

「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

Course Guide

【1. Outline of the Course】

① Course	Education and Research on Digital/Quantum ICT Contributing to Society 5.0 (Ph.D. Program, 3 years)
② Degree	Ph.D.
③ Graduate School	Graduate School of Natural Science and Technology
	(Address) Kakuma-machi Kanazawa ISHIKAWA
④ Division	Division of Electrical, Information and Communication Engineering

【2. Contents of the Course】

I. Aim of D/Q ICTS5 Program

Graduate School of Natural Science and Technology, Kanazawa University will start “Program for Education and Research on Digital/Quantum ICT Contributing to Society 5.0 (D/Q ICTS5 Program or simply ICTS5 program)” from 2023. The aim of D/Q ICTS5 Program is to educate Ph.D. students to become professionals of advanced Digital/Quantum ICT research & development for Society 5.0 so that they will have a chance to work all over the world. The students study mainly IoT, Cybersecurity, AI, Big Data, Data Science, Quantum and Information & Communication technologies.

II. Curriculum of D/Q ICTS5 Program

- 1) **Quota:** 4 MEXT scholarship students, 4 privately financed foreign students, 2 Japanese students; 10 students in total.
- 2) **Screening:** The MEXT scholarship students are all screened, and the selected students are accepted as students of the ICTS5 Program. Privately financed foreign students and Japanese students are screened and accepted as regular students. After joining the graduate school of Kanazawa University, the regular students can apply for the ICTS5 Program. The applicants are screened, and the selected students are included in the ICTS5 Program. Foreign students can get information about Japan and Kanazawa University through the university website.
- 3) **Official Language:** English
Lectures that the ICTS5 Program students take are given in English. Student research projects are directed and advised by professors in English.
- 4) **Requirements for Completing D/Q ICTS5 Program:**
 - Get credits by taking courses in the Regular Program based on the classification of the ICTS5.
 - Give a presentation at an international conference.
 - Publish research papers, including a substantial part of the Ph.D. thesis, in a peer-reviewed journal edited in English.
 - Give a Ph.D. defense in English.
 - Pass an examination of the Ph.D. thesis.
- 5) **Certificate of D/Q ICTS5 Program:**
ICTS5 Program’s students satisfying the requirements receive a certificate of ICTS5 Program, as well as the Ph.D. diploma
- 6) **Highlights:**
Students of the ICTS5 program can get deeper skills and knowledge associated with the ICTS5 and also get to know about people working in the field by participating in events, ex educational/technical meeting/program. Regular ICTS5 meetings are organized, too.

III. Advising Students Research Projects and Examination of Ph.D. Thesis

If the student finds an advisor before enrolling in the Ph.D. course, s/he can receive preliminary advice through the internet. (After the enrollment, one main advisor and two vice-advisors direct and advise the student research project. A committee consisting of five professors examines the Ph.D. thesis.)