac.jp

If you have any questions, read "FAQ and Useful information for MEXT Scholarships" carefully first before sending an email to ISO.

· FAQ and Useful information for MEXT Scholarships

<https://uecdisk2.cc.uec.ac.jp/s/LGdsjiKqQwjZGnc>