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

Basic Chemistry Program

Applied Chemistry Program

Chemical Engineering Program

Electrical, Systems, and Control Engineering Program

Transportation and Environmental Systems Program

Civil and Environmental Engineering Program

Informatics and Data Science Program

Smart Innovation Program

(Applied Chemistry)

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 2021



Contents

Admission Policy 1. Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Master's Course) 2. Admission Policy of each Program	4
Programs and Number of Students to be Admitted · · · · · · · · · · · · · · · · · · ·	8
Outline of Entrance Examination · · · · · · · · · · · · · · · · · · ·	
1. Schedule of the Entrance Examination	
2. Application Eligibility · · · · · · · · · · · · · · · · · · ·	
3. Application Documents and Selection Process ·····	10
4. Application Procedure · · · · · · · · · · · · · · · · · · ·	
5. Result Announcement ·····	·· 11
Application Eligibility · · · · · · · · · · · · · · · · · · ·	
1. Application Eligibility · · · · · · · · · · · · · · · · · · ·	
2. Preliminary Evaluation	12
Application Documents and Selection Process ·····	15
Science Programs	·· 1 <i>ϵ</i>
(Mathematics / Physics / Earth and Planetary Systems Science / Basic Chemistry) 1. Application Documents	1.4
2. Selection Process	
2. Selection Frocess	10
Engineering Programs & Informatics and Data Science Program	1.0
	19
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering))	
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	19
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering))	19
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	·· 19 ·· 20
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	·· 19 ·· 20 ·· 24
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students	·· 19 ·· 20 ·· 24 ·· 24
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	·· 19 ·· 20 ·· 24 ·· 24 ·· 24
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	·· 19 ·· 20 ·· 24 ·· 24 ·· 24 ·· 25
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students 2. Application Documents 3. Selection Process Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	19 20 24 24 25
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	19 20 24 24 25 27 27
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students 2. Application Documents 3. Selection Process Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) 1. Application Documents 2. Selection Process	·· 19 ·· 20 ·· 24 ·· 24 ·· 25 ·· 27 ·· 27
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students 2. Application Documents 3. Selection Process Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) 1. Application Documents 2. Selection Process	··· 19 ··· 20 ··· 24 ··· 24 ··· 25 ··· 27 ··· 28 ··· 30
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students 2. Application Documents 3. Selection Process Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) 1. Application Documents 2. Selection Process	19 20 24 24 25 27 28 30 30
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	19 20 24 24 25 27 28 30 30 32
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	19 20 24 24 25 27 28 30 30 32
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents 2. Selection Process Quantum Matter Program 1. The Supervisors who will Accept Students 2. Application Documents 3. Selection Process Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) 1. Application Documents 2. Selection Process Transdisciplinary Science and Engineering Program (Development Science) 1. Application Documents 2. Selection Process Application Procedure 1. Application Method	··· 19 ··· 20 ··· 24 ··· 24 ··· 25 ··· 27 ··· 28 ··· 30 ··· 30 ··· 32 ··· 33 ··· 33
(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Transportation and Environmental Systems Program / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation (Applied Chemistry) / Smart Innovation (Electrical, Systems, and Control Engineering)) 1. Application Documents	··· 19 ··· 20 ··· 24 ··· 24 ··· 25 ··· 27 ··· 28 ··· 30 ··· 30 ··· 33 ··· 33 ··· 33

 Consultation with the Applicant who Needs Special Consideration for the and/or Education in the Graduate School	
3. Handling of Personal Information ·····	30
4. Admission Procedure · · · · · · · · · · · · · · · · · · ·	3′
5. Application for Disclosure of Examination Results	37
6. Others ·····	37

Admission Policy

1. Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Master's 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:

An ambition for the promotion of advanced and high-level academic and inter-disciplinary research;

The will to be engaged in professional occupations such as researchers and engineers in areas related to natural science, engineering, and information science;

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

Common sense and ethics required for a member of society.

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:

A strong questing mind for the mathematical truth and an ambition to make a progress in specialized and/or inter-disciplinary research of mathematics;

The will to be engaged in professional occupations such as researchers, educators, and engineers in mathematics areas;

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; and

Common sense and ethics required for a member of society.

[Physics Program]

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

The will to obtain state-of-the-art knowledge in areas of physics based on the point of view of researchers on a top international level;

The will to obtain fundamental knowledge in contemporary physics to be engaged in researching jobs, educational jobs, and/or advanced engineering jobs related to areas of physics;

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 physics as well as a wide range of intelligence; and

Common sense and ethics required for a member of society.

[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:

An ambition for acquiring advanced expertise and research techniques related to the earth and planetary systems science;

The will to be engaged in professional occupations such as researchers, educators, and engineers in areas of the earth and planetary systems science;

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

Common sense and ethics required for a member of society.

[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:

An ambition for the promotion of advanced and high-level academic and inter-disciplinary research; Interest in a new academic area in addition to both of the nature-oriented and human-oriented thoughts;

A zeal foC /Spa

II 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 2022 admission to the Master's Course as indicated below.

April 2022 Admission (B Term)

Division	Program	Capacity	Admission capacity	Venue for examination	Contact Submission address for application documents
Division of Advanced Science and Engineering	Physic Program Earth and Planetary Systems Science Program Basic Chemistry Program Applied Chemistry Program Chemical Engineering Program Electrical, Systems, and Control Engineering Program Transportation and Environmental Systems Program Civil and Environmental Engineering Program Informatics and Data Science Program Smart Innovation Program (Applied Chemistry) 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 (Environmental Systems) Transdisciplinary Science and Engineering Program (Environmental Systems) Transdisciplinary Science and Engineering Program (Environmental Systems)	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 Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518 Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009 Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6316 Support Office for the fields of International Development and Cooperation 739-8529 1-5-1 Kagamiyama, Higashi-Hiroshima Higashi-Hiroshima

Caution

The selection for April 2022 admission will be suspended for Mechanical Engineering Program and Architecture Program.

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

III Outline of Entrance Examination

1. Schedule of the Entrance Examination

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

Chemistry Program / Quantum Matter Program

Application period	Date of the entrance examination	Examination	Examination result
Application period	Date of the entrance examination	subject	announcement
Tuesday, January 4, 2022 – Tuesday, January 11, 2022	9:00 -, Friday, January 28, 2022	Written examination Oral examination	Planned to be 12:00 -, Wednesday, February 16, 2022
	(Preliminary day: Saturday, Janua	ary 29, 2022)	,

(2) Applied Chemistry Program / Chemical Engineering Program / Electrical, Systems, and Control Engineering Program / Transportation and Environmental Systems Program / Civil and Environmental Engineering Program / Informatics and Data Science Program / Smart Innovation Program (Applied Chemistry) / Smart Innovation Program(Electrical, Systems, and Control Engineering) / Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) / Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)

Transdisciplinary Science and Engineering Program (Development Science)

Application period	Date of the entrance examination	Examination	Examination result
Application period		subject	announcement
	9:00 -, Thursday, January 27,	Written	
Tuesday Jamuam 4 2022	2022	examination	Planned to be 12:00 -,
Tuesday, January 4, 2022 – Tuesday, January 11, 2022	9:00 -, Friday, January 28,	Oral	Wednesday, February
	2022	examination	16, 2022
	(Preliminary day: Saturday, Janua	ry 29, 2022)	

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/en/adse). Please keep yourself updated.

2. Application Eligibility

Refer to the section " Application Eligibility" (page 12).

3. Application Documents and Selection Process

Refer to the page for each Program listed in the section " Application Documents and Selection Process" (page 15) and confirm the application 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 " Application Procedure" (page 33).
- (2) Deliver or mail your application documents specified by each Program to the respective Support Office listed in the section " Programs and Number of Students to be Admitted" (page 8).

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, Tuesday, January 11. The documents received after this time shall be accepted only when it is postmarked no later than Thursday, January 6.

5. Result Announcement

We will send the acceptance certificate and the admission guide to the successful applicants by mail. An announcement will also be made on the website of the Graduate School of Advanced Science and Engineering, Hiroshima University (https://www.hiroshima-u.ac.jp/en/adse). The announcement on the website is made as part of information provision and does NOT grant admission officially in any way. Only mailing of the acceptance certificate should be regarded as an official announcement of admission. Please also note that an announcement will not be made through posting on the bulletin board on campus.

We do not answer any inquiry via phone.

IV Application Eligibility

1. Application Eligibility

Those who meet or are expected to meet by March 31, 2022 either of the following criteria.

- (1) A person who graduated from a university or college.
- (2) A person who earned a bachelor's degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education according to the provision of Section 7 of Article 104 of School Education Act (Act No. 26 of 1947), or is expected to be conferred (Hereinafter referred to as "Expected graduate").
- (3) A person who completed a 16-year school education course in a country other than Japan.
- (4) A person who studied the class subjects provided by a foreign school as a correspondence course in Japan and, as a result, completed the 16-year school education course in the concerned foreign country.
- (5) A person who completed an education course in Japan provided by a foreign education institute which is established as an undergraduate course (limited to that for which the person who completed the course is regarded as having completed the 16-year school education course in the concerned foreign country) within the school education system in the concerned foreign country and has been separately specified by the Minister of Education, Culture, Sports, Science and Technology (MEXT).
- (6) A person who earned a degree equivalent to a bachelor's degree after completing a course of which the term is 3 years or longer (including a person who studied the class subjects provided by a foreign school as a correspondence course in Japan and completed the concerned education course; and a person who completed the education course in Japan provided by a foreign education institute which is established within the school education system in the concerned foreign country and is specified in the item (5) above) in a university or the other school in a foreign country, which has been evaluated for the comprehensive conditions of the education and research activities by a person who is authorized by the government or the concerned institutions of the concerned foreign country, or has been separately specified as equivalent by MEXT.
- (7) A person who completed, after the date specified by MEXT, the specialized course of a specialized training college (limited to that meets the criteria specified by MEXT, such as its term is 4 years or longer) which is separately specified by MEXT.
- (8) A person who has been specified 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 wishes to transfer to the Graduate School after once entering other graduate school according to Section 2 of Article 102 of the Act and has been approved by the Graduate School as having academic abilities required for the education in the Graduate School.
- (10) A person who has been approved by the Graduate School as having academic abilities equivalent or superior to those of bachelor degree holders according to the result of the examination that was separately conducted, and is 22 years or older.
- (Caution) The applicant who falls under either of the criteria (9) or (10) above is subject to a preliminary evaluation of the application eligibility (refer to the "2. Preliminary Evaluation").

2. Preliminary Evaluation

(1) Preliminary Evaluation

The applicant who falls under either of the application eligibility (9) or (10) above must follow the procedures below and pass a preliminary evaluation of the application eligibility.

a) Application Period

Monday, December 6, 2021 - 17:00, Friday, December 10, 2021

(The application documents must be submitted in a registered mail with indication of the phrase "Application Form for Preliminary Evaluation is enclosed" in red on the front surface of the envelope.

b) Application Documents

The applicant who falls under the application eligibility (9) above

Download the specified forms (a, b and c) from the website of the Graduate School of

Advanced Science and Engineering.

	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. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
f or graduate school graduate school the applicant attended or is attending. The certificate must be the original or the certified photograduate school.		Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
g	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) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

The applicant who falls under the application eligibility(10) above

Download the specified forms (a, b, c and g) from the website of the Graduate School of

Advanced Science and Engineering.

710	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	Use A4 sized sheets; Any format is acceptable. Attach a list of research achievements, if any.
e	Academic transcript	Issued by the president of the university the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
f	Certificate of graduation	Issued by the president of the university the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted. The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Frospective Graduate Fruit ** ** Use ** ** Obtain the document for which the Web authentication will be valid as of Friday, December 24, 2021 via the authentication system of the Ministry Education of China (历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp
g	Certificate of Past	*Only for the applicants who conducted research as a research

	Research	student or a researcher for over 1 year at a research institute (university or a joint use facility) either in Japan or a foreign country. Use the specified form to prepare.
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) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

- (2) The results of the preliminary evaluation will be notified to the applicants by Monday, December 27, 2021.
- (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 respective pageslisted in the section "Application Documents and Selection Process" (page 15).

V Application Documents and Selection Process

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

For the details, refer to the respective pages listed in the table below.

Program	Category	Page(s) to be referred
Mathematics Program		
Physics Program		
Earth and Planetary Systems Science Program	Science Programs	Pages 16 to 18
Basic Chemistry Program		
Applied Chemistry Program		
Chemical Engineering Program		
Electrical, Systems, and Control Engineering Program		Pages 19 to
Transportation and Environmental Systems Program	Engineering Programs &	
Civil and Environmental Engineering Program	Informatics and Data Science Program	
Informatics and Data Science Program		
Smart Innovation Program (Applied Chemistry)	-	
Smart Innovation Program (Electrical, Systems, and Control Engineering)		
Quantum Matter Program		Pages 24 to 26
Transdisciplinary Science and Engineering (Environmental and Natural Sciences)	g Program	Pages 27 to 29
Transdisciplinary Science and Engineering (Development Science)	g Program	Pages 30 to

Science Programs

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

1. 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 section " Programs and Number of Students to

be Admitted " (page 8).

No	Document name	Note	
1	Academic transcript	Issued by the president of the university or the dean of the faculty the applicantattended or is attending.	
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty the applicantattended or is attending. The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Prospective Graduate 历证书电 备 * 线验证报 * 毕业证书 证书 * Obtain the document for which the Web authentication will be valid as of Tuesday, January 25, 2022 via the authentication system of the Ministry Education of China (历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp	
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 application eligibility(2). 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	Only for the applicant for Earth and Planetary Systems Science Program and Basic Chemistry Program. 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.	
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) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

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

2. Selection Process

(1) Basic Policy

Mathematics 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 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.

Basic Chemistry 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

The results of the written examination, foreign-language proficiency, 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)

Basic Chemistry Program

The results of the written examination, foreign-language proficiency, 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. 100 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		Oral examination	
Mathematics	Friday,	Specialized subject 9 00 - 12 00	15:00 -, Friday,
Program	January 28	Foreign-language proficiency 13 30 - 14 30	January 28

(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 "(4) 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 when sending the examination card and on the examination day.

Program name	Written examination and oral examination
Physics Program	
Earth and Planetary Systems Science	0.00 Thursday January 29
Program	9:00-, Thursday, January 28
Basic Chemistry Program	

- (Caution 1) The details of the written examination in specialized subject and the oral examination will be notified when sending the examination card and 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 "(4) 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
Basic Chemistry Program	Basic questions concerning chemistry

Engineering Programs & Informatics and Data Science **Program**

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

1. 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 " Programs and Number of Students to be Admitted" (page 8). Download the specified forms (4, 7, 8 and 10) from the website of the Graduate School of Advanced Science and Engineering

Sc	hool of Advanced Science ar	nd Engineering.
No	Document name	Note
1	Academic transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending The applicant who 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. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty the applicantattended or is attending. If the certificate does not indicate that you were conferred a bachelor's degree, submit another document that proves it. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted. The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Frospective Graduate Fruith Whith Web authentication will be valid as of Tuesday, January 25, 2022 via the authentication system of the Ministry Education of China (http://www.chsi.com.cn/xlcx/bgys.jsp

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 application eligibility (2) Expected graduate: Certificate of expected application for the

		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 English-language proficiency (copy)	Submit a copy of the document No. 5 "Score certificate of English-language 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	Registration of Selected Subject for Applicants of Smart Innovation Program	Only for the applicant for Smart Innovation Program Use the specified form to prepare.
9	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.
10	Personal History	Only for the applicant who has graduated from a foreign university. Use the specified form to prepare.
11	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) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

(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.

2. 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, Chemical Engineering Program, Electrical, Systems, and Control Engineering Program, Transportation and Environmental Systems Program, Civil and Environmental Engineering Program, Smart Innovation Program (Applied Chemistry), 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	Thursday, January 27	Specialized	9	00 -	- 12	00	
Program	Thursday, January 27	Specialized	13	30 -	. 15	00	
Chemical Engineering	Thursday, January 27	Specialized	9	00 -	- 12	00	
Program	Thursday, January 27	Specialized	13	30 -	- 15	00	
Electrical, Systems, and		Specialized	9	00	12	00	
Control Engineering Program	Thursday, January 27	Specialized	13	30	14	30	
Transportation and	TI 1 1 27	Specialized	9	00 -	- 12	00	
Environmental Systems Program	Thursday, January 27	Specialized	13	30 -	. 15	00	9:00-, Friday,
Civil and Environmental	and Environmental		9	00	11	30	January 28
Engineering Program	Thursday, January 27	Specialized	13	30	15	30	
Informatics and Data	Thursday January 27	Specialized	9	00	11	00	
Science Program	¹ Thursday, January 27	Specialized	13	30	15	30	

		Oral	Your motivation, aptitude for the desired subject of study,
		examination	and understanding in the desired specialized field will be
		(Interview)	evaluated.
Chemical		Written examination (Specialized subjec)	Select and answer three questions from the following six subjects: 1. Mass and Heat Balance, 2. Fluids Engineering, 3. Mass Transfer, 4. Heat Transfer, 5. Physical Chemistry, 6. Chemical Reaction Engineering. Some subjects may not be included in the test.
Engineering Program	Chemical Engineering	Written examination (Specialized	Essay is given to evaluate your knowledge and problem-solving skills in the area of on Chemical Engineering.
		Oral examination (Interview)	Your motivation, aptitude for the desired subject of study, and understanding in the desired specialized field will be evaluated.
Electrical,	Florid	Written examination (Specialized	Select and answer three questions from the following subjects: 1. Linear Algebra, 2. Calculus, 3. Electric Circuit Theory, 4. Linear Programming.
Systems, and Control Engineering Program	Electrical, Systems, and Control Engineering	Written examination (Specialized	Essay is given to evaluate your knowledge and problem-solving skills in the area of Electrical, Systems, and Control Engineering.
		Oral examination (Interview)	Requested to present your past research and a future research plan, and answer questions in the style of interview
Transportation	Vehicle and	Written examination (Specialized) Written	Mathematics (Linear Algebra, Calculus, Differential Equation, Vector Analysis) Dynamics (Particle and Mass System Dynamics, Rigid-Body Dynamics, Material Mechanics)
and Environmental Systems Program	Environmental System Engineering	examination (Specialized	Essay is given to evaluate your knowledge and problem-solving skills in the area of Transportation and Environmental Systems
Trogram		Oral examination (Interview)	Your motivation, aptitude for the desired subject of study, and understanding in the desired specialized field will be evaluated.
			Select and answer one of the following six subjects (You must select and register the subject at the time of application) Structural Engineering (Strength of Material, Structural
Civil and Environmental Engineering Program	Environmental exa Engineering (Sp	Written examination (Specialized subject)	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)

Written examination (Specialized 23

Quantum Matter Program

1. 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, NOHARA Minoru, MATSUMURA Takeshi, ISHII Isao, UMEO Kazunori, TAKAHASHI Tohru, TADA Yasuhiro, TANAKA Arata, HIGUCHI Katsuhiko, MIYAOKA Hiroki, YAGI Ryuta, IINUMA Masataka, SHIMURA Yasuyuki, HIGA Nonoka, LIPTAK Zachary John

IWASAKA Masakazu, KADOYA Yutaka, KAMEDA Suguru, KUROKI Shin-Ichiro, TERAMOTO Akinobu, FUJISHIMA Minoru, Holger F. HOFMANN, AMAKAWA Shuhei, KOIDE Tetsushi, SASAKI Mamoru, SUZUKI Hitoshi, NAKAJIMA Anri, NISHIDA Munehiro, HANAFUSA Hiroaki, MIYAKE Masataka, YOSHIDA Takeshi, SAKAUE Hiroyuki

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 8). 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 the applicantattended or is attending.		
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty the applicant attended or is attending If you are a graduate, make sure that the certificate includes information about your degree. The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Frospective Graduate Fru 证书 * Obtain the document for which the Web authentication will be valid as of Tuesday, January 25, 2022 via the authentication system of the Ministry Education of China (「历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp		
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 application eligibility(2). Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. Pachelor's degree holder: Certificate of a bachelor's degree issued.		
4	Certificate of English language proficiency	Submit the original score certificate of either of the following examinations. Refer to Caution 3 below for details.		

^{*} The applicant must contact in advance the Support Office for the fields of Science (AdSM) (page 8) 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).)

		TOEIC® Public Test
		TOEIC®-IP
		TOEFL®-PBT
		TOEFL®-iBT
		TOEFL®- ITP
		IELTS®
		Cambridge English Qualifications
5	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.
6	Return envelope	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).
7	Registration of selected subject for Applicants of Quantum Matter Program	Use the specified form to prepare.

(Caution 1) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

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

(Caution 3)

Quantum Matter Program will use the scores of either of the certificates listed above in place of a written foreign language (English) examination.

The applicant is required to submit, along with other required documents, the original score certificate of either of these examinations. The score certificate is not allowed to be replaced once it has been submitted. The submitted score certificate will be returned to the applicant after confirmation.

The applicant who is unable to submit the original score certificate during application period must submit, along with other required documents, a document (no specified form) stating that they will submit their score certificate of English language proficiency later. Subsequently the applicant must submit the score certificate by 13:00, Friday, January 28, 2022 to the Student Support Office, Graduate School of Science (1st floor of the Advanced Sciences of Matter).

The applicant who wishes to send their score certificate of TOEIC®-IP collectively conducted for all Hiroshima University undergraduate students and does not have their score certificate at hand must contact the Student Support Office, Graduate School of Science (AdSM).

The applicant who does not submit their score certificate of English language proficiency will receive 0 (zero) points for a written foreign language (English) test.

3. Selection Process

(1) Basic Policy

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

(2) Evaluation Criteria

Written Examination Basic subject (max. 100 points)

Oral Examination Specialized subject (max. 400 points);

Common examination (Three-level evaluation (A, B, C) is performed.)

English Max. 100 points (converted from the score certificate of English language proficiency) Submitted documents Three-level evaluation (A, B, C) is performed.

(3) Examination Schedule

Friday, Januar	y 28			
Written examination	9	00 - 10	30	
Oral Examination	11	00 -		

(Caution) The details of the oral examination will be notified when sending the examination card and on the examination day.

(4) Contents of Written Examination and Oral examination

	Category	Examination Subjects
	Written	Basic subject
	examination	Mathematics
		Specialized subject (oral assessment)
		Classical Mechanics
Physics		Electromagnetism
Filysics	Oral examination	Quantum Mechanics
	Oral examination	Statistical Thermodynamics
		Common examination
		Motivation, aptitude for the desired subject of study and basic
		academic abilities will be evaluated.
	Written	Basic subject
	examination	Mathematics
		Specialized subject (oral assessment)
		Electromagnetism
Electronic		Electronic Circuits
Engineering	Oral examination	Semiconductor Engineering
	Orai examination	Quantum Mechanics
		Common examination
		Motivation, aptitude for the desired subject of study and basic academic abilities will be evaluated.

Physics Field or Electronic Engineering Field in the form of

[&]quot;Registration of selected subject for Applicants of Quantum Matter Program".

Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)

1. 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 8). 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 applicantattended or is attending. 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	Issued by the president of the university or the dean of the faculty the applicantattended or is attending. 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 graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Prospective Graduate 历证书电 备 * 线验证报 * 毕业证书 证书 * Obtain the document for which the Web authentication will be valid as of Tuesday, January 25, 2022 via the authentication system of the Ministry Education of China (历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp
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 theapplication eligibility (2) 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	Submit a copy of your graduation thesis. 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. 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. For the applicant who is unbale to submit either of the above documents, refer to the document No. 6.
6	Research plan	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 from. The applicant who is unable to submit the document No. 5 must indicate its reason.
7	Common Issue	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).

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.

The original score certificate of either of the following examinations which was held after April 1, 2018 will be accepted.

Score certificate of English language ability examination or Japanese-Language Proficiency Test

8

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 27, 9:00 – 11:00	Friday, January 28, 9:00 (approximately 30 minutes for each examinee)

(Caution) The details of the oral examination will be notified when sending the examination card and on the examination day.

Transdisciplinary Science and Engineering Program (Development Science)

1. Application Documents

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 "

Students to be Admitted" (page 8). Download the specified forms (1, 2, 6, 7 and 8) 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	Registration of selected subject for Applicants of Transdisciplinary Science and Engineering Program (Development Science)	Use the specified form to prepare.	
3	Academic transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending. 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. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted. If the certificate does not indicate evaluation criteria of grading, submit another document issued by the university that includes the evaluation criteria.	
4	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty the applicant attended or is attending. The applicant who is currently enrolled in or graduated from a graduate school must submit the certificate for both the undergraduate university and the graduate school. 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 graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents: Graduate Prospective Graduate 历证书电 备 * 线验证报 * 毕业证书 证书 * Obtain the document for which the Web authentication will be valid as of Tuesday, January 25, 2022 via the authentication system of the Ministry Education of China (
5	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 application eligibility (2) • 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.	
6	Research plan	Use the specified form to prepare.	
7	Reasons for Application	Use the specified form to prepare.	

Use the specified form to prepare. The applicant who is enrolled in other

The applicant who is currently enrolled in a graduate school

Letter of approval for taking the entrance examination

2. 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 levelindicated below. And also, the Oral Examination includes the evaluation of the **Application**

Documents.

A	Excellent (Most Appropriate for Enrollment)	
В	Good (Appropriate for Enrollment)	
С	C Poor (Inappropriate for Enrollment)	

General Judgement

Those who have passed both the Written Examination and Oral Examination will be successful applicants.

(3) Written Examination and Oral Examination Schedule

Written Examination	Oral Examination	
Thursday, January 27, 9:00 – 11:00	Friday, January 28, 9:00 -	

(Caution) The details of the Oral Examination will be notified when sending the examination card and on the examination day.

(4) Subjects of Written Examination

Select one subject from both Basic subject and Specialized subject respectively at the time of

Subject	Scope and Subject Name	
Basic subject	Questions concerning basic fields of Engineering, Science and Agriculture Transdisciplinary Science and Engineering (Development Science)	
Specialized subject	Urban Mobility Science	

VI Application Procedure

Step 3: Input your account information (Exemption category only).

The applicant who applies for exemption from the entrance examination fee must consult in advance with the respective Support Office listed in the section " Programs and Number of Students to be Admitted"

postmarked no later than Thursday, 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.

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 faculties of the Graduate School of Advanced Science and Engineering, refer to the following website.

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

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.

Entrance examination

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 " Programs and Number of Students to be Admitted" (page 8) to arrange a consultation.

- A. Period for the consultation: Monday, December 6 Friday, December 10, 2021
- B. Information to be described in the application

Name & address of the applicant (the phone number must be included.)

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.

Type and severity of the disability (submit a medical certificate issued by a doctor if the applicant is in treatment)

Measures to be taken for the entrance examination.

Measures to be taken for education in the Graduate School

Specific measures that were taken in the university from which the applicant has graduated 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

BotoFru(tioh) Sper3y(com) () 5365; 800 yenu0.8 () r005 ((ne) 0.8 (d 0.8 () 11.3.3 he) 0.85 (i) 42.6 (n) 0.8 (d) 0.8 (nnl) 3.4 (8 -1.136)

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 2021 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 "Programs and Number of Students to be Admitted" (page 8).

1 Examinations to which the Special Measure is Applied

The entrance examinations held in the 2021 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 Heavy Rain Event of July 2018
- (2) 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_tekiyou.html

5 Application

The applicant must contact in advance the respective Support Office listed in the section "Programs and Number of Students to be Admitted" (page 8), 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/en/nyugaku

- (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/131856/Online application procedures for-Application Fees Exemption.pdf

8 Contact

Refer to the respective Support Office listed in the section "Programs and Number of Students to be Admitted" (page 8).