

FY 2025

“International Graduate Program of Innovation for an Intelligent World”

Course Student Recruitment

1. Aim of the program

With the advancement of the IT industry, which has become a major industry in the society, there are many trends within each industry segment to revolutionize their systems using information technology. In Japan, there is a scheme called Society 5.0, which aims to realize an inclusive society that creates value from wisdom and harnesses the vitality created by diversity. To achieve this goal, it is necessary to nurture personnel who can realize a new academic or application area that fuses diverse research fields with information technology and can create new value based on the application of this newly created research field. The ultimate goal of this program is to educate PhD students who can grow up to be such researchers and revolutionize the academic and the industrial world.

Abilities Needed for New People Who Can Create Society5.0



2. Requirements for application

Students who aim to participate in the program must fulfill all conditions below.

- The applicant must be a master's course student who enrolled in October 2024 or in April 2025.
- The applicant must adequately understand the general concept and rules (e.g. requirements in the curriculum) of the program.
- The applicant must aspire to go on to the PhD course.
- The applicant must be interested in cutting-edge information technology and its application to society in a broad sense or in the creation of a new research field fusing various academia fields with information technology.
- The applicant must understand that the completion of the program will be additionally stated in the certificate of PhD degree.
- The applicant must promise to apply for the JSPS Fellowship for Young Scientists every year (whenever possible) if they are accepted into this program.
- Note that a student cannot belong to more than one leading graduate programs or Innovative & Smart Education Program.

3. Summary of the program

In the first two years (master's course): Students will acquire and strengthen basic specialist skills and practical skills of the department to which they belong. Meanwhile, they also acquire basic knowledge and viewpoints of social innovation and information technology, and cultivate problem consciousness, through the original class / subjects provided by this program. In addition, they should master basic skills through training camps and internship in a foreign application field to gain experience to prepare for the doctor's course. The internship should be at least one month long and can be conducted in firms outside the university, medical institutes, research institutes, or university in foreign countries. Those students who aspire to conduct research of fusing various application fields with information technologies can conduct an internship within the university of Tokyo but outside of their main research fields. For the latter case, they must submit an internship plan and get approval.

After the first semester of the second year, the students must submit a research plan of their PhD courses. This will be conducted as a qualification examination (QE) of the "Creation of Intelligent World" project program. In the QE, the students will be evaluated based on their ability to work as a Principal Investigator to conduct the research.

After they have passed the QE, the students will be supplied with the subsidy of 180,000 Yen per month. (The subsidy will not be paid for more than three and a half years. Also, there

are restrictions on receiving this subsidy concurrently with other sources of income.)

In their PhD courses (after the third year,) the students are expected to take the original class subjects and conduct research on the “Creation of Intelligent World” project. Those who had not taken the internship in the master course must conduct the internship as well. They will compile their research fruits as a PhD thesis for the “Creation of Intelligent World” project. The result will be examined by a special examination committee and if the result is satisfactory, a certification of completion of the course will be given.

4. Selection and employment period

Selection of course students is based on the prescribed application documents.

- Number of students: about 20. However, a balance between different departments may be considered.
- Documents to submit: (1) Application Form, (2) Application Sheet and (3) Elevator pitch: A one-minute self-promotional video (talk to the camera without slides) including research plan, etc., in mp4 format with student ID number and name as file name, uploaded to the following URL:
<https://www.dropbox.com/request/JoiklyPpZcIk5f0PFP5J>
- Period for submission: From 10:00 on April 11th (Fri.) 2025 to 15:00 on April 25th (Fri.).
- Place to be submitted: Application Form and Application Sheet should be submitted to the IIW program office via e-mail. (The e-mail address is shown in the last.) The office will send an e-mail at receipt of each application. If you do not receive the email within 24 hours from your application, ask the office.
- Period of employment: From June 1, 2025 to Mar. 31, 2030 (for students who enrolled in April 2025), or from June 1, 2025 to Sep. 30, 2029 (for students who enrolled in Oct. 2024). For continuing the enrollment on and after the second semester of the 2nd year, the students must have passed the Qualifying Examination.
- The result of the selection: The result of the selection will be announced on the IIW web site. Planned on May. 23rd, 2025.
- The prescribed format and the most recent schedule are available at the IIW program homepage (URL is listed in the last).

5. Characteristics of the course and requirements for program completion

To complete the course, the students must satisfy the following requirements:

- Gain two credits in the selective subjects of the program during the master’s course and gain 6 or more credits of the selective subjects during the PhD course.

- The selective subjects of the course consist of Informatics Lecture I ~ XX, Intelligent World Lecture I ~ XX, Informatics Exercise I ~ X, Intelligent World Exercise I ~ X and are mapped to various curriculum courses. Note that students in the Graduate School of Information Science and Technology will not be granted credits for some of the Information Science Lectures and Exercises.
- Participate in the activities of this program.
- Conduct an internship.
- Pass the Qualification Examination.
- Conduct research on the "Creation of Intelligent World" project and pass the qualification.

Students who belong to schools other than the Graduate School of Information Science and Technology and GSII and who have received 8 or more credits of Information Science Lectures/ Exercises will also be awarded a minor degree of Information Science.

6. Contact information for the program

- IIW program office: Room #621, Eng. Bldg. 8, 7-3-1, Hongo, Bunkyo-ku, Tokyo, JAPAN 113-8656
Tel: 03-5841-8746
E-mail: gcl_gakumu@gcl.i.u-tokyo.ac.jp
- International Graduate Program of Innovation for an Intelligent World homepage: <https://www.iw.i.u-tokyo.ac.jp/en/>

7. Program administrators (appointees)

The list of administrators is available on the IIW web site.

<https://www.iw.i.u-tokyo.ac.jp/about#s4>

8. Notes

The IIW office may contact the supervisor of an applicant/adopted candidate when it is deemed necessary.

The adopted applicants will not be allowed to continue their participation in the program if it becomes clear that they will not be able to fulfill the program's completion requirements.