

April 2021 admission (B Term)

Graduate School of Advanced Science and Engineering

(Master's Course)

Division of Advanced Science and Engineering

General Selection Application Guidebook

Mathematics Program

Physics Program

Earth and Planetary Systems Science Program

Applied Chemistry Program

Electrical, Systems, and Control Engineering Program

Civil and Environmental Engineering Program

Informatics and Data Science Program

Smart Innovation Program

(Electrical, Systems, and Control Engineering)

Quantum Matter Program

Transdisciplinary Science and Engineering Program

(Environmental and Natural Sciences)

Transdisciplinary Science and Engineering Program

(Development Science)

November 2020



HIROSHIMA UNIVERSITY

Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Master's Course) Admission Policy

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 the promotion of advanced and high-level academic and inter-disciplinary research;
- ② The will to be engaged 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 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 and ethics required for a member of society.

Contents

Admission Policy of Graduate School of Advanced Science and Engineering (Master's Course).....	2
I Programs and Number of Students to be Admitted.....	5
β Outline of Entrance Examination.....	6
1. Schedule of the Entrance Examination.....	6
2. Application Eligibility.....	6
3. Required Documents and Selection Process.....	6
4. Application Procedure.....	6
5. Result Announcement.....	7
à Application Eligibility.....	8
1. Application Eligibility.....	8
2. Prerequisites for Application.....	8
á Required Documents and Selection Process.....	11
Science Programs	12
(Mathematics Physics Earth and Planetary Systems Science)	
1. Admission Policy.....	12
2. Application Documents.....	12
3. Selection Process.....	13
Engineering Programs & Informatics and Data Science Program	15
Applied Chemistry / Electrical, Systems, and Control Engineering / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Electrical, Systems, and Control Engineering)	
1. Admission Policy.....	15
2. Application Documents.....	16
3. Selection Process.....	17
Quantum Matter Program	20
1. Admission Policy.....	20
2. The Supervisors who will Accept Students.....	20
3. Application Documents.....	20
4. Selection Process.....	22
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	23
1. Admission Policy.....	23
2. Application Documents.....	23
3. Selection Process.....	25
Transdisciplinary Science and Engineering Program (Development Science)	26
1. Admission Policy.....	26
2. Application Documents.....	26
3. Selection Process.....	28
â Application Procedure.....	29
ã Miscellaneous.....	32
1. Instruction for Application.....	32
2. Consultation with the Applicant who Needs Special Consideration for the Entrance Examination	

and/or Education in the Graduate School..... 32

3. Handling of Personal Information..... 32

4. Admission Procedure..... 33

5. Application for Disclosure of Examination Results 33

6. Others 33

Special Measure of Exemption from the Entrance Examination Fee for the Applicant..... 34

I Programs and Number of Students to be Admitted

The Division of Advanced Science and Engineering of Graduate School of Advanced Science and Engineering in Hiroshima University will accept applicants in General Selection for April 2021 admission to the Master's Course as indicated below.

【April 2021 Admission (B Term)】

Division	Program	Capacity	Admission capacity	Venue for examination	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	449	Several students	School of Engineering and School of Science Hiroshima University	Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468
	Physic Program				
	Earth and Planetary Systems Science Program				
	Applied Chemistry Program				Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518
	Electrical, Systems, and Control Engineering Program				
	Civil and Environmental Engineering Program				
	Informatics and Data Science Program				
	Smart Innovation Program (Electrical, Systems, and Control Engineering)				Support Office for the fields of Science 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Quantum Matter Program				
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)				
	Transdisciplinary Science and Engineering Program (Development Science)				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 (Development Science)					
Transdisciplinary Science and Engineering Program (Development Science)	Support Office for the fields of International Development and Cooperation 739-8529 1-5-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-4680				

(Caution)

- The selection for April 2021 admission will be suspended for the following programs:
Basic Chemistry Program, Chemical Engineering Program, Mechanical Engineering Program, Transportation and Environmental Systems Program, and Architecture Program, Smart Innovation Program (Applied Chemistry)
- The specific venue of the entrance examination will be notified after the application.
- Consult with the faculty who is expected to be your academic supervisor about your research theme before applying.
For the information regarding faculties of the Graduate School of Advanced Science and Engineering, refer to the following website.

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



II Outline of Entrance Examination

1. Schedule of the Entrance Examination

(1) Mathematics Program / Physics Program / Earth and Planetary Systems Science Program

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Monday, January 4, 2021 – Friday, January 8, 2021	9:00 -, Friday, January 29, 2021	Written examination Oral examination	Planned to be 12:00 -, Friday, February 19, 2021
	(Preliminary day: Saturday, January 30, 2021)		

(2) Applied Chemistry Program / Electrical, Systems, and Control Engineering 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) / Transdisciplinary Science and Engineering Program (Development Science)

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Monday, January 4, 2021 – Friday, January 8, 2021	9:00 -, Thursday, January 28, 2021	Written examination*	Planned to be 12:00 -, Friday, February 19, 2021
	9:00 -, Friday, January 29, 2021	Oral examination	
	(Preliminary day: Saturday, January 30, 2021)		

* Examination of Specialized subjects of Quantum Matter Program are conducted by oral assessment.

(Caution)

For both (1) and (2) above, in the difficult case of carrying out the entrance examination because of bad weather, epidemic, etc., the entrance examination may be held on the preliminary day. Postponement of the examination, extension of the starting time of the examination and so forth will be notified on the website of the Graduate School of Advanced Science and Engineering (<https://www.hiroshima-u.ac.jp/adse>). Please keep yourself updated.

2. Application Eligibility

Refer to the section "Application Eligibility" (pages 8 – 10).

3. Required Documents and Selection Process

Refer to the page for each Program listed in the section "5 H T X L U H G ' R (Page 11) H Q W V and confirm the required documents and selection process (examination subject, basic policy, and evaluation criteria).

4. Application Procedure

(1) Your application will be accepted via internet during the application period.

Refer to the procedure described in the section "V Application Procedure" (page 29).

(2) Deliver or mail your application documents specified by each Program to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5).

The Support Office is open from 8:30 to 17:00 during the application period for the applicant who delivers the application documents.

In the case of submission via mail, the documents must be sent in a registered mail and reach us no later than 17:00, Friday, January 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, January 6.

III Application Eligibility

1. Application Eligibility

The applicant must meet either of the following items:

- (1) A person who has graduated from a university or college, or is expected to graduate;
- (2) A person who was conferred a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education in accordance with the provisions of Item 7 of Article 104 of the School Education Law of Japan (Law No. 26 of 1947), or is expected to be conferred (hereinafter referred to as "expected graduate");
- (3) A person who passed through a 16-year school education program in a foreign country, or is expected to pass through;
- (4) A person who studied class subjects provided by a foreign school as a correspondence course in Japan and passed through a 16-year school education course within the school education system in the concerned foreign country, or is expected to pass through;
- (5) A person who passed through an education course provided by a foreign education institution located in Japan which is established as an undergraduate course (limited to the course whose graduates are regarded as having passed through a 16-year school education course) within the school education system in the concerned foreign country and is approved by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), or is expected to pass through;
- (6) A person who was conferred a degree equivalent to a bachelor's degree, by passing through an education course that requires three years or longer to complete (including the case of the item (5) above), in a university or other school (limited to those institutions whose education and research activities have been certified by the person who has been certified by the concerned foreign country's government or the relevant institutions, or have been separately designated by MEXT as being equivalent to such) in a foreign country;
- (7) A person who passed through, on or after the date specified by MEXT, a postsecondary course (limited to courses whose period is four years or longer and that fulfill other criterias specified by MEXT) of a specialized training college that has been separately designated by MEXT, or is expected to pass through;
- (8) A person who has been designated by MEXT (as defined in the Notification of Ministry of Education, No. 5 of 1953; e.g. a person who graduated from a university established under the University Ordinance in 1886 or a college established under a law stipulated for the concerned government agency regarding its establishment such as the act for establishment, order for organization, and individual law for the Incorporated Administrative Agencies);
- (9) A person who entered a graduate school according to the provisions

Document name		Note				
a	Application Form for Preliminary Evaluation	Use the specified form to prepare.				
b	Record of Application Eligibility Evaluation	Use the specified form to prepare.				
c	Reasons for Application	Use the specified form to prepare.				
d	Research plan	Must use A4 sized paper; free format. Attach a list of research achievements, if any.				
e	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
f	Certificate of student registration or graduation from the graduate school	Issued by the president of the university or the dean of the graduate school from which the applicant has graduated or is currently enrolled in.				
g	Reference for Educational Background	<p>Only for the applicant who has graduated from a foreign university. Use the specified form to prepare.</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 required to obtain and submit the following document:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> 学历证书电 备 * 毕业证书 硕 证书 </td> <td> 线验证报 * 毕业预 证书 </td> </tr> </tbody> </table>	Graduate	Prospective Graduate	学历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书
		Graduate	Prospective Graduate			
学历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书					
<p>* Obtain the document for which the Web authentication will be valid as of Friday, December 25, 2020 via the authentication system of the Ministry Education of China (学历证书查询). The issuance fee must be paid by the applicant. http://www.chsi.com.cn/xlcx/bgys.jsp</p>						
h	Return envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 374-yen stamp to the front.				

(Caution) It is required to attach the English or Japanese translation to the application document written in the other language.

【The applicant who falls under the category of the item (10) above】

Download the specified forms (a, b, c, g and h) from the website of the Graduate School of Advanced Science and Engineering.

Document Name

Note

		<table border="1"> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> <tr> <td> 学历证书电 备 * 毕业证书 硕 证书 </td> <td> 线验证报 * 毕业预 证书 </td> </tr> </table>	Graduate	Prospective Graduate	学历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书
Graduate	Prospective Graduate					
学历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书					
		<p>* Obtain the document for which the Web authentication will be valid as of Friday, December 25, 2020 via the authentication system of the Ministry Education of China (历证书查询). The issuance fee must be paid by the applicant. http://www.chsi.com.cn/xlcx/bgys.jsp</p>				
i	Return envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 374-yen stamp to the front.				

(Caution) It is required to attach the English or Japanese translation to the application document written in the other language.

(2) The evaluation results will be notified to the applicant by Monday, December 28, 2020.

(3) The applicant who has successfully passed a preliminary evaluation must submit the application documents (except the ones which have been already submitted in a preliminary evaluation) specified for each Program. Refer to the page for each Program listed in the section " Required Documents and Selection Process" (page 11).

IV Required Documents and Selection Process

Note that the required documents and selection process vary for each program.

For the details, refer to the page listed in the table below.

Program	Category	Page(s) to be referred
Mathematics Program	Science Programs	Pages 12 to 14
Physics Program		
Earth and Planetary Systems Science Program		
Applied Chemistry Program	Engineering Programs & Informatics and Data Science Program	Pages 15 to 19
Electrical, Systems, and Control Engineering Program		
Civil and Environmental Engineering Program		
Informatics and Data Science Program		
Smart Innovation Program (Electrical, Systems, and Control Engineering)		
Quantum Matter Program		Pages 20 to 22
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)		Pages 23 to 25
Transdisciplinary Science and Engineering Program (Development Science)		Pages 26 to 28

Science Programs

Mathematics Physics Earth and Planetary Systems Science

1. Admission Policy

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 active promotion of specialized and/or cross-disciplinary research in mathematics with a sense of purpose;
- ② The will to be engaged in professions that require expertise, such as researchers, educators, and engineers in mathematics areas;
- ③ A zeal for establishing the "science that enables sustainable development" from diversified points

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 required to obtain and submit the following document:</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 style="text-align: center;"> 毕业证书 硕 证书 </td> <td style="text-align: center;"> 毕业预 证书 线验证报 * </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, January 22, 2021 via the authentication system of the Ministry Education of China (http://www.chsi.com.cn/xlcx/bgys.jsp 学历证书查询). The issuance fee must be paid by the applicant.</p>	Graduate	Prospective Graduate	毕业证书 硕 证书	毕业预 证书 线验证报 *
Graduate	Prospective Graduate					
毕业证书 硕 证书	毕业预 证书 线验证报 *					
3	Certificate of expected application for the conferment of a bachelor's degree or certificate of a bachelor's degree	<p>Only for the applicant who falls under the category of the item (2) of application eligibility.</p> <ul style="list-style-type: none"> • Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. • Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education. 				
4	Certificate of English -language proficiency	<p>Only for the applicant for Earth and Planetary Systems Science Program.</p> <p>Submit the original score certificate of TOEIC® public test, TOEIC®-IP (including College TOEIC®), TOEFL®-CBT, TOEFL®-PBT, or TOEFL®-iBT. If you want your certificate to be returned, please inform us in advance at the time of application.</p>				
5	Return envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 94-yen stamp to the front (for sending the Examination Card).				

(Caution 1) It is required to attach the English or Japanese translation to the application document written in the other language.

(Caution 2) The applicant who has successfully passed a preliminary evaluation of application eligibility need not submit the document No. 1 and 2 above.

3. Selection Process

(1) Basic Policy

Mathematics Program

The written examination (specialized subject) is given to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities while the written examination (foreign-language proficiency) to evaluate the language proficiency required for the Program. Foreign applicants are required to consult with the Support Office in advance about selection process.

Physics Program

The written examination (specialized subject) and the oral examination are given to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities.

Earth and Planetary Systems Science Program

The written examination (specialized subject) and the oral examination are given to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities.

(2) Evaluation Criteria

Mathematics Program

The results of the written examinations (specialized subject and foreign-language proficiency) and the oral

examination and the academic transcript will be comprehensively evaluated.

【Written examination】 Specialized subject (max. 400 points); foreign-language proficiency (max. 100 points)

【Oral examination】 Scale of 1 to 4 (A, B, C, D)

【Academic transcript】 Scale of 1 to 3 (A, B, C)

Physics Program

The results of the written examination, oral examination and the academic transcript will be comprehensively evaluated.

【Written examination】 Scale of 1 to 4 (A, B, C, D)

【Oral examination】 Scale of 1 to 4 (A, B, C, D)

【Academic transcript】 Scale of 1 to 3 (A, B, C)

Earth and Planetary Systems Science Program

Foreign-language proficiency, the results of the written examination, oral examination, and the academic transcript will be comprehensively evaluated.

【Written examination】 Scale of 1 to 4 (A, B, C, D)

【Foreign-language proficiency】 TOEIC® or TOEFL® scores converted to max. 200 points

【Oral examination】 Scale of 1 to 4 (A, B, C, D)

【Academic transcript】 Scale of 1 to 3 (A, B, C)

(3) Written Examination and Oral Examination Schedule

Program name	Written examination		Oral examination
Mathematics Program	Friday, January 29	Specialized subject 9 : 00 - 12 : 00 Foreign-language proficiency 13 : 30 - 14 : 30	15:00 -, Friday, January 29

(Caution 1) The written examination in foreign-language proficiency must be English.

(Caution 2) Foreign applicants are required to consult with the Support Office in advance about the examination language for the written examination in specialized subject.

(Caution 3) For contents of the written examination in specialized subject and the use of a dictionary in the written examination in foreign-language proficiency, refer to the "(2) Contents of the Written Examination in Specialized Subject and the Use of a Dictionary in the Written Examination in Foreign-language Proficiency."

(Caution 4) The details of the oral examination will be notified on the examination day.

Program name	Written examination and oral examination
Physics Program	9:00-, Thursday, January 28
Earth and Planetary Systems Science Program	

(Caution 1) The details of the written examination in specialized subject and the oral examination will be notified on the examination day.

(Caution 2) The applicants for Physics Program are required to consult with the faculty who is expected to be your academic supervisor in advance.

(Caution 3) For contents of the written examination in specialized subject, refer to the "(2) Contents of Written Examination in Specialized Subject and Use of Dictionary in Written Examination in Foreign-language Proficiency."

(4) Contents of Written Examination in Specialized Subject and Use of Dictionary in Written Examination in Foreign-language Proficiency

Program name	Contents
Mathematics Program	Basic questions concerning mathematics The use of a dictionary will not be allowed during the written examination in foreign-language proficiency
Physics Program	Questions concerning dynamics, electromagnetics, quantum dynamics, and thermal / statistical dynamics
Earth and Planetary Systems Science Program	Basic questions concerning earth and planetary systems science

Engineering Programs & Informatics and Data Science Program

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

1. Admission Policy

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 academic research and inter-disciplinary activities;
- ② The will to be engaged in professional occupations such as researchers and 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 knowledge and study skills for the academic areas related to applied chemistry as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

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 academic research and inter-disciplinary activities;
- ② The will to be engaged in professional occupations such as researchers and 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 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 the electrical, systems, and control engineering as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

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 academic research and inter-disciplinary activities;
- ② The will to work 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 knowledge and study skills for the academic areas related to the civil and environmental engineering as well as a wide range of intelligence;

- ④ Common sense and ethics required for a member of society.

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 academic research and inter-disciplinary activities;
- ② The will to be engaged in professional occupations such as researchers and 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 a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to the smart material development, the smart measurement and control, and their fusion technologies as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

2. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the Support Office indicated in the "I Programs and Number of Students to be Admitted" (page 5). Download the specified forms (4, 7, 8 and 10) from the website of the Graduate School of Advanced Science and Engineering.

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. The applicant who has graduated or is expected to graduate from the advanced course in a college of technology must submit the academic transcript for both the regular and advanced course.
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty from which the applicant has graduated. If the certificate does not indicate that you were conferred a bachelor's degree, submit another document that proves it.
3	Certificate of expected application for the conferment of a bachelor's degree or certificate of a bachelor's degree	Only for the applicant who falls under the category of the item (2) of application eligibility. • Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. • Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.
4	List for the Oral Examination	Use the specified form to prepare.
5	Score certificate of English-language proficiency	Submit the original score certificate of either of the following examinations which was held in the period from May 2017 to the time of application. (The submitted score certificate will be returned to the applicant after confirmation). Although there is no minimum standard for the scores, application without submission of the score certificate will not be accepted. The applicant who does not have their score certificate at hand at the time of application is required to consult with the Support Office in advance. TOEIC® Public Test TOEIC®-IP (including College TOEIC®) TOEFL®-PBT TOEFL®- ITP TOEFL®-iBT IELTS Academic Cambridge English Qualifications
6	Score certificate of	Submit a copy of the document No. 5 "Score certificate of English-language

	English-language proficiency (copy)	proficiency" (in A4 sized paper)				
7	Registration of selected subject for Applicants of Civil and Environmental Engineering Program	Only for the applicant for Civil and Environmental Engineering Program. Use the specified form to prepare.				
8	Copy of residence card	Only for foreign applicants residing in Japan. If your address is written on the back side of the card, make a two-sided copy.				
9	Reference for Educational Background	<p>Only for the applicant who has graduated from a foreign university. Use the specified form to prepare.</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 required to obtain and submit the following document:</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 style="text-align: center;"> 毕业证书 硕 证书 </td> <td style="text-align: center;"> 毕业预 证书 线验证报 * </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, January 22, 2021 via the authentication system of the Ministry Education of China (http://www.chsi.com.cn/xlcx/bgys.jsp 学历证书查询). The issuance fee must be paid by the applicant.</p>	Graduate	Prospective Graduate	毕业证书 硕 证书	毕业预 证书 线验证报 *
Graduate	Prospective Graduate					
毕业证书 硕 证书	毕业预 证书 线验证报 *					
10	Return envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 94-yen stamp to the front (for sending the Examination Card).				

(Caution 1) It is required to attach the English or Japanese translation to the application document written in the other language.

(Caution 2) The applicant who has successfully passed a preliminary evaluation of application eligibility need not submit the document No. 1, 2 and 10 above.

3. Selection Process

(1) Basic Policy

Academic abilities (based on the written examination and the oral examination) , English (based on Score certificate of English-language proficiency; only for Informatics and Data Science Program.), and the academic transcript will be comprehensively evaluated.

(2) Evaluation Criteria

○Applied Chemistry Program, Electrical, Systems, and Control Engineering Program, Civil and Environmental Engineering Program, Smart Innovation Program(Electrical, Systems, and Control Engineering)

【Written examination】 Specialized subject (max. 200 points)

Basic academic abilities, thinking abilities, understanding and creativity will be evaluated.

【Oral examination】 Max. 100 points

【Academic transcript】 Scale of 1 to 4

○Informatics and Data Science Program

【Written examination】 Specialized subject (max. 600 points)

Basic academic abilities, thinking abilities, understanding and creativity will be evaluated.

【Oral examination】 Motivation, aptitude for the desired subject of study and basic academic abilities will be evaluated in scale of 1 to 3.

【English】 max. 100 points (Converted from Score certificate of English-language proficiency)

【Academic transcript】 Scale of 1 to 4

(3) Written Examination and Oral Examination Schedule

Program name	Written examination			Oral examination
Applied Chemistry Program	Thursday, January 28	Specialized V X E	9 : 00 - 12 : 00	9:00-, Friday, January 29
		Specialized V X E	13 : 30 - 15 : 00	
Electrical, Systems, and Control Engineering Program	Thursday, January 28	Specialized V X E	9 : 00~12 : 00	
		Specialized V X E	13 : 30~14 : 30	
Civil and Environmental Engineering Program	Thursday, January 28	Specialized V X E	9 : 00~11 : 30	
		Specialized V X E	13 : 30~15 : 00	
Informatics and Data Science Program	Thursday, January 28	Specialized V X E	9 : 00~11 : 00	
		Specialized V X E	13 : 30~15 : 30	
Smart Innovation Program (Electrical, Systems, and Control Engineering)	Thursday, January 28	Specialized V X E	9 : 00~12 : 00	
		Specialized V X E	13 : 30~14 : 30	

(Caution 1) For the contents of the written examination in specialized subject, refer to the table below.

(Caution 2) The details of the oral examination will be notified on the examination day.

(4) Contents of Written Examination

Program name	Subject name	Category	Contents
Applied Chemistry Program	Applied Chemistry	Written examination (Specialized V X E)	Organic and Polymer Chemistry, Inorganic and Analytical Chemistry, Physical Chemistry

Civil and Environmental Engineering Program	Civil and Environmental Engineering	Written examination (Specialized subject) P	<p>Select and answer one of the following six subjects (You must select and register the subject at the time of application)</p> <ul style="list-style-type: none"> • Structural Engineering (Strength of Material, Structural Mechanics, Energy Principles) • Concrete Engineering (Materials for Concrete, Properties of Fresh and Hardened Concrete, Concrete Structure) • Geotechnical Engineering (Soil Mechanics, Design of Earth Structures, Geotechnical Disaster Mitigation) • Sanitary and Environmental Engineering (Water Chemistry, Water Supply and Sewerage Systems, Microbial Ecology, Kinetics) • Hydraulics (Conservation Laws of Momentum and Energy, Laminar and Turbulent Flows, Flows in Open Channels and Conduits) • Infrastructure and Transportation Planning (City Planning and Transportation Demand Forecasting) <p>Essay</p>
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Written examination (Specialized subject) B

Quantum Matter Program

1. Admission Policy

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 be engaged in 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 acquiring knowledge and skills related to areas mentioned above 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 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 and ethics required for a member of society.

2. The Supervisors who will Accept Students

The supervisors who will accept students in this entrance examination are as follows.

All applicants are required to be given guidance by his or her preferred supervisor prior to application.

ONIMARU Takahiro, KURIKI Masao, SHIMAHARA Hiroshi, SUZUKI Takashi, MATSUMURA Takeshi, ISHII Isao, UMEMOTO Kazunori, TAKAHASHI Tohru, TANAKA Arata, HIGUCHI Katsuhiko, MIYAOKA Hiroki, YAGI Ryuta, IINUMA Masataka, SHIMURA Yasuyuki, HIGA Nonoka, LIPTAK Zachary John, IWASAKA Masakazu, KADOYA Yutaka, KUROKI Shin-Ichiro, TERAMOTO Akinobu, FUJISHIMA Minoru, Holger F. HOFMANN, AMAKAWA Shuhei, KOIDE Tetsushi, SASAKI Mamoru, SUZUKI Hitoshi, NAKAJIMA Anri, NISHIDA Munehiro, MIYAKE Masataka, YOSHIDA Takeshi, SAKAUE Hiroyuki, HANAFUSA Hiroaki

* The applicant must contact in advance the Student Support Office, Graduate School of Science (page 5) when his or her preferred supervisor is in charge of plural programs and takes charge of the Transdisciplinary Science and Engineering Program, including Physics Field of this program. (Please see the Lists of Academic Supervisors (Quantum Matter Program).)

3. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the address indicated in the "Submission Address for Application Documents" (page 5). Download the specified forms (7) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note
1	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant graduated.
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty from which the applicant graduated. If you are a graduate, make sure that the certificate includes information about your degree. The applicant who has graduated or is expected to graduate from a university in

China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:

Graduate

Prospective Graduate

4. Selection Process

(1) Basic Policy

Academic abilities (based on the written examination, oral assessment and the oral examination), English (based on the certificate of English language proficiency), and the academic transcript will be comprehensively evaluated.

(2) Evaluation Criteria

【Written Examination, oral assessment】 Basic subject (max. 100 points); specialized subject (max. 400 points)

Questions to measure basic academic abilities and scientific reasoning sufficient to learn in the graduate school.

【Oral Examination】 Motivation, aptitude for the desired subject of study and basic academic abilities will be evaluated in three-level evaluation (A, B, C).

【English】 max. 100 points (converted from the score certificate of English language proficiency)

(3) Examination Schedule

Thursday, January 28		Friday, January 29
Basic subject	9 : 00 - 10 : 30	Oral Examination 9 : 00 -
Specialized subject	13 : 30 -	

(Caution 1) For the contents of Basic subject and Specialized subject, refer to the table below.

(Caution 2) Details of the oral examination will be notified on the day.

(4) Contents of Basic subject and Specialized subject

) L H C	Category	Examination Subjects
Physics	Basic subject (written examination)	Mathematics
	Specialized subject (oral assessment)	<ul style="list-style-type: none"> • Classical Mechanics • Electromagnetism • Quantum Mechanics • Statistical Thermodynamics (answer four questions above)
Electronic Engineering	Basic subject (written examination)	Mathematics
	Specialized subject (oral assessment)	<ul style="list-style-type: none"> • Electromagnetism • Electronic Circuits • Semiconductor Engineering • Quantum Mechanics (answer three out of the above questions)

5 Please specify either Physics or Electronic Engineering field on the “Registration of selected subject for Applicants of Quantum Matter Program”

Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)

1. Admission Policy

The 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 the promotion of advanced and high-level academic and inter-disciplinary research;
- ② Interest in a new academic area in addition to 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 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 and ethics required for a member of society.

2. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the address indicated in the "Submission Address for Application Documents" (page 5). Download the specified forms (1, 5, 6 and 7) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note						
1	Personal History	Use the specified form to prepare.						
2	Academic transcripts	Issued by the president of the university or the dean of the faculty, the president of the junior college, or the president of the college of technology from which the applicant graduated. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.						
3	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty, the president of the junior college, or the president of the college of technology from which the applicant graduated. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted. If you are a graduate, make sure that the certificate includes information about your degree. The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:</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 style="text-align: center;">历证书电 备 *</td> <td style="text-align: center;">线验证报 *</td> </tr> <tr> <td style="text-align: center;">毕业证书 硕 证书</td> <td style="text-align: center;">毕业预 证书</td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, January 22, 2021 via the authentication system of the Ministry Education of China (http://www.chsi.com.cn/xlcx/bgys.jsp).</p>	Graduate	Prospective Graduate	历证书电 备 *	线验证报 *	毕业证书 硕 证书	毕业预 证书
Graduate	Prospective Graduate							
历证书电 备 *	线验证报 *							
毕业证书 硕 证书	毕业预 证书							
4	Certificate of expected application for the conferment of a bachelor's degree or certificate of a bachelor's degree	<p>Only for the applicant who falls under the category of the item (2) above.</p> <ul style="list-style-type: none"> • Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. • Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education. 						

5	Copy of graduation thesis	<p>Submit a copy of your graduation thesis.</p> <p>The applicant who is preparing the graduation thesis for graduation is required to submit an abstract (with a length of approximately 2,000 characters) in the specified form.</p> <p>The applicant who is unable to submit either the copy of graduation thesis or the abstract must submit any published thesis which proves your research ability.</p> <p>For the applicant who is unable to submit either of the above documents, refer to the document No. 6.</p>
6	Research plan	<p>Submit the summary of your past research and future research plan for your master's course (with a length of approximately 2,000 characters) in the specified form.</p> <p>The applicant who is unable to submit the document No. 5 must indicate its reason.</p>
7	Common Issue	<p>Use the specified form to prepare. Pick up any important issue(s) in contemporary society and explain how you expand interdisciplinary and comprehensive research to solve it, in relation to your research plan submitted in the document No. 6, in a way that is easy to understand for those who are not familiar with your specialized field (with a length of approximately 1,500 characters).</p>
8	Score certificate of English language ability examination or Japanese-Language Proficiency Test	<p>Submit the original score certificate of either of 1 – 4 English language ability examinations below or the original score certificate of Japanese-Language Proficiency Test. The printout from internet is not available. The submitted score certificate will be returned to the applicant after confirmation.</p> <p>The original score certificate of either of the following examinations which was held after April 1, 2017 will be accepted. (*)</p> <ol style="list-style-type: none"> 1. TOEIC® public test or TOEIC® Institutional Program 2. TOEFL® - PBT 3. TOEFL® - iBT 4. Jitsuyo Eigo Gino Kentei (Test in Practical English Proficiency) 5. Japanese-Language Proficiency Test (N1) (Only for non-native speakers of Japanese) <p>The applicant who has the scores of a foreign language examination other than English and Japanese can submit the original score certificate of the concerned foreign language examination in addition to the original score certificate of either of 1-5 examinations listed above. Upon consultation with the faculty who is expected to be your advisor, choose one foreign language to be evaluated for the entrance examination.</p> <p>*Applicants who are unable to submit any score certificate due to the suspension of language ability examination because of COVID-19 should contact the corresponding Support Office in advance.</p> <p>Contact Period: no later than Friday, June 19, 2020</p>
9	Approval Notice of Application Eligibility Evaluation	<p>Only for the applicant who has successfully passed a preliminary evaluation of application eligibility under the category of the item (9) or (10) above.</p> <p>Issued by the dean of the Graduate School of Advanced Science and Engineering, Hiroshima University.</p>
10	Copy of residence card	<p>Only for foreign applicants residing in Japan.</p> <p>If your address is written on the back side of the card, make a two-sided copy.</p>
11	Return envelope	<p>Use standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 94-yen stamp to the front (for sending the Examination Card).</p>

(Caution 1) It is required to attach the English or Japanese translation to the application document written in the other language.

(Caution 2) The applicant who has successfully passed a preliminary evaluation of application eligibility need not submit the document No. 1 and 2 above.

3. Selection Process

(1) Basic Policy

Academic abilities (based on the written examination and the oral examination), foreign language, the academic transcript, graduation thesis, and Common Issue will be comprehensively evaluated.

(2) Evaluation Criteria

【Written examination】 Specialized subject (max. 100 points)

Questions concerning your desired specialized field. Questions concerning a foreign language ability might be asked as well depending on your desired specialized field.

【Oral Examination】 max. 100 points

Motivation, aspirations, and basic research knowledge will be evaluated in scale assessment. Questions concerning a foreign language ability might be asked as well.

【Foreign Language】 max. 100 points (converted from scores of either the English language ability examination or Japanese-Language Proficiency Test)

(3) Written Examination and Oral Examination Schedule

Written Examination (Specialized Subject)	Oral Examination
Thursday, January 28, 9:00 – 11:00	Friday, January 29, 9:00 (approximately 30 minutes for each examinee)

(Caution) Details of the oral examination will be notified on the day.

Transdisciplinary Science and Engineering Program (Development Science)

1. Admission Policy

The 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 the promotion of advanced and high-level academic and inter-disciplinary research;
- ② Interest in a new academic area in addition to 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 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 and ethics required for a member of society.

2. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the address indicated in the "Submission Address for Application Documents" (page 5). Download the specified forms (1, 5, 6 and 7) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note				
1	Registration of selected subject for Applicants of Transdisciplinary Science and Engineering Program (Development Science)	Use the specified form to prepare.				
2	Academic transcript	<p>Issued by the president of the university or the dean of the faculty from which the applicant graduated.</p> <p>The applicant who is currently enrolled in or graduated from a graduate school must submit the academic transcript for both the faculty and the graduate school.</p> <p>If the certificate does not indicate evaluation criteria of grading, submit another document issued by the university that includes evaluation criteria of grading.</p>				
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 graduated.</p> <p>The applicant who is currently enrolled in or graduated from a graduate school must submit the academic transcript for both the undergraduate university and the graduate school.</p> <p>If you are a graduate, make sure that the certificate includes information about your degree.</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 required to obtain and submit the following document:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <thead> <tr> <th style="width: 50%;">Graduate</th> <th style="width: 50%;">Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> 历证书电 备 * 毕业证书 硕 证书 </td> <td style="text-align: center;"> 线验证报 * 毕业预 证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, January 22, 2021 via the authentication system of the Ministry Education of China (历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书
Graduate	Prospective Graduate					
历证书电 备 * 毕业证书 硕 证书	线验证报 * 毕业预 证书					

4	Certificate of expected application for the conferment of a bachelor's degree or certificate of a bachelor's degree	Only for the applicant who falls under the category of the item (2) above. <ul style="list-style-type: none"> Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education. 	
5	Research plan	Use the specified form to prepare.	
6	Reasons for Application	Use the specified form to prepare.	
7	Letter of approval for taking the entrance examination	The applicant who is currently enrolled in a graduate school	Use the specified form to prepare. The applicant who is enrolled in other graduate school must submit a letter of approval for taking the entrance examination issued by the president of the university or the dean of the graduate school
		The applicant who works in private company, international organization, governmental organization, local government, or educational organization	Use the specified form to prepare. The applicant who currently works in private company, international organization, governmental organization, local government, or educational organization and wishes to enroll in our graduate school while in service must submit a letter of approval for taking the entrance examination issued by the organization.
8	Japanese Government (MEXT) Scholarship Certificate	Only for Japanese Government (MEXT) Scholarship recipient's	
9	Certificate of Japanese language ability (The original only)	The score of one of the following Japanese language tests <u>taken within 2 years before the examination date:</u> (1) Japanese Language Proficiency Test, (2) Japanese Examination of Japanese University Admission for International Student (EJU), (3) Final Examination of Preparatory Education for the Foreign Government-sponsored Students granted by the Japanese government in China and Malaysia, or (4) J-Test. Score certificates must be official and original issued by the respective organizations of the examinations. Any other kinds of score documents or photocopy of the certificates are not acceptable.	
10	Certificate of English language ability (The original only)	The score certificate of one of English language tests, including TOEIC(L&R), TOEFL-iBT, TOEFL-PBT, TOEFL-CBT, and IELTS. TOEIC-IP(L&R) or TOEFL-ITP results can be accepted if they are held in a university or an equivalent educational institution. For the scores of the tests held by non-educational organizations, please confirm with Student Support office beforehand. Score certificates must be official and original issued by the respective organizations of the examinations. Any other kinds of score documents or photocopy of the certificates are not acceptable.	
11	Copy of residence card	Only for foreign applicants residing in Japan. If your address is written on the back side of the card, make a two-sided copy.	
12	Return envelope	Use standard envelope (12cm	

3. Selection Process

(1) Basic Policy

Academic abilities (based on the written examination and the oral examination), etc., will be comprehensively evaluated.

(2) Evaluation Criteria

【Written examination (Basic subject and specialized subject)】

In principle, the applicant who has marked higher than 60% of the total scores will be accepted.

Point allocation for each subject: Basic subject (max. 100 points); specialized subject (max. 100 points)

【Oral examination】

The results of the oral examination in the style of interview will be evaluated in scale of three level (A, B, C), including foreign language, the academic transcript, Reasons for Application, and a published thesis about international cooperation.

(3) Written Examination and Oral Examination Schedule

Written Examination	Oral Examination
Thursday, January 28, 9:00 – 11:00	Friday, January 29, 9:00 -

(Caution) Details of the oral examination will be notified on the day.

(4) Subjects of Written Examination

Select one subject from both Basic subject and specialized subject respectively at the time of application.

Subject	Scope and Subject Name
Basic subject	Questions concerning basic fields of Engineering, Science and Agriculture <input type="radio"/> Transdisciplinary Science and Engineering (Development Science)
Specialized subject	<input type="radio"/> Transportation and Urban Planning <input type="radio"/> Urban and Building Environment <input type="radio"/> Environmental Physics for Sustainable Architecture <input type="radio"/> Functional Plant Sciences <input type="radio"/> Energy Science and Technology <input type="radio"/> Ecology <input type="radio"/> Environmental Health Science <input type="radio"/> Urban Environmental Science

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 Deliver or 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 deliver or 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 of ①, ②, and ③ listed in the "(1) Application method" during the application period.

Monday, January 4, 2021 - 17:00, Friday, January 8, 2021

In the case of ③ (submission via mail), the documents must be sent in a registered mail and reach us no later than 17:00, Friday, January 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, January 6.

(3) Application via internet

Inquiry regarding the system

Internet application help desk (only Japanese language available)

Open: 10:00 - 18:00 (closed on Saturday, Sunday, and national holidays)

Tel: 0570-06-5124

UCARO Office (only Japanese language available)

Open: 10:00 - 18:00 (closed in the period from December 30 to January 3)

Tel: 0570-06-5524

For inquiries regarding the entrance examination, refer to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5).

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

* Please note that it is required to include the area code to dial if you call from the following areas, even when you call from an area of the same area code as that of the inquiry contact.

(Areas in Hiroshima City, Fuchu Town, Kaita Town, and Saka Town)

Complete the following 8 steps during the application period.

Step 1: Access the Online Application System.

Access the following website:

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 system is required for application (free of charge).

Hiroshima University uses the system of UCARO for checking the applicant's number and processing a part of admission procedure for the applicant who will pass the entrance examination.

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

The applicant who applies for exemption from the entrance examination fee must consult in advance with the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5) to obtain the alphanumeric characters of eight or more digits and 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.

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 methods on the "Input Payment Information" screen:

1. Credit card: VISA, MasterCard, JCB, AMERICAN EXPRESS, Diners Club
2. Convenience store: 7-ELEVEN, Lawson, MINISTOP, FamilyMart, Daily Yamazaki, and Seicomart
3. ATM of a financial institution [Pay-easy]
4. 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 students who have applied for (or intend to apply for) extension of scholarship payment period are exempted from the entrance examination fee. Those students who are enrolled in the university other than Hiroshima University at the time of application are required to submit the following two documents;

- (1) MEXT Scholarship Certificate
- (2) The document which proves that the applicant has applied for (or intends to apply for) extension of scholarship payment period (must be issued by the university the applicant is enrolled in).

The entrance examination fee once paid will not be returned for any reason after the application is accepted except for the following cases of (1) or (2).

In either case of (1) or (2), the entrance examination fee once paid will be returned after deducting the transfer fee from it. "Refunded Invoice for Entrance Examination Fee" will be sent to you. Fill in the required information, put your personal seal, and mail it back to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5) before Friday, February 26, 2021.

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 accepted.
- (2) The payment of the examination fee is duplicated.

Step 7: Complete the registration of the application information.

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

Step 8: Deliver or mail the application documents.

Deliver or mail your application documents specified by the Program to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5).

The Support Office is open from 8:30 to 17:00 during the application period (except for Saturday, Sunday and national holidays) for the applicant who delivers the application documents.

In the case of submission via mail, the documents must be sent in a registered mail and reach us no later than Friday, January 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, January 6.

Indicate the phrase "Application Documents for ** Program in the Graduate School of Advanced Science and Engineering is enclosed." in red on the front surface of the envelope.

(4) Application documents

Required application documents vary for each Program.

Refer to the page for each Program listed in the section "Required Documents and Selection Process" (page 11).

(5) Submission address for application documents

Refer to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted"
(page 5).

VI 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 faculties of the Graduate School of Advanced Science and Engineering, refer to the 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) The application documents with a defect might be rejected. After the application documents are accepted, they shall not be returned and it is not allowed to amend the information described in them for any reason.
- (3) For the certificates, it is required to submit 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 English-language proficiency submitted for the application for Earth and Planetary Systems Science Program in Science Programs, Engineering Programs & Informatics an Data Science Program, and Quantum Matter Program will be used for the following purposes.
 - ① Entrance examination
 - ② Statistics and analysis of English-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 earn the expected degree or complete the expected school before the date of admission .

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 required to submit the application form (in free format) which contains the following information to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 5) to arrange a consultation.

A. Period for the consultation: Monday, December 7 - Friday, December 11, 2020

B. Information to be described in the application

- ① Name & address of the applicant (the 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 entrance examination.
- ⑤ Measures to be taken for 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 admission procedures. 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 purpose nor provide it to the person other than our concerned faculties and the staff.

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

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

The amounts listed above are as of April 2020. 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 for the Graduate School of Advanced Science and Engineering listed below is disclosed only to the person who has applied for the entrance examination (hereinafter referred to as the "applicant for disclosure").

Item	Disclosed information
Examination score	Points for each subject Evaluation for each subject (including the results of the scale assessment)

- (2) The examination result (personal information) will be delivered on the respective Support Office or be sent via mail to the applicant for disclosure.
- (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 of Advanced Science and Engineering, fill in the required information, and directly submit or mail it to the respective Support Office.
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, 2021 to May 31, 2021.
- (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 Hiroshima University 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.

Special Measure of Exemption from the Entrance Examination Fee for the Applicant

Hiroshima University has decided to implement a special measure of exemption from the entrance examination fee for the entrance examinations in the 2020 academic year, to alleviate the economic burden on and to secure educational opportunities for the applicants affected by the disasters.

The applicant who wishes to be exempted from the entrance examination fee must contact in advance the respective Support Office listed in the section “I Programs and Number of Students to be Admitted” (page 5).

1 Examinations to which the Special Measure is Applied

The entrance examinations held in the 2020 academic year (including selections of re-admission, transfers, and mid-course entry admission).

2 Special Measure

Exemption from the entrance examination fees

*Fees for the entrance examination result disclosure will be covered as well.

3 Disasters to which the Special Measure is Applied

- (1) The 2016 Kumamoto Earthquake
- (2) The Heavy Rain Event of July 2018
- (3) Any disasters covered by the Disaster Relief Act after August 28, 2019

4 The Applicant Eligible for Exemption

The applicant who was affected by the disaster specified in the “3 Disasters to which the Special Measure is Applied” in the areas covered by the Disaster Relief Act, and who falls under either of the following conditions.

- (1) The house in which the family’s chief provider bearing the applicant’s school expenses resides was completely destroyed, largely destroyed, or half-destroyed.
 - (2) The family’s chief provider bearing the applicant’s school expenses died or was listed as missing in the disaster
- (Caution) For the details of the areas covered by the Disaster Relief Act, refer to the following website.

http://www.bousai.go.jp/taisaku/kyuujo/kyuujo_tekiyu.html

5 Application

The applicant must contact in advance the respective Support Office listed in the section “I Programs and Number of Students to be Admitted” (page 5), and subsequently submit the specified application documents for exemption along with other required documents for admission.

In this case, do not pay the entrance examination fee at the time of application.

6 Application Documents

- (1) Application form for exemption from the entrance examination fee (Download the form from the following website)
<https://www.hiroshima-u.ac.jp/nyushi/news/1058>
- (2) Disaster victim certificate (a copy is acceptable) (For the applicant who falls under the condition of the item (1) of the "4 The Applicant Eligible for Exemption" above)
- (3) Document that proves the death or missing status of the family’s chief provider (a copy is acceptable) (For the applicant who falls under the condition of the item (2) of the "4 The Applicant Eligible for Exemption" above)

7 Application Process (Internet Application)

Refer to the PDF file available in the following website.

https://www.hiroshima-u.ac.jp/system/files/130094/menjo_r2.pdf

8 Contact

Refer to the respective Support Office listed in the section “I Programs and Number of Students to be Admitted” (page 5).