

「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Program for International Students～

Program Guide

【1. Outline of the Program】

① Program	Graduate Program on Science and Engineering for Sustainable Development  (The Program for Global Human Resource Development in Interdisciplinary Mathematics and Physics for Nanomaterial Science)  (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 Mathematical and Physical Sciences

## 【2. Contents of the Program】

### I. Aim of GHR Program

Graduate School of Natural Science and Technology, Kanazawa University set up “Graduate Program on Science and Engineering for Sustainable Development (The Program for Global Human Resource Development in Interdisciplinary Mathematics and Physics for Nanomaterial Science) (GHR Program)” from 2024. The aim of GHR Program is to educate students in the Ph.D. course to become professionals that can work throughout the world. The students study mainly Mathematical and Physical Science including Computational Science and their Sustainable Interdisciplinary Science by joining the graduate program on science and engineering for sustainable development.

### II. Curriculum of GHR Program

- 1) **Quota:** 4 MEXT scholarship students, up to 12 students including them.
- 2) **Screening:** The MEXT scholarship students are all screened, and the selected students are accepted as students in the GHR 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 GHR Program. The applicants are screened, and the selected students are included in the GHR Program. Foreign students can get the necessary information about Japan and Kanazawa University through the university website.
- 3) **Official Language:** English  
Lectures that the GHR Program students take are given in English. Student research projects are directed and advised by professors in English.
- 4) **Requirements for Completing GHR Program:**
  - Get credits by taking courses in the Regular Program.
  - 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.
  - Complete the graduate program on science and engineering for sustainable development (Mathematical/Nanomaterial Science and Engineering).
- 5) **Certificate of GHR Program:**  
GHR Program students who satisfy the requirements receive a certificate of the graduate program on science and engineering for sustainable development, as well as the Ph.D. diploma.

### 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.)