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April 2024 Admission October 2024 Admission

Graduate School of Advanced Science and Engineering (Doctoral Course)
Application Guidebook

理工学融合プログラム（開発科学分野）

Transdisciplinary Science and Engineering Program (Development Science Field)

Special Selection for International Students

2023 7 July 2023



広島大学

Hiroshima University

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Hiroshima University has established the university's Rules on Security Export Control in accordance with the Foreign Exchange and Foreign Trade Act, and conducts strict examinations for acceptance of international students, etc. Therefore, please be advised that International applicants may be unable to receive their desired education or conduct their desired research due to the restriction by the above regulations.

Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Doctoral Course)

The Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects :

1. An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
2. The will to take the leading role in professional occupations such as researchers and engineers in areas related to natural science, engineering, and information science;
3. A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring sophisticated knowledge and study skills for the academic areas related to natural science, engineering, and information science as well as a wide range of intelligence; and
4. Common sense as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

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Towards a smoke-free campus
Smoking has been prohibited entirely in all HU campuses from January, 2020.

広島大学志願者への入学検定料の免除措置について

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I. Program and Number of Students to be Admitted

This student application guidebook describes the schedule of the entrance examination and the method for selecting students for Transdisciplinary Science and Engineering Program (Development Science Field) and the number of students to be admitted by this student application guidebook are listed below.

effects of infectious diseases, etc.

The changes will be announced on the website of Graduate School of Advanced Science and Engineering, Hiroshima University.

April 2024 Admission October 2024 Admission

Division of Advanced Science and Engineering

| Program | Number of Students | Inquiries, Submission |
|---|--|---|
| Transdisciplinary Science and Engineering Program (Development Science Field) | April Admission: Several October Admission: Several | Support Office for the fields of International Development and Cooperation 1-5-1 Kagamiyama, Higashi-Hiroshima 739-8529, Japan Tel: +81-(0)82-424-4680 E-mail:koku-gaku@office.hiroshima-u.ac.jp |

II. Admission Policy of Program

Transdisciplinary Science and Engineering Program

The Transdisciplinary Science and Engineering Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects :

1. An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
2. The will to explore new academic areas with both of the nature-oriented and human-oriented thoughts;
3. A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring wide range of academic knowledge and study skills for the academic areas related to natural science, engineering, and interdisciplinary areas such as the information science and the international cooperation studies as well as a wide range of intelligence; and
4. Common sense as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

III. Admission Requirements

The applicant must be a non-Japanese citizen residing outside of Japan at the time of application and meet one of the following stipulations or expected to acquire one of the following stipulations by March 31, 2024 or September 30, 2024.

The applicant falls under stipulation 8
undergo a preliminary evaluation of admission requirements.

- 1.
2. A person who has received a Degree Certificate equivalent to a Master's degree from a university in a foreign country.
3. A person who has received a Degree Certificate equivalent to a Master's degree from a university in a foreign country, by earning the credit(s) of correspondence course(s) in the schooling program in Japan.
4. A person who has taken courses from a foreign university in Japan thereby completing the required number of years of schooling, of which is recognized by the Minister of Education, Culture, Sports, Science and Technology (hereinafter referred to as the Minister).
5. A person who has completed the course(s) provided by the United Nations University and received a Degree Certificate equivalent to a Master's degree.
6. A person who has completed the curricula of a foreign school, an educational facility as designated in stipulation 4, or the United Nations University; passed a test and review as specified in Article 16 Section 2 of the Standards for the Establishment of the Graduate Schools; and is deemed to have academic ability greater than or equal to a Master's degree.
7. A person who has been specially approved by the Minister of MEXT according to the stipulations of the Standards for the Establishment of the Graduate Schools.
8. A person who is 24 years old or more, recognized as having academic ability equivalent to that of a graduate of a university.

Preliminary Evaluation of Admission Requirements

Applicants who fall under the stipulation 8 are required to undergo a preliminary evaluation of admission requirements. The procedures are outlined below.

For those who need to undergo a preliminary evaluation, please obtain the prescribed forms from Support Office for the fields of International Development and Cooperation by E-mail.

1. Submission period

For April Enrollment October 2 to 17:00, October 6, 2023 (Japan Standard Time, Must Arrive)

For October Enrollment April 8 to 17:00, April 12, 2024 (Japan Standard Time, Must Arrive)

2. Documents to be submitted

Each certificate must be the original. However, if a new certificate is not issued, a certified copy of the original (certified by the official organization (preferably the issuing organization) as being the same as the original) will be accepted.

Any forgery or falsification of the documents and/ or academic fraud would result in cancellation of acceptance even after passing examination and/ or completing enrollment procedure.

| Stipulation | Document Type | How to submit |
|---------------|---|--|
| Stipulation 8 | (1) Preliminary evaluation application form (use the prescribed form) (2) Curriculum Vitae (use the prescribed form) (3) Statement by applicant demonstrating that he/she has an academic ability equivalent to that of a Person degree (use the prescribed form) (4) Certificate of Graduation (a certificate showing the last degree obtained) | (1), (2) and (3) Submit Word files by E-mail (4) Submit original documents by mail after sending scanned original documents (Pdf) by E-mail |

Note for Stipulation 8: If the applicant is a graduate or a current student of any university in China (excluding Taiwan, Hong Kong and Macau), please see the Note 1 on page 7.

3. Address for submission

Refer to **I. Program and Number of Students to be Admitted**

Documents to be submitted by mail (original or certified copy)

Without exception, it is required to mail (by registered mail) the documents to be received before the deadline. Please write the following text clearly in red on the envelope:

Documents to be submitted by E-mail

Please send Word or Pdf files by E-mail with the subject line "Submission of documents for Preliminary Evaluation of Admission Requirements ". Please be sure to separate the files for each submitted document and name the files correctly.

Example of file name: "(1) Preliminary evaluation application form " etc.

4. Notification of preliminary evaluation results

The applicant for April enrollment will be notified of the result of the preliminary evaluation by October 16, 2023;

The applicant for October enrollment will be notified of the result of the preliminary evaluation by April 15, 2024.

IV. Application Procedure

1. Documents for application

Submit all the documents listed below during the application period. Documents that have already been

Please contact Support Office for the fields of International Development and Cooperation for the prescribed forms by E-mail after obtaining consent from the prospective academic advisor. Information on how to pay the Application Fee will also be provided at that time.

Each certificate (except Language Test Score Certificate) must be the original. However, if a new certificate is not issued, a certified copy of the original (certified by the official organization (preferably the issuing organization) as being the same as the original) will be accepted.

Any forgery or falsification of the documents and/ or academic fraud would result in cancellation of acceptance even after passing examination and/ or completing enrollment procedure.

| Document Type | Details | How to submit | |
|----------------------|-------------------------|---------------|--------|
| | | Mail | E-mail |
| (1) Application Form | Use the prescribed form | | Word |

| Document Type | Details | How to submit | |
|---|---|---------------|--------|
| | | Mail | E-mail |
| (2) Research Proposal | A detailed research proposal written in either Japanese or English (Use the prescribed form) | / | Word |
| (3) Copy of Master's Thesis | One Copy is written in language other than English or Japanese, a summary in English or Japanese must be additionally submitted. | / | Pdf |
| (4) Publications | List of publications and reprints of major research papers *If the article is written in language other than English or Japanese, a summary in English or Japanese must be additionally submitted. | / | Pdf |
| (5) Academic Transcript | Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. *If there is no explanation about grading system on the transcript, separate official document explaining the system must be attached. | | Pdf |
| (6) Diploma or Certificate of (Expected) Graduation | Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. *If you are a graduate, make sure that the certificate includes the degree information. *If the applicant is a graduate or a current student of any university in China (excluding Taiwan, Hong Kong and Macau), please refer to the Note 1 on page 7. | | Pdf |
| (7) Two Letters of Recommendation | 1. Recommendation from an academic advisor 2. Recommendation from the head of an organization to which the applicants belongs or the president of the university(dean of the faculty). Prescribed form must be used. | / | Pdf |
| (8) Language Test Score Certificate | TOEFL® or other equivalent English language test, or Japanese Language Proficiency Test or other equivalent Japanese language test. Applicants whose first language is English are not required to submit this certificate. | / | Pdf |
| (9) Application Fee | ¥30,000 for April enrollment (Japanese Yen only). . Payment information will be notified together with prescribed form. The amount of application fee for October enrollment will be determined in around March 2024. If there is a change, we will inform the revised amount on the website. | / | / |

Note1: If the applicant is a graduate or a current student of any university in China (excluding Taiwan, Hong Kong and Macau), please submit all the following documents.

Graduates:

- (a) Certificate of Graduation () ()
- (b) Online Verification Report of Higher Education Qualification Certificate ()

Expected Graduates:

- (a) Certificate of Expected Graduation
- (b) Online Verification Report of Student Record ()

(<https://www.chsi.com.cn/xlcx/bgys.jsp>). Please note that applicants must pay the issuing fee for the Online Verification Report by themselves. Also be sure that there are 15 or more days left until the expiration date of the online verification at the time of its submission.

Note2: Documents written in languages other than English or Japanese must be translated into English or Japanese. Submit both the original and translated documents.

Note3: If an applicant is unable to submit Language Test Score Certificate an official document made by the university which certifies that the medium of instruction in the foreign institution which the applicant has attended/is attending is English will be accepted.

Note4: Submit a GRE General Test Official Score, if available. (The submission of the GRE score is optional.)
The Official Score Report must be sent by ETS directly to Hiroshima University (Institution Code: 2358) no later than the submission period. (The Examinee Score Report sent to applicants from ETS is acceptable as well.)

2. Application Procedure

All applicants must obtain consent from their prospective academic advisor who is reported in the application form in advance, and submit all documents in accordance with the time and period below. If you are unable to receive a reply from your prospective academic advisor

VI. Enrollment Procedure

1. Period

Early of March for April enrollment and early of September for October enrollment. More details will be informed later.

2. Fees

Enrollment Fee: ¥ 282,000

Tuition Fee: ¥ 535,800 (for one year)

(1) The above amount is as of April 2023. In case of the revision of the amount at the time of enrollment or during the period of enrollment, the most recent tuition fees will always apply.

(2) Enrollment fee must be paid at the time of enrollment and tuition fee must be paid after the enrollment. Exact amount, detailed payment methods, and information on enrollment/tuition fee exemption or deferment application will be announced later.

(3) Enrollment fee, once paid, will not be reimbursed under any circumstances.

3. Notes

(1) Any forgery or falsification of the documents and/ or academic fraud would result in cancellation of acceptance even after passing examination and/ or completing enrollment procedure.

(2) For applicants accepted on the condition of graduation from currently enrolled university, admission will be cancelled if s/he cannot graduate by the time of enrollment.

List of Members

| Position | Name | Research Theme |
|---------------------|------------------------|--|
| Professor | KUBOTA, Tetsu | Building and urban environmental science for achieving sustainable development in developing world |
| Professor | NISHINA, Daisaku | Living environment planning in buildings and urban area: water environment, landscape and environmental psychology |
| Professor | FUJIWARA, Akimasa | Transportation planning methods, evaluation of transport policies, and sustainable development and transport |
| Professor | | Urban planning, smart mobility, travel behaviour, transport network analysis, data driven technology, mobility in built environment, spatial planning, urban environment analysis, decision making in smart energy, big data & machine learning for urban research |
| Professor | SHARIFI Ayyoob | Urban Climate Change Mitigation and Adaptation; Nature-based Solutions; Green Infrastructure; Urban Microclimate, Urban Resilience; Sustainable Urban Forms; Assessment Tools. |
| Professor | TRAN, Dang Xuan | Development of biomass energy technologies and application to developing countries Agricultural ecology and development of sustainable agricultural technologies |
| Professor | LEE, Han Soo | Renewable energy evaluation and management in developing countries, Numerical models for coastal hazards disaster prevention mitigation, Evaluation of climate changes on natural hazards and renewable energy environment. |
| Associate Professor | KASHIMA, Saori | Epidemiological study focusing on environmental health problems, Development of health care system based on spatial statistics |
| Associate Professor | CHIKARAISHI, Makoto | Smart urban infrastructure, transportation planning, urban planning, travel behavior analysis, travel survey design, transport network analysis, resilience research, risk analysis |
| Associate Professor | HOSAKA, Tetsuro | Research and education on ecology and ecosystem management |

Professor who will cease regular teaching within the standard completion period of the thesis. Applicants are allowed to select him/her as supervisor, but need to inquire of the staff in Graduate School of Advanced Science and Engineering (Support Office for the fields of International Development and Cooperation).

Note that “List of Members” is subject to change due to personnel changes. In this case, you will be informed via the HP of Graduate School of Advanced Science and Engineering. Therefore, please confirm the HP before consulting with a professor.



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e-mail: koku-gaku@office.hiroshima-u.ac.jp

https://www.hiroshima-u.ac.jp/idec/education/special_program/gels



Global Environmental Leaders Special Education Program

BACKGROUND

In recent years, broader knowledge and analytical skills to cope with global environmental issues such as climate change, biodiversity losses, desertification, pollution in developing countries, and so on that threaten the existence of humans have become necessary fundamental expertise for any areas related to global sustainability and international cooperation. In order to offer an additional educational opportunity for having such expertise, The Graduate School of Humanities and Social Sciences(International Peace and Co-existence Program, International Economic Development Program, International Education Development Program) ,the Graduate School of Advanced Science and Engineering(Transdisciplinary Science and Engineering Program) and Graduate School of Innovation and Practice for Smart Society of Hiroshima University (hereinafter HU) have been implementing the Global Environmental Leaders Special Education Program (GELs Program).

OBJECTIVES

The GELs Program is to nurture global environmental leaders who are capable of identifying problems and formulating strategic solutions at the national and local level through interdisciplinary and international perspectives.

ADVANTAGES

- ✓ GELs students can obtain necessary knowledge and skills to create a sustainable society based on students' individual specializations as well as interdisciplinary knowledge from experts in various fields.
- ✓ GELs students can acquire communication skills by studying with peers with diverse backgrounds and areas of experience.
- ✓ GELs program offers various educational opportunities. (ex. special seminar, internship, and fieldwork)
- ✓ Certificate of completion is conferred upon satisfying the requirements of the program.

HOW TO REGISTER THE PROGRAM

Any HU students, regardless of nationality, are welcome to register. Students who wish to participate in GELs program are required to submit the registration form by the designated deadline in April and October.

CONTACTS

Graduate School of Humanities and Social Sciences, Hiroshima University
Graduate School of Advanced Science and Engineering, Hiroshima University
Graduate School of Innovation and Practice for Smart Society, Hiroshima University

IDEC Office / Support Office for the fields of International Development and Cooperation
GELs program

e-mail: koku-gaku@office.hiroshima-u.ac.jp

https://www.hiroshima-u.ac.jp/en/idec/education/special_education/courses/gels

