

FY2019

“Graduate Program for Social ICT Global Creative Leaders (GCL)”
Course Student Recruitment

1. Abstract of the GCL program

A series of new problems and possibilities are emerging as information and communication technologies (ICT) establish complex connections between people and objects in the real world, leading to the emergence of rapidly changing and untested socioeconomic systems. In these circumstances, there is a strong need for reforms to create and implement solutions that are valuable to people.

This program provides a consistent education curriculum from Master’s course to Ph.D. course, founded on the application of cutting-edge ICT to big data, complex systems and human systems. By integrating multiple specialist disciplines, we can produce creative designs for intelligent socioeconomic systems that solve pressing social issues and bring new value, and we can cultivate top leaders and teams to show the way forward in social innovation.

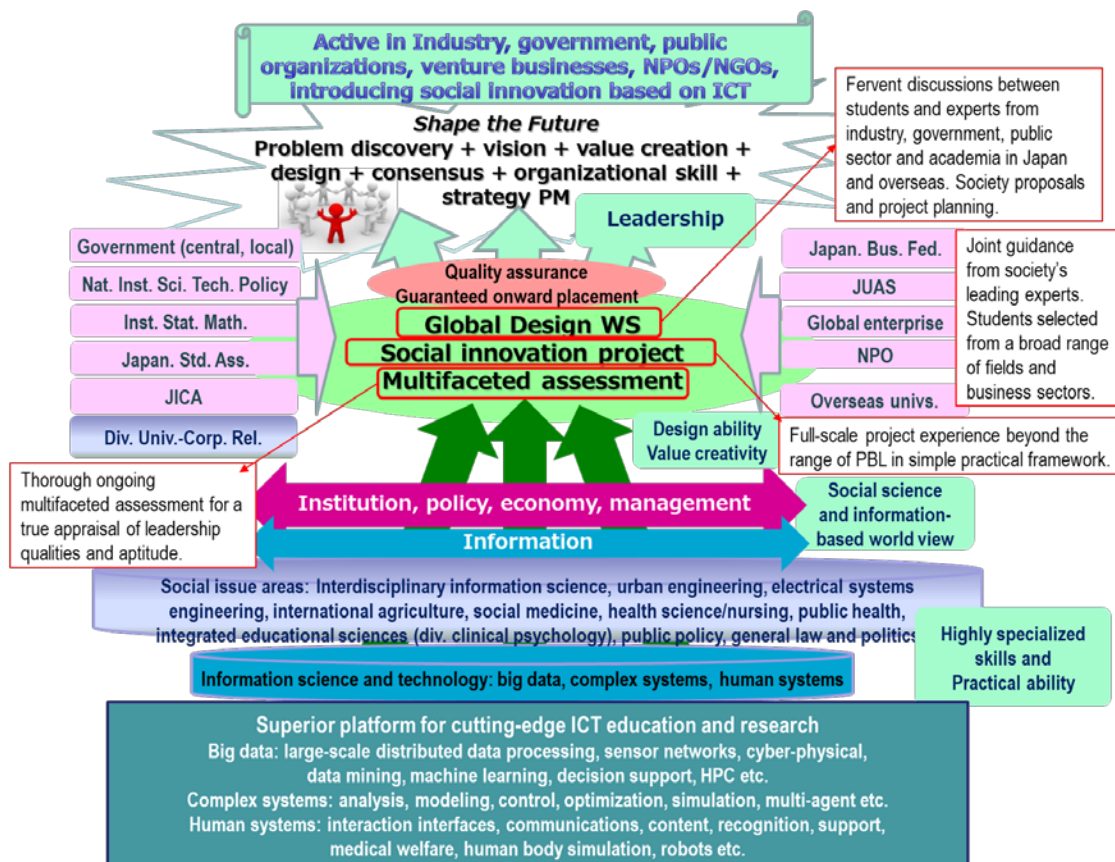


Figure 1. Conceptual illustration of the GCL program

2. Requirements for application

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

- **Applicant must be a Master's course student who enrolls in April 2019 or has enrolled in September 2018** at one of the departments of the University of Tokyo listed below:

| Department | Graduate School |
|--|---------------------------------------|
| Computer Science, Mathematical Informatics, Information Physics & Computing, Information & Communication Engineering, Mechano-Informatics, Creative Informatics | Information Science and Technology |
| Interdisciplinary Information Studies | Interdisciplinary Information Studies |
| Urban Engineering, Electrical Engineering and Information Systems | Engineering |
| Medical Science, Health Science and Nursing, Public Health | Medicine |
| Global Agricultural Sciences | Agricultural and Life Sciences |
| Clinical Psychology Course of Integrated Clinical Sciences | Education |
| Public Policy | Public Policy |
| Legal and Political Studies | Law and Politics |

- Understanding adequately the general concept and rules (e.g. requirements in the curriculum) of the program.
- **Aspiring to go on to the Ph.D. course** at one of the departments listed above.
- Interested in cutting-edge ICT and its application to society in a broad sense and has a strong motivation to learn them actively.

Students who proceed to the second year or higher are also required to fulfill the following conditions in addition to the ones above:

- Aspiring to be a leader to conduct social innovations based on cutting-edge ICT.
- Agreeing that the completion of the program will be additionally stated in the certificate of Ph.D. degree.

Note that a student cannot belong to more than one leading graduate programs.

3. Summary and quorum of each year (see Figure 2)

The first year (The first year of 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 social ICT, and cultivate problem consciousness, through the original class subjects provided by this program. In addition, they master basic skills to be a global leader and experience debate and cooperation with top-level persons from society (including those from overseas) through practical English classes, communication skills training courses, and global design workshops (GDWS).



Figure 2. Course flow of the GCL program

The number of students for the first year is at most 60 (in the plan), who will be chosen from applicants through a selection. In the latter half of the first year, each course student decides whether to continue this course to pursue a Ph.D. degree, or to move on to the normal curriculum to finish Master's course (and possibly go on to Ph.D. course). About 20 students are selected from those who hope to go on to the second year of the course. Other students will transfer to the normal curriculum and deepen their

specialities with the above mentioned basic skills, and are expected to play an active role in society.

The second year (The second year of Master's course): Students pursue a Ph.D. degree as a global creative leader through the original curriculum of this course. In addition to the course original subjects and ones from each student's department, all students are required to undertake internship both in abroad and in Japan (Might be in the third year depending on the situation.), design a social innovation project, and conduct research practices related to social ICT, and will attain Master's degree of the departments they belong to.

The third year (The first year of Ph.D. course): In addition to the above mentioned class subjects, students implement the social innovation project designed by themselves.

The fourth year: Continue taking class subjects and social innovation project.

The fifth year: Summarize achievements of the above project in doctoral dissertation. When a student has passed the thesis defense, the policy of which reflects the spirit of this program, it will be stated in the diploma that this student has completed this course. In addition, a certification of completion of the course will be given. Students who have finished the program are expected to lead social innovation as an advanced global creative leader at various places such as companies, government, industrial organizations, and startups.

4. Selection and employment period

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

Number of students: about 60.

Documents to submit: (1) Application Form and (2) Application Sheet.

Period for submission:

From 10:00, Apr. 1 (Mon), 2019 to 15:00, Apr. 8 (Mon), 2019.

Place to be submitted: Application Form and Application Sheet should be submitted to GCL 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 get e-mail within 24 hours from your application, ask the office.

Period of employment: From Apr. 1, 2019 to Mar. 31, 2024 (for those who enrolls in Apr. 2019. It is to Sep., 2023 for those who enrolls in Sep. 2018).

For continuing the enrollment on and after Apr. 1, 2020, students must pass the Qualifying Examination.

The result of the selection:

The result of the selection will be announced on GCL web site.

Planned on Apr. 18, 2019.

The prescribed format and the most recent schedule are available at the GCL program homepage (URL is listed in the last).

5. Characteristics of the course and requirements for program completion**• Program appointees**

We have about 90 program appointees with diverse backgrounds (from industry, government, the public sector and academia). Through various lectures and workshops, course students can be mentored by these experts in addition to their advising professors. (For details, see the GCL program homepage.).

• Detailed multifaceted assessment

Course students are assessed by means of the detailed multifaceted assessment performed by advising professors, external professors, and mentors, and the Qualifying Examination.

• Requirements for course completion

To complete the course, students are required to accomplish following in addition to taking the predefined lectures.

- Participating in global design workshops
- Implementing the social innovation project
- Participating in internships, both in Japan and oversea.

(For details, see the GCL program homepage.).

• Remark: subsidies

As MEXT support will stop, subsidies will not be given to course students who enroll in 2019 or later.

6. Contact information for the program

GCL program office :

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GCL program homepage :

<http://www.gcl.i.u-tokyo.ac.jp>