

April 2022 Admission

**Graduate School of Advanced Science and Engineering
(Doctoral Course)
Division of Advanced Science and Engineering**

Special Selection for International Students [For Students Living Outside Japan] Application Guidebook

**Mathematics Program
Physics Program
Earth and Planetary Systems Science Program
Basic Chemistry Program
Applied Chemistry Program
Chemical Engineering Program
Electrical, Systems, and Control Engineering Program
Mechanical Engineering Program
Transportation and Environmental Systems Program
Architecture Program
Civil and Environmental Engineering Program
Informatics and Data Science Program
Smart Innovation Program
Quantum Matter Program
Transdisciplinary Science and Engineering Program
(Environmental and Natural Sciences)**



**September 2021
HIROSHIMA UNIVERSITY**

Contents

I Admission Policy	3
1. Admission Policy of Graduate School of Advanced Science and Engineering (Doctoral Course)	3
2. Admission Policy of each Program	3
II Programs and Number of Students to be Admitted	8
III Application Eligibility	9
1. Application Eligibility	9
2. Preliminary Evaluation	10
IV Application Procedure	11
1. Application Method	11
2. Application Period	11
3. Application via Internet	11
V Application Documents	13
Science Programs (Mathematics/Physics/Earth and Planetary Systems Science/Basic Chemistry)	13
Engineering Programs & Informatics and Data Science Program (Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Mechanical Engineering / Transportation and Environmental Systems / Architecture / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation)	14
Quantum Matter Program	15
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	16
VI Selection Process	17
1. Schedule of the Entrance Examination	17
2. Examination Subjects	17
3. Selection Method	17
4. Result Announcement	17
VII Miscellaneous	18
1. Instruction for Application	18
2. Consultation with the Applicant who Needs Special Consideration for the Entrance Examination and/or Education in the Graduate School	18
3. Handling of Personal Information	18
4. Admission Procedure	19
5. Application for Disclosure of Examination Results	19
6. Others	19

I Admission Policy

1. Admission Policy of 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 the basic academic abilities necessary for it:

- 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.

2. Admission Policy of each Program

[Mathematics Program]

The Mathematics Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- ① A strong questing mind for the mathematical truth and an ambition to take a role as a leading researcher in specialized and/or cross-disciplinary research of mathematics;
- ② The will to take the leading role in professional occupations such as researchers, educators, and highly-professional engineers in mathematics areas;
- 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 mathematics as well as a wide range of intelligence; and
- ④ Common sense as a member of society and ethics required for researchers.

[Physics Program]

The Physics Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- ① The will to work in the frontier field in areas of physics based on the point of view of researchers in the internationally top level;
- ② The will to take the leading role in professional occupations such as researchers, educators, and highly-professional engineers in areas related to physics based on the basic knowledge of cutting edge physics;
- 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 physics 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.

[Earth and Planetary Systems Science Program]

The Earth and Planetary Systems Science Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- ① An ambition for acquiring advanced expertise and research techniques related to the earth and planetary systems science to take the leading role in advanced and prominent research activities;
- ② The will to take the leading role in professional occupations such as researchers educators, and highly-professional engineers in earth and planetary science areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic

areas related to mathematics as well as a wide range of intelligence, in addition to a strong curiosity about not only the earth and planetary systems science but also for the other areas; and

- ④ Common sense as a member of society and ethics required for researchers and highly-professional engineers.

[Basic Chemistry Program]

The Basic Chemistry Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in basic chemistry areas;
- 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 basic chemistry 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.

[Applied Chemistry Program]

The Applied Chemistry Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in applied chemistry areas;
- 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 applied chemistry 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.

[Chemical Engineering Program]

The Chemical Engineering Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in chemical engineering areas;
- 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 the chemical engineering 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.

[Electrical, Systems, and Control Engineering Program]

The Electrical, Systems, and Control Engineering Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in areas related to electrical engineering and systems engineering that constitutes the core of the electrical, systems, and control engineering;
- ③ A zeal for establishing the "science

e 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 the electrical, systems, and control engineering 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.

[Mechanical Engineering Program]

The Mechanical Engineering Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in mechanical engineering areas;
- 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 the mechanical engineering 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.

[Transportation and Environmental Systems Program]

The Transportation and Environmental Systems Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 of the transportation system engineering or the environmental system engineering;
- 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 the transportation system engineering and the environmental system engineering 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.

[Architecture Program]

The Architecture Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in architecture areas;
- 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 architecture 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.

[Civil and Environmental Engineering Program]

The Civil and Environmental Engineering Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 as a high-level engineer or researcher in areas of civil and environmental engineering including disaster prevention and mitigation engineering;
- 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 the civil and environmental engineering 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.

[Informatics and Data Science Program]

The Informatics and Data Science Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in the informatics and data science;
- 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 the informatics and data 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.

[Smart Innovation Program]

The Smart Innovation Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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 highly-professional engineers in areas related to the smart material development, the smart measurement and control, and their fusion technologies;
- ③ A zeal for establishing the "science for sustainable development" from 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 the smart material development, the smart measurement and control, and their fusion technologies of them as well as wide range of intelligence; and
- ④ Common sense as a member of society and ethics required for researchers and highly-professional engineers.

[Quantum Matter Program]

The Quantum Matter Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- ① The will to acquire sophisticated research ability and expertise to obtain the doctor degree and being engaged in advanced professional occupations such as researchers and engineers in area of the basic materials science, condensed material physics, material science and engineering, and electronic engineering;
- ② An ambition for unveiling new findings in physics and applying them in an engineering field and/or development of an integrated system regardless of the experience and background before entering the university;
- ③ A wish to build up new businesses as well as exploring scientific facts and applying scientific findings from the academic point of view;
- ④ 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 the basic materials science, condensed material physics, material science and engineering, and electronic engineering as well as a wide range of intelligence; and
- ⑤ Common sense as a member of society and ethics required for researchers and highly-professional

engineers.

[Transdisciplinary Science and Engineering Program]

The Transdisciplinary Science and Engineering Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

- 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.

II Programs and Number of Students to be Admitted

The Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering in Hiroshima University will accept applicants in Special Selection for International Students [For Students Living Outside Japan] for April 2022 admission to the Doctoral Course as indicated below.

Division	Program	Capacity	Admission capacity	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	128	Several students	Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468
	Physics Program			
	Earth and Planetary Systems Science Program			
	Basic Chemistry Program			
	Applied Chemistry Program			Support Office for the fields of Engineering 〒739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518
	Chemical Engineering Program			
	Electrical, Systems, and Control Engineering Program			
	Mechanical Engineering Program			
	Transportation and Environmental Systems Program			
	Architecture Program			
	Civil and Environmental Engineering Program			
	Informatics and Data Science Program			Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Smart Innovation Program (Applied Chemistry)			
	Smart Innovation Program (Electrical, Systems, and Control Engineering)			
	Quantum Matter Program		Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6316	
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)				
Transdisciplinary Science and Engineering Program (Development Sciences)	Capacity is separately reserved.	Support Office for the fields of International Development and Cooperation 739-8529 1-5-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-4680		

(Caution)

(1) Consult with the faculty who is expected to be your academic supervisor about your research theme before applying.

For the information regarding the faculty of the Graduate School of Advanced Science and Engineering (hereinafter referred to as “the Graduate School”), refer to the following website.

URL: <https://www.hiroshima-u.ac.jp/en/adse/research>



(2) For “Transdisciplinary Science and Engineering Program (Development Science),” the selection will be separately held. For the details, refer to the following website.

URL: https://www.hiroshima-u.ac.jp/en/adse/admission/d_admission

III Application Eligibility

1. Application Eligibility

Those who are of a non-Japanese nationality, live outside Japan at the time of application, and meet or are expected to meet either of the following criteria by the date of enrollment.

- (1) A person who has a master's degree or a professional degree;
- (2) A person who was conferred a degree equivalent to a master's degree or a professional degree in a country other than Japan;
- (3) A person who studied the class subjects provided by a foreign school as a correspondence course in Japan and earned a degree equivalent to a master's degree or a professional degree;
- (4) A person who completed an education course in Japan provided by a foreign education institute which is established as a graduate course within the school education system in the concerned foreign country and is separately specified by the Minister of Education, Culture, Sports, Science and Technology, and earned a degree equivalent to a master's degree or a professional degree;
- (5) A person who completed an education course of the United Nations University and earned a degree equivalent to a master's degree;
- (6) A person who completed an education course of a foreign school, an education institute defined in the item (4) above, or the United Nations University, passed the examination and qualification defined in the item 2 of Article 16 of the Graduate School Establishment Standards, and has been approved as having academic abilities equivalent or superior to those of master's degree holders;
- (7) A person who has been designated by the Minister of Education, Culture, Sports, Science and Technology (Notification of the Ministry of Education, Culture, Sports, Science and Technology, No. 118 of September 1, 1989);
 - (a) A person who has been engaged in research activities in a university or research institute for two years or more and has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree holders according to the results of the concerned research activities; or
 - (b) A person who completed a 16-year school education course in a foreign country or studied the class subjects provided by a foreign school as a correspondence course in Japan and completed the 16-year school education course in the concerned foreign country, subsequently has been engaged in research activities in a university or research institute for 2 years or more, and has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree holders or professional degree holders according to the results of the concerned research activities
- (8) A person who has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree or professional degree holders according to the result of the admission qualification examination that is separately conducted, and is 24 years or older at the time of admission.

(Caution 1) The Applicant who is expected to meet either of the criteria (1) to (6) above must obtain the concerned application eligibility by March 31, 2022.

(Caution 2) The applicant who falls under either (7) or (8) of the criteria above must undergo a preliminary evaluation of the application eligibility (refer to "2. Preliminary Evaluation").

The criteria for the categories of the items (7) and (8) above are specified as follows:

- (1) The application eligibility (7) is applied to the applicant who meets the following two conditions:
 - (a) After having graduated from a university or completed a 16-year school education course in a foreign school, has been engaged in research activities in a university or research institute for two years or more; and
 - (b) Has research results such as publications, academic papers, academic lectures, academic reports, or patents that have been approved by the Graduate School as equivalent to a master's thesis.
- (2) The application eligibility (8) is applied to the applicant who meets the following two conditions:
 - (a) Has an education record that is sufficient for earning a master's degree in the area of the science and engineering; and

- (b) Has research results such as publications, academic papers, academic lectures, academic reports, or patents that have been approved by the Graduate School as equivalent to a master's thesis.

2. Preliminary Evaluation

(1) Preliminary Evaluation

The applicant who falls under either (7) or (8) of the criteria above must follow the procedures below and undergo a preliminary evaluation of the application eligibility.

a) Application Period

Monday, October 18, 2021 - 17:00, Friday, October 29, 2021

(Indicate the phrase "Application Form for Preliminary Evaluation is enclosed." in red on the front surface of the envelope.)

b) Application Documents

Submit all the documents listed below at once during the application period to the respective Support Offices indicated in the section "II Programs and Number of Students to be Admitted" (page 8). Download the specified forms (a, b and e) from the website of the Graduate School.

Document Name		Note				
a	Application Form for Preliminary Evaluation	Use the specified form to prepare.				
b	Record of Preliminary Evaluation	Use the specified form to prepare.				
c	Statement of motivation for entering the Graduate School and research plan for the Doctoral Program	Use A4-sized sheets; free format				
d	Certificate of graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated. The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, November 12, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询).http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective Graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
e	List of Research Achievements	Use the specified form to prepare. List the research results related to publications, reports, patents, utility model rights, etc.				
f	Copy or abstract of research achievements	Submit a copy or the abstract of all the research achievements listed in "e List of Research Achievements" above.				

(2) The evaluation results will be notified to the applicants by e-mail or by post by Friday, November 5, 2021.

(3) The applicants who have successfully passed a preliminary evaluation need not submit "Research plan" "Certificate of graduation" "List of Research Achievements" and "Copy or abstract of research achievements" listed in the section "V Application Documents" (page 13).

IV Application Procedure

1. Application Method

Apply via internet and submit the application documents.

- ① Input the information regarding the application on the website.
- ② Pay the entrance examination fee of 30,000 yen.
- ③ Mail the application documents.

(Caution)

The application via internet will not be completed when only the input of the information on the website and the payment of the entrance examination fee are done. It is required to mail the application documents to be received before the deadline. The application will not be accepted when the applicant only sends the application documents.

2. Application Period

The applicant must complete all the processes ①, ②, and ③ described above in the “1. Application Method” during the application period.

Monday, November 8, 2021 - Friday, November 19, 2021 no later than 17:00

3. Application via internet

◆ Inquiry regarding the system

Internet application help desk (only Japanese language available)

Service Hours: 10:00 - 18:00 (closed on Saturday, Sunday, and national holidays from April to the end of July)

Tel: 03-5952-3902

(International calls and calls on IP telephony can also be received)

UCARO Office (only Japanese language available)

Service Hours: 10:00 - 18:00

Tel: +81-50-3786-5524

(For International calls and calls on IP telephony:03-5952-2114)

○ About unclear points regarding the entrance examination, ask the respective Support Offices indicated in the section "II Programs and Number of Students to be Admitted" (page 8).

Business Hours: 8:30 - 17:00 (closed on Saturday, Sunday, and national holidays)

Complete the following 8 steps during the application period.

Step 1: Access the Internet Application System.

Access the following web page:

Hiroshima University's Admission Information
<https://www.hiroshima-u.ac.jp/en/nyugaku>



Step 2: Select the item "Registration for UCARO" on the login screen of UCARO.

Account registration for UCARO (free for charge) is required for application.

Hiroshima University uses the system of UCARO for checking the applicant's number and processing a part of admission procedure for the accepted applicants.

Step 3: Input your account information (applicable to the admission examination category for which it is required).

The applicant who applies for the category for which the entrance examination fee is exempted must contact the respective Support Offices indicated in the section "II Programs and Number of Students to be Admitted" (page 8). Once you have been notified by the concerned Support Office the alphanumeric characters with eight or more digits, please input them.

Step 4: Input the information regarding the application in the Internet Application System.

Follow the instruction shown on the screen to input your name, address, etc.

The applicant can choose the academic advisors of the respective programs from “List of Academic Supervisors” and input their names from the 1st choice (Required) to 2nd and 3rd choice (Optional) in the column of “Academic Advisor.” Please note that the applicant for Applied Chemistry Program and Smart Innovation Program (Applied Chemistry) is requested to input the names of “Research Fields” of the prospective academic advisors from the 1st choice to the 3rd choice (All Required), not their personal names.

Step 5: Upload your photograph.

Follow the instruction shown on the screen to upload the digital data of your photograph (File format: JPEG). It is not allowed to submit the photograph via mail.

Step 6: Pay the entrance examination fee of 30,000 yen.

Select either of the following payment method on the "Input Payment Information" screen:

1. Credit card: VISA, MasterCard, JCB, AMERICAN EXPRESS, Diners Club
2. ATM of a financial institution [Pay-easy]
3. Net banking

(Caution)

- The applicant has to pay the charge for use of the Internet Application System (650 yen per application) in addition to the entrance examination fee.
- MEXT Scholarship recipients are exempted from the entrance examination fee.
- The entrance examination fee once paid will not be returned for any reason after the application is accepted.

In either (1) or (2) of the following cases, the entrance examination fee once paid will be returned after deducting the transfer fee. We will mail the form of the "Refund Claim" for refund of the examination fee. Fill in the required information such as the "application number," "name in kana letters," "name," "phone number," "address," "payee account information," and "reason of refund claim," imprint your seal on the form, and mail the form to the respective Support Office indicated in the section "II Programs and Number of Students to be Admitted" (Page 8) before Monday, February 28, 2022.

The charge for use of the Internet Application System will not be repaid for any case.

- (1) The applicant does not submit the application documents or the application documents are not received.
- (2) The payment of the entrance examination fee is duplicated.

Step 7: Complete the registration of the application information.

Write down **the application number of six digits** that is shown on the screen.

Step 8: Mail the application documents.

For the submission address, refer to the section "II Programs and Number of Students to be Admitted" (page 8).

Indicate the phrase "Application documents for ○○○ Program of Graduate School of Advanced Science and Engineering are enclosed. "in red on the front surface of the envelope.

V Application Documents

Note that the required documents vary for each Program.

It is required to attach the English or Japanese translation to the application documents written in other language.

Science Programs

(Mathematics/Physics/Earth and Planetary Systems Science/Basic Chemistry)

After making the application via internet, submit all the documents listed below at once during the application period to the relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 8). Download the specified forms (3, 4 and 5) from the website of the Graduate School.

No	Document Name	Note				
1	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 3, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective Graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	Research Plan	Use the specified form to prepare.				
4	Letter of Recommendation (2 copies)	<p>Use the specified form to prepare and submit both letters of ① and ② below.</p> <p>① Letter signed by the head of an organization to which the applicant belongs.</p> <p>② Letter signed by the applicant's academic supervisor.</p>				
5	Summary of Master's thesis	<p>Use the specified form to prepare.</p> <p>The applicant who has not passed through the master's course yet must submit the intermediate report of the master's thesis (in Japanese with a length of approximately 2,000 characters or English with a length of approximately 800 words).</p>				
6	Score Certificate of English-language proficiency	Submit the score certificate (copy) of either of the examinations such as TOEFL®, TOEIC®, CET, IELTS Academic or Cambridge English Qualifications.				
7	Published articles (optional)	<p>Published articles or preprints.</p> <p>For the article written in a language other than Japanese and English, attach an abstract in Japanese or English (in free format).</p>				

(Caution) The applicant who has passed a preliminary evaluation of the application eligibility need not submit the document No. 2 and 3 above.

Engineering Programs & Informatics and Data Science Program

(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Mechanical Engineering / Transportation and Environmental Systems / Architecture / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation)

After making the application via internet, submit all the documents listed below at once during the application period to the relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 8). Download the specified forms (4, 5, 6, 7 and 8) from the website of the Graduate School.

No	Document name	Note								
1	Academic transcript of the Graduate School	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.								
2	Academic transcript of the Undergraduate School	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.								
3	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Graduate</th> <th style="width: 50%;">Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td>· 教育部学历证书电子注册备案表*</td> <td>· 教育部学籍在线验证报告*</td> </tr> <tr> <td>· 毕业证书</td> <td>· 毕业预定证书</td> </tr> <tr> <td>· 学士 (硕士) 学位证书</td> <td></td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 3, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	· 教育部学历证书电子注册备案表*	· 教育部学籍在线验证报告*	· 毕业证书	· 毕业预定证书	· 学士 (硕士) 学位证书	
Graduate	Prospective Graduate									
· 教育部学历证书电子注册备案表*	· 教育部学籍在线验证报告*									
· 毕业证书	· 毕业预定证书									
· 学士 (硕士) 学位证书										
4	Research plan	Use the specified form to prepare.								
5	Letter of Recommendation (2 copies)	<p>Use the specified form to prepare and submit both letters of ① and ② below.</p> <p>① Letter signed by the head of an organization to which the applicant belongs.</p> <p>② Letter signed by the applicant's academic supervisor.</p>								
6	Summary of Master's thesis	<p>Use the specified form to prepare.</p> <p>The applicant who has not passed through the master's course yet must submit the intermediate report of the master's thesis (in Japanese with a length of approximately 2,000 characters or English with a length of approximately 800 words).</p>								
7	Personal History	Use the specified form to prepare.								
8	List of Research Achievements	<p>Use the specified form to prepare.</p> <p>List the research results related to publications, reports, patents, utility model rights, etc.</p>								
9	Copy or abstract of research achievements	Submit a copy or the abstract of all the research achievements listed in the document No. 8 “List of Research Achievements” above.								

(Caution) The applicant who has passed a preliminary evaluation of application eligibility need not submit the document No. 3, 4, 8 and 9 above.

Quantum Matter Program

After making the application via internet, submit all the documents listed below at once during the application period to the relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 8). Download the specified forms (3, 4, 5 and 7) from the website of the Graduate School.

No	Document name	Note				
1	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 3, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	Research Plan	Use the specified form to prepare.				
4	Letter of Recommendation	Use the specified form to prepare. Signed by the applicant’s academic supervisor or equivalent in the university which the applicant is currently enrolled in or has graduated from.				
5	Summary of Master’s thesis	Use the specified form to prepare. The applicant who has not passed through the master's course yet must submit the intermediate report of the master's thesis (in Japanese with a length of approximately 2,000 characters or English with a length of approximately 800 words).				
6	Score certificate of English-language proficiency	Submit the original score certificate of either of the examinations such as TOEFL®, TOEIC®, CET, IELTS Academic or Cambridge English Qualifications.				
7	List of Research Achievements	Use the specified form to prepare. List the research results related to publications, reports, patents, utility model rights, etc.				
8	Copy or abstract of research achievements	Submit a copy or the abstract of all the research achievements listed in the document No. 7 “List of Research Achievements” above.				
9	Certificate of Graduate Record Examination (hereinafter referred to as GRE®) (optional)	The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.				
10	Copy of the Master's thesis	The applicant who has a master's degree or a professional degree				

(Caution) The applicant who has passed a preliminary evaluation of the application eligibility need not submit the document No. 2, 3, 7 and 8 above.

Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)

After making the application via internet, submit all the documents listed below at once during the application period to the relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 8). Download the specified forms (3, 4, 5 and 7) from the website of the Graduate School.

No	Document name	Note				
1	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 3, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	Research Plan	Use the specified form to prepare.				
4	Letter of Recommendation (2 copies)	<p>Use the specified form to prepare and submit both letters of ① and ② below.</p> <p>① Letter signed by the head of an organization to which the applicant belongs.</p> <p>② Letter signed by the applicant’s academic supervisor.</p>				
5	Summary of Master’s thesis	<p>Use the specified form to prepare.</p> <p>The applicant who has not passed through the master's course yet must submit the intermediate report of the master's thesis (in Japanese with a length of approximately 2,000 characters or English with a length of approximately 800 words).</p>				
6	Score certificate of a language proficiency (optional)	<p>The applicant who has taken either ① or ② of the following examinations can submit a copy of the score certificate.</p> <p>① English-language proficiency examinations</p> <ul style="list-style-type: none"> · TOEIC®-Public Test · TOEIC®-IP · TOEFL®-PBT (ITP) · TOEFL®-iBT · IELTS Academic · Cambridge English Qualifications <p>② JLPT (Japanese-Language Proficiency Test)</p>				
7	Personal History	Use the specified form to prepare.				
8	Published articles (optional)	<p>Published articles or preprints.</p> <p>For the article written in a language other than Japanese and English, attach an abstract in Japanese or English (in free format)</p>				

(Caution) The applicant who has passed a preliminary evaluation of the application eligibility need not submit the document No. 2 and 3 above.

VI Selection Process

1. Schedule of the Entrance Examination

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Monday, November 8, 2021 - Friday, November 19, 2021	A day specified by the head of the Program between Monday, November 29, 2021 and Wednesday, December 8, 2021	Oral examination via internet	Planned to be Monday, December 20, 2021.

(Caution)

- (1) Dates and time listed above are represented in Japan Standard Time (JST).
- (2) The date of the entrance examination will be notified by the head of the respective Programs.

2. Examination Subjects

Your academic abilities regarding knowledge in the specialized field, application capability, and problem-solving abilities will be evaluated by the oral examination via internet using Skype or the other method.

Details of the oral examination will be notified on the day of the entrance examination.

3. Selection Process

(1) Basic Policy

The results of the oral examination and the application documents will be comprehensively evaluated.

(2) Evaluation Criteria

【Oral examination】 Scale of 1 to 3 (A, B, C)

【Application documents】 Scale of 1 to 3 (A, B, C)

4. Result Announcement

The results will be notified to the accepted applicants via e-mail.

We will also send the Notice of acceptance and the admission guide to the accepted applicants.

(We do not answer any inquiry via phone.)

VII Miscellaneous

1. Instruction for Application

- (1) Consult with the faculty who is expected to be your academic supervisor about your research theme before applying.

For the information regarding the faculty of the Graduate School, refer to following website.

URL: <https://www.hiroshima-u.ac.jp/en/adse/research>



The consultation is held as part of information provision from the Graduate School and does not affect the result of the selection in any way.

- (2) If there is any deficiency in the application documents, they may not be accepted. After the application documents are accepted, they shall not be returned and amending the information described in them is not allowed for any reason.
- (3) The certificates must be the original or a copy with the original certification. Any copy without the original certification will not be accepted as the valid certificate.
- (4) The score certificate of a language proficiency will be used for the following purposes:
 - ① Entrance examination
 - ② Statistics and analysis of a language proficiency of applicants
- (5) The admission approval shall be withdrawn when it is found that the submitted documents contain any false indication.
- (6) The admission approval shall be withdrawn when the applicant who was expected to meet any of the application eligibilities at the time of application has failed to meet the concerned criteria by the enrollment date.

2. Consultation with the Applicant who Needs Special Consideration for the Entrance Examination and/or Education in the Graduate School

The applicant who needs special consideration for the entrance examination and/or education in the Graduate School is requested to submit the application form (in free format) which contains the following information to the respective Support Offices listed in the section "II Programs and Number of Students to be Admitted" (page 8) to arrange a consultation

A. Period for the consultation: Monday, October 18 - Friday, October 29, 2021

B. Information to be described in the application

- ① Name & address of the applicant (the applicant's phone number must be included)
- ② Name of the university from which the applicant has graduated, Program for which the applicant will apply, and the name of the faculty who is expected to be the applicant's academic supervisor
- ③ Type and severity of the disability (submit a medical certificate issued by a doctor if the applicant is in treatment)
- ④ Measures to be taken for the examination
- ⑤ Measures to be taken for the education in the Graduate School
- ⑥ Specific measures that were taken in the university from which the applicant has graduated
- ⑦ Conditions of the daily life

3. Handling of Personal Information

The personal information obtained via the admission selection process (name, birth date, gender, and the other personal information) is used for the selection of entrants, notification to the successful applicants, and the admission procedure. After the enrollment, Hiroshima University will manage the information for the purposes of student support (e.g. application for scholarship and tuition exemption) and investigation & research activities (e.g. improvement of the entrance examination system, investigation and analysis on the trend of application). We neither use the information for the other purposes nor provide it to the person other than our concerned faculty and staffs.

4. Admission Procedure

(1) Documents for admission procedure

The documents will be sent after the selection result is announced.

UCARO system is used as a part of the admission procedures.

(2) Fee

A: Enrollment fee: 282,000 yen

B: Tuition (per year): 535,800 yen

① The enrollment fee once paid will not be returned for any reason.

② The amounts listed above are as of April 2021. When the amount is revised at the time of admission or while the student is enrolled in the university, it is required to pay the revised amount.

5. Application for Disclosure of Examination Results

- (1) The information regarding the result of the entrance examination of the Graduate School listed in the table below can be disclosed only to the applicant (hereinafter referred to as the “applicant for disclosure”).

Item	Disclosed information
Examination score	Evaluation results of oral examination and application documents (scale assessment)

- (2) The examination result (personal information) will be disclosed on the respective Support Offices or sent via mail.
- (3) The applicant for disclosure is required to download the form of "Application for Entrance Examination Result Disclosure" from the website of the Graduate School, fill in the required information, and directly submit or mail it to the respective Support Offices.
It is also required to submit the admission ticket for identification.
- (4) The Application for Entrance Examination Result Disclosure will be accepted during the period from April 1, 2022 to May 31, 2022.
- (5) The result of the application shall be notified within 30 days after the Application for Entrance Examination Result Disclosure is received.

6. Others

- (1) Smoking has been prohibited entirely in all HU campuses from January, 2020.
- (2) 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.