

October 2021 and April 2022 admission (A Term)

Graduate School of Advanced Science and Engineering

(Master's Course)

Division of Advanced Science and Engineering

General Selection Application Guidebook

May 2021



HIROSHIMA UNIVERSITY

Contents

I	Admission Policy	3
	1. Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Master's Course)	3
	2. Admission Policy of each Program	3
II	Programs and Number of Students to be Admitted	7
III	Outline of Entrance Examination	10
	1. Schedule of the Entrance Examination	10
	2. Application Eligibility	10
	3. Application Documents and Selection Process	10
	4. Application Procedure	10
	5. Result Announcement	11
IV	Application Eligibility	12
	1. Application Eligibility	12
	2. Preliminary Evaluation	12
V	Application Documents and Selection Process	15
	Science Program	16
	(Mathematics/Physics/Earth and Planetary Systems Science/Basic Chemistry)	
	1. Application Documents	16
	2. Selection Process	17
	Engineering Programs & Informatics and Data Science Program	19
	(Applied Chemistry / Chemical Engineering / Electrical, Systems, and Control Engineering / Mechanical Engineering / Transportation and Environmental Systems / Architecture / Civil and Environmental Engineering / Informatics and Data Science / Smart Innovation)	
	1. Application Documents	19
	2. Selection Process	20
	Quantum Matter Program	25
	1. Application Documents	25
	2. Selection Process	26
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	28
	1. Application Documents	28
	2. Selection Process	29
	Transdisciplinary Science and Engineering Program (Development Science)	30
	1. Application Documents	30
	2. Selection Process	31
VI	Application Procedure	33
	1. Application Method	33
	2. Application Period	33
	3. Application via Internet	33
VII	Miscellaneous	35
	1. Instruction for Application	35
	2. Consultation with the Applicant Who Needs Special Consideration for the Entrance Examination and/or Education in the Graduate School	35
	3. Handling of Personal Information	35
	4. Admission Procedure	35
	5. Application for Publication of Examination Results	36
	6. Others	36
○	Special Measure of Exemption from the Entrance Examination Fee for the Applicant	37

I 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:

- 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.

2. Admission Policy of each Program

[Mathematics Program]

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

- ① A strong questing mind for the mathematical truth and an ambition to make a progress in specialized and/or inter-disciplinary research of mathematics;
- ② The will to be engaged in professional occupations such as researchers, educators, and engineers in mathematics areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to mathematics as well as a wide range of intelligence; and
- ④ 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:

- ① 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;
- ② 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;
- 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 physics as well as a wide range of intelligence; and
- ④ 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:

- ① An ambition for acquiring advanced expertise and research techniques related to the earth and planetary systems science;
- ② The will to be engaged in professional occupations such as researchers, educators, and engineers in areas of the earth and planetary systems 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 mathematics as well as a wide range of intelligence, in addition to a strong curiosity about not only the earth and planetary systems science but also for the other areas; and
- ④ Common sense and ethics required for a member of society.

[Basic Chemistry Program]

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

- ① Basic knowledge and ability of comprehension, examination, and presentation regarding the basic chemistry and an ambition for taking part in the academic and/or inter-disciplinary research;
- ② The will to be engaged in professional occupations such as researchers and engineers in basic chemistry areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to basic chemistry as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

[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.

[Chemical Engineering Program]

The Chemical Engineering Program requires the student who enters this program to have not only ambitions and characteristics described below but also the basic academic skills necessary to achieve it:

- ① Ambition for academic research and cross-disciplinary activities;
- ② Will for being engaged in the profession that requires expertise such as a researcher and engineer in chemical engineering areas;
- ③ Zeal for establishing the "science that enables sustainable development" from diversified points of view and solving problems in the local community and the international society, in addition to knowledge and study skills for the academic areas related to the chemical engineering as well as wide range of intelligence; and
- ④ Common sense and ethics required for an adult.

[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.

[Mechanical Engineering Program]

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

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

[Transportation and Environmental Systems Program]

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

- ① An ambition for academic research and inter-disciplinary activities;
- ② The will to be engaged in professional occupations such as researchers and engineers in areas of the transportation system engineering or the environmental system engineering;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to the transportation system engineering and the environmental system engineering as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

[Architecture Program]

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

- ① An ambition for academic research and inter-disciplinary activities;
- ② The will to be engaged in professional occupations such as researchers and engineers in architecture areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to architecture 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; and
- ④ Common sense and ethics required for a member of society.

[Informatics and Data Science Program]

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

- ① An ambition for academic research and inter-disciplinary activities;
- ② The will to work as a high-level engineer or researcher in areas of the informatics and data science;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to the informatics and data science as well as a wide range of intelligence; and
- ④ Common sense 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.

[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.

[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.

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 to the Master's Courses for October 2021 admission and April 2022 admission as indicated below.

【October 2021 admission】

Division	Program	Capacity	Admission capacity	Venue for examination	Contact Submission address for application documents	
Division of Advanced Science and Engineering	Physics Program	449	Several students	School of Engineering Hiroshima University	Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468	
	Earth and Planetary Systems Science Program				Support Office for the fields of Engineering 〒739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518	
	Applied Chemistry Program					
	Chemical Engineering Program					
	Electrical, Systems, and Control Engineering Program					
	Mechanical Engineering Program					
	Transportation and Environmental Systems Program					
	Architecture Program					
	Civil and Environmental Engineering Program					
	Informatics and Data Science Program					
	Smart Innovatio Program (Applied Chemistry)					
	Smart Innovatio Program (Electrical, Systems, and Control Engineering)					
	Quantum Matter Program					Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)					Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6318
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 October 2021 admission will be suspended for Mathematics Program and Basic Chemistry Program.

- Consult with the faculty who is expected to be your academic advisor about your research theme before applying.
For the information regarding faculty of the Graduate School of Advanced Science and Engineering (hereinafter referred to as “the Graduate School”), refer to the following website.

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



【April 2022 admission (A Term)】

Division	Program	Capacity	Admission Capacity	Examination Location	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	449	279	School of Engineering Hiroshima University	Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468
	Physics Program				
	Earth and Planetary Systems Science Program				
	Basic Chemistry Program				
	Applied Chemistry Program				Support Office for the fields of Engineering 〒739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518
	Chemical Engineering Program				
	Electrical, Systems, and Control Engineering Program				
	Mechanical Engineering Program				
	Transportation and Environmental Systems Program				
	Architecture Program				
	Civil and Environmental Engineering Program				
	Informatics and Data Science Program				
	Smart Innovation Program (Applied Chemistry)				Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Smart Innovation Program (Electrical, Systems, and Control Engineering)				
	Quantum Matter Program				Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6317, 6316
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)				
Transdisciplinary Science and Engineering Program (Development Sciences)	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 2022 admission will be held for all the Programs.
- Consult with the faculty who is expected to be your academic advisor about your research theme before applying.
For the information regarding faculty of the Graduate School of Advanced Science and Engineering (hereinafter referred to as “the Graduate School”), refer to the following website.

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



III Outline of Entrance Examination

1. Schedule of the Entrance Examination

(1) Mathematics Program

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Friday, July 16, 2021 – Monday, July 26, 2021	Thursday, August 26, 2021, 9:00- Friday, August 27, 2021, 9:00-	Written examination	Friday, September 3, 2021 12:00 (tentative schedule)
	Friday, August 27, 2021, 13:30-	Oral examination	
	(Preliminary date: Saturday, August 28, 2021)		

(2) Other Programs (Physics Program / Earth and Planetary Systems Science Program / Basic Chemistry Program / Applied Chemistry Program / Chemical Engineering 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
Friday, July 16, 2021 – Monday, July 26, 2021	Thursday, August 26, 2021, 9:00-	Written examination	Friday, September 3, 2021 12:00 (tentative schedule)
	Friday, August 27, 2021, 9:00-	Oral examination	
	(Preliminary date: Saturday, August 28, 2021)		

(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 (<https://www.hiroshima-u.ac.jp/adse>).

2. Application Eligibility

Refer to the section "IV Application Eligibility" (pages 12~14).

3. Application Documents and Selection Process

Refer to the respective pages listed in the section "V Application Documents and Selection Process" (page 15) to see the application documents and selection process (examination subject, basic policy, and evaluation criteria) for each Program.

4. Application Procedure

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

Refer to the procedures described in the section "VI Application Procedure" (page 33).

(2) Deliver in person or mail your application documents specified by each Program to respective Support Offices listed in the section "II Programs and Number of Students to be Admitted" (pages 7~9) during the application period.

In the case of submission via delivery in person, the documents will be accepted in respective Support Offices from 8:30 to 17:00 during the application period.

In the case of submission via mail, the documents must be sent in a registered mail and reach us no later than 17:00, Monday, July 26. The documents received after this time shall be accepted only when they are postmarked no later than Friday, July 23.

5. Result Announcement

The acceptance certificate and the admission guide will be sent to the successful applicants by mail.

An announcement will also be made on the website of the Graduate School (<https://www.hiroshima-u.ac.jp/adse>). Please note, however, that 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 we will not announce the results 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 the date of enrollment 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) (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 1) The Applicant who is expected to meet either of the criteria (1) to (8) above must obtain the concerned application eligibility by September 30, 2021 for October 2021 admission, and by March 31, 2022 for April 2022 admission.

(Caution 2) 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 "2. Preliminary Evaluation").

2. Preliminary Evaluation

(1) Preliminary Examination

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, June 28, 2021 - Friday, July 2, 2021 no later than 17:00

(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.

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 or the dean of the faculty the applicant attended or is attending.				
f	Certificate of enrollment or graduation from a graduate school	<p>Issued by the president of the university or the dean of the graduate school the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Monday, July 19, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective Graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
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.

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.				
f	Certificate of graduation	<p>Issued by the president of the university the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Monday, July 19, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective Graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
g	Certificate of Past Research	*Only for the applicants who conducted research as a 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 1) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.

(Caution 2) The results of the preliminary evaluation will be notified to the applicants by Tuesday, July 13, 2021.

(Caution 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 pages listed in the section "V Application Documents and Selection Process" (page 15).

V Application Documents and Selection Process

Note that 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	Science Programs	Pages 16 to 18
Physics Program		
Earth and Planetary Systems Science Program		
Basic Chemistry Program		
Applied Chemistry Program	Engineering Programs & Informatics and Data Science Program	Pages 19 to 24
Chemical Engineering Program		
Electrical, Systems, and Control Engineering Program		
Mechanical Engineering Program		
Transportation and Environmental Systems Program		
Architecture Program		
Civil and Environmental Engineering Program		
Informatics and Data Science Program		
Smart Innovation Program		
Quantum Matter Program		
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)		Pages 28 to 29
Transdisciplinary Science and Engineering Program (Development Science)		Pages 30 to 32

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 relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 7~9).

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.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Tuesday, August 10, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士 (硕士) 学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	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 application eligibility of (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. 				
4	Score certificate of English language proficiency	<p>Only for the applicant for Physics Program, Earth and Planetary Systems Science Program or Basic Chemistry Program.</p> <p>Submit the original score certificate from any of TOEIC® public test, TOEIC®-IP (including College TOEIC®), TOEFL®-CBT, TOEFL®-PBT, or TOEFL®-iBT. If you want your sheet to be returned, please inform us at the time of application. Refer to Caution 3 below for the details.</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) 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 the application eligibility need not submit the document No. 1 and 2 above.

(Caution 3) Regarding score certificate of English language proficiency

Physics Program, Earth and Planetary Systems Science Program and Basic Chemistry Program will use TOEIC® or TOEFL® scores in place of a written foreign language (English) examination.

The original score certificate of TOEIC® public test, TOEIC®-IP (including College TOEIC®), TOEFL®-CBT, TOEFL®-PBT, or TOEFL®-iBT will be accepted. The applicant is required to submit, along with other required documents, the original score certificate of either of these examinations who has taken more than one examination must choose one to submit. If you cannot submit the score certificate please contact the Support Office for the fields of Science.

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 Support Office for the fields of Science.

The applicant who does not submit their score certificate may take the rest of a written foreign language (English) examination (if applicable) but will receive 0 (zero) points for the corresponding portion of the examination.

2. Selection Process

(1) Basic Policy

○Mathematics Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the Bachelor's course, and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, academic aptitude examinations (written examination on the specialized subject, an oral examination, Foreign language proficiency exam) are given to the applicant to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities. The result of the written examination and foreign language proficiency examination are evaluated by point-based scores. The result of the oral examination is evaluated by grade-based scores.

○Physics Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the Bachelor's course and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, academic aptitude examinations (written examination on the specialized subject and an oral examination) are given to the applicant to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities.

Admission to the course is determined based on a comprehensive evaluation of the results of the examinations, the foreign language proficiency and the academic transcript of the applicant.

○Earth and Planetary Systems Science Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the Bachelor's course and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, the academic transcript of the applicant, the results of written examination on the specialized subject and an oral examination, and English language proficiency are comprehensively evaluated. The result of the written examination and foreign language proficiency (base on the score certificate of TOEIC® or TOEFL®) are evaluated by point-based scores. The result of the oral examination and the academic transcript are evaluated by grade-based scores.

○Basic Chemistry Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the Bachelor's course and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, the academic transcript of the applicant, the results of written examination on the specialized subject and an oral examination, and English language proficiency are comprehensively evaluated. The result of the written examination and foreign language proficiency (base on the score certificate of TOEIC® or TOEFL®) are evaluated by point-based scores. The result of the oral examination and the academic transcript are evaluated by grade-based scores.

(2) Evaluation Criteria

○Mathematics Program

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

【Oral examination】 Scale of 1 to 4

【Academic transcript】 Scale of 1 to 3

○Physics Program

【Written examination】 Specialized subject (max. 400 points)

【Foreign language】 TOEIC® or TOEFL® scores converted to max. 100 points

【Oral examination】 Scale of 1 to 4

【Academic transcript】 Scale of 1 to 3

○Earth and Planetary Systems Science Program

【Written examination】 Specialized subject (max. 400 points)

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

【Oral examination】 Scale of 1 to 4

【Academic transcript】 Scale of 1 to 3

○Basic Chemistry Program

【Written examination】 Specialized subject (max. 400 points)

【Foreign language】 TOEIC® or TOEFL® scores converted to max. 100 points

【Oral examination】 Scale of 1 to 4

【Academic transcript】 Scale of 1 to 3

(3) Written Examination and Oral Examination Schedule

Program Name	Written Examination		Oral Examination
Mathematics Program	Thursday, August 26	Specialized subject 9 : 00 - 12 : 00 13 : 30 - 16 : 30	Friday, August 27, 13:30 -
	Friday, August 27	Foreign language 9 : 00 - 11 : 00	
Physics Program	Thursday, August 26	Specialized subject 9 : 00 - 12 : 00	Friday, August 27, 9:00 -
Earth and Planetary Systems Science Program			
Basic Chemistry Program			

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

(Caution 2) For the contents of the written examination in specialized subject, refer to the table below. The use of dictionaries will not be allowed during the written examination in foreign language.

(Caution 3) Details of the oral examination will be notified when sending the examination card and on the examination day.

(Caution 4) The applicant for Mathematics Program is requested to consult with the relevant Support Office about the contents of the examination.

Program Name	Contents
Mathematics Program	Basic questions concerning mathematics
Physics Program	Four questions concerning Classical Mechanics, Electromagnetism, Quantum Mechanics, Statistical Thermodynamics
Earth and Planetary Systems Science Program	Six questions concerning earth and planetary systems science; four questions must be chosen and answered.
Basic Chemistry Program	Basic questions from respective branches of chemistry

Engineering Programs & Informatics and Data Science Program

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

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 “II Programs and Number of Students to be Admitted” (page 7~9).

Download the specified forms (4, 7, 8 and 10) from the website of the Graduate School.

No	Document name	Note				
1	Academic transcript	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>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 course and the advanced course.</p>				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <thead> <tr> <th style="width: 50%;">Graduate</th> <th style="width: 50%;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Tuesday, August 10, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	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 application eligibility (2).</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	List for the Oral Examination	Use the specified form to prepare.				
5	Score certificate of English-language proficiency	<p>Submit the original score certificate from any of the following examinations which was held in the period from May 2018 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.</p> <ul style="list-style-type: none"> · 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 Architecture Program or Smart Innovation Program	Only for the applicant for Architecture Program and Smart Innovation Program Use the specified form to prepare
8	Registration of Selected Subject for Applicants of Civil and Environmental Engineering Program and The List of Reviewed Papers Regarding Essay for Applicants of Civil and Environmental Engineering Program	Only for the applicant for Civil and Environmental Engineering Program Use the specified form to prepare. When preparing the list of reviewed papers, follow the instruction of the specified form.
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	Reference for Educational Background	Only for the applicant who 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 the 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), and the academic transcript will be comprehensively evaluated.

(2) Evaluation Criteria

【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) Schedule of Written Examination and Oral Examination

Program Name	Written Examination		Oral Examination
Applied Chemistry Program	Thursday, August 26	Specialized subject I	9 : 00 - 12 : 00
		Specialized subject II	13 : 30 - 15 : 00
Chemical Engineering Program	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30
Electrical, Systems, and Control Engineering Program	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30
Mechanical Engineering Program	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30
Transportation and Environmental Systems Program	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30
Architecture Program	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30
Civil and Environmental Engineering Program	Thursday, August 26	Specialized subject I	9 : 00~11 : 30
		Specialized subject II	13 : 30~15 : 00
Informatics and Data Science Program	Thursday, August 26	Specialized subject I	9 : 00~11 : 00
		Specialized subject II	13 : 30~15 : 30
Smart Innovation Program (Applied Chemistry)	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~15 : 00
Smart Innovation Program (Electrical, Systems, and Control Engineering)	Thursday, August 26	Specialized subject I	9 : 00~12 : 00
		Specialized subject II	13 : 30~16 : 30

Friday, August 27,
9:00-

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

(Caution 2) Details of the oral examination will be notified when sending the examination card and on the examination day.

(4) Contents of Written Examination

Program Name	Subject Name	Category	Contents
Applied Chemistry Program	Applied Chemistry	Specialized subject I	Basic Organic • Polymer Chemistry (Basic Organic and Polymerization Reactions, Acids and Bases, Structure (Resonance, Stereochemistry of Organic Compounds Including Polymers, Isomers), Basic Physical Chemistry (Equilibrium, Quantum), Basic Inorganic • Analytical Chemistry (Fundamental Problems in Inorganic and Analytical

			Chemistry)
		Specialized subject II	Select one of the following three subject groups: Advanced Organic • Polymer Chemistry (Catalytic Reactions, Multistep Synthesis, Precise Synthesis, Reaction Mechanism), Advanced Physical Chemistry (Kinetics, Molecular Structure), Advanced Inorganic • Analytical Chemistry (Specialized Problems in Inorganic and Analytical Chemistry)
Chemical Engineering Program	Chemical Engineering	Specialized subject I	Select and answer four problems from the following subjects: Mass and Heat Balance, Fluids Engineering, Heat Transfer, Chemical Engineering Thermodynamics, and Chemical Reaction Engineering.
		Specialized subject II	In addition to the explanation of Chemical Engineering terms, select and answer three problems from the following subjects: Powder Technology, Mass Transfer, Applied Mathematics/Process Control Engineering, and Environmental Chemical Engineering.
Electrical, Systems, and Control Engineering Program	Electrical, Systems, and Control Engineering	Specialized subject I	Answer three problems about linear algebra, infinitesimal calculus, and probability and statistics.
		Specialized subject II	Select and answer three questions that you select from problems about electric circuit theory, control engineering, electronics circuit, logic circuit, mathematical programming, ordinary differential equations.
Mechanical Engineering Program	Mechanical Engineering	Specialized subject I	<ul style="list-style-type: none"> • Mathematics (linear algebra, differentiation and integration, differential equations, vector calculus) • Mechanics of Materials (stress and strain, tension and compression, torsion, bending of beams, combined stress, stress analysis based on energy principles) • Mechanical Vibrations (vibration of single- and multi-degree-of-freedom systems, transient vibration, vibration isolation)
		Specialized subject II	Select three of the following four subjects. <ul style="list-style-type: none"> • Mechanical Materials (crystalline structure, equilibrium diagram, plasticity, diffusion, heat treatments, microstructures, mechanical properties of steels) • Thermodynamics (basic concepts and laws, ideal gas and real gas, cycle) • Fluid Mechanics (physical properties of fluids, fluid statics, momentum conservation, irrotational flow, viscous flow, boundary layer) • Control Engineering (classical control)
Transportation and Environmental Systems Program	Vehicle and Environmental Systems Engineering	Specialized subject I	<ul style="list-style-type: none"> • Mathematics (linear algebras, differential and integral calculus, differential equation and vector analysis) • Dynamics (particle and mass system dynamics, rigid-body dynamics)
		Specialized subject II	<ul style="list-style-type: none"> • Fluid Mechanics (fluid statics, Bernoulli's theorem, momentum theorem, potential flow) • Material and Structural Mechanics (cross sectional properties, sectional force, stress and strain, torsion, buckling, energy principles, statically determinate structure, statically indeterminate structure)
Architecture Program	Building Engineering	Specialized subject I	Fundamental problems in Building Engineering (including Building Materials), Architectural Planning (including Urban Planning and Architectural Project), Architectural Environments (including Building Services), and Architectural History and Design Theory.
		Specialized subject II	Specialized problems in Building Engineering (including Building Materials).

		Specialized subject I	Fundamental problems in Building Engineering (including Building Materials), Architectural Planning (including Urban Planning and Architectural Project), Architectural Environments (including Building Services), and Architectural History & Design Theory.
	Architecture	Specialized subject II	Specialized problems in Architectural Planning (including Urban Planning and Architectural Project), Architectural Environments (including Building Services), and Architectural History & Design Theory.
Civil and Environmental Engineering Program	Civil and Environmental Engineering	Specialized subject I	Select one of the following six subjects, which must be registered in the application: <ul style="list-style-type: none"> • Structural Engineering (strength of material, structural mechanics, and energy principles) • Concrete Engineering (materials for concrete, properties of fresh and hardened concrete, and concrete structure) • Geotechnical Engineering (soil mechanics, design of earth structures, and geotechnical disaster mitigation) • Sanitary and Environmental Engineering (water chemistry, water supply and sewerage systems, microbial ecology, and kinetics) • Hydraulics (conservation laws of momentum and energy, laminar and turbulent flows, and flows in open channels and conduits) • Infrastructure and Transportation Planning (city planning and transportation demand forecasting)
		Specialized subject II	Essay A: Examination on the applicant's knowledge and thinking capacity on Civil and Environmental Engineering Essay B: Review of previous studies regarding desired research topic ※A list of reviewed papers is required to be submitted at the examination. The list must conform to the format shown at the following URL. URL: https://www.hiroshima-u.ac.jp/system/files/145269/references.doc
Informatics and Data Science Program	Informatics and Data Science	Specialized subject I	Answer four problems about the following subjects: 1. Linear Algebra, 2. Advanced Calculus and Ordinary Differential Equations, 3. Probability theory, 4. Discrete Mathematics.
		Specialized subject II	Select three problems from the following six subjects: 1. Information Theory, 2. Algorithms and Data Structures, 3. Programming Language, 4. Computer Architecture and Digital Circuits, 5. Statistical Estimation and Testing, 6. Machine Learning. In addition, you will have to answer one more problem which evaluates your knowledge and problem solving skills in the area of Informatics and Data Science.
Smart Innovation Program (Applied Chemistry)	Applied Chemistry	Specialized subject I	Basic Organic • Polymer Chemistry (Basic Organic and Polymerization Reactions, Acids and Bases, Structure (Resonance, Stereochemistry of Organic Compounds Including Polymers, Isomers), Basic Physical Chemistry (Equilibrium, Quantum), Basic Inorganic • Analytical Chemistry (Fundamental Problems in Inorganic and Analytical Chemistry)
		Specialized subject II	Select one of the following three subject groups: Advanced Organic • Polymer Chemistry (Catalytic Reactions, Multistep Synthesis, Precise Synthesis, Reaction Mechanism), Advanced Physical Chemistry (Kinetics, Molecular Structure), Advanced Inorganic • Analytical Chemistry (Specialized

			Problems in Inorganic and Analytical Chemistry)
Smart Innovation Program (Electrical, Systems, and Control Engineering)	Electrical, Systems, and Control Engineering	Specialized subject I	Answer three problems about linear algebra, infinitesimal calculus, and probability and statistics.
		Specialized subject II	Select and answer three questions that you select from problems about electric circuit theory, control engineering, electronics circuit, logic circuit, mathematical programming, ordinary differential equations.

Quantum Matter Program

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 “II Programs and Number of Students to be Admitted” (page 7~9).

Download the specified forms (7) from the website of the Graduate School.

No	書類等名	摘要				
1	Academic transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> ・教育部学历证书电子注册备案表* ・毕业证书 ・学士(硕士)学位证书 </td> <td> <ul style="list-style-type: none"> ・教育部学籍在线验证报告* ・毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Tuesday, August 10, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> ・教育部学历证书电子注册备案表* ・毕业证书 ・学士(硕士)学位证书 	<ul style="list-style-type: none"> ・教育部学籍在线验证报告* ・毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> ・教育部学历证书电子注册备案表* ・毕业证书 ・学士(硕士)学位证书 	<ul style="list-style-type: none"> ・教育部学籍在线验证报告* ・毕业预定证书 					
3	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 application eligibility of (2) in the section "IV 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>Submit the original score certificate of either of the following examinations. Refer to Caution 3 below for the details.</p> <ul style="list-style-type: none"> ・ TOEIC® Public Test ・ TOEIC®-IP ・ TOEFL®-PBT ・ TOEFL®-iBT ・ TOEFL®- ITP ・ IELTS® ・ Cambridge English Qualifications 				
5	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>				
6	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).				
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)

- ① Quantum Matter Program will use the scores of either of the certificates listed above in place of a written foreign language (English) examination.
- ② 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.

- ③ 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, Thursday, August 26, 2021 to the Student Support Office, Graduate School of Science (1st floor of the Advanced Sciences of Matter).
- ④ 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.
- ⑤ 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.

2. 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); 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)

【Submitted documents】 Three-level evaluation (A, B, C) is performed.

(3) Schedule of Written Examination and Oral Examination

Written Examination			Oral Examination
Thursday, August 26	Specialized subject	9 : 00~12 : 00	Friday, August 27, 9:00-
	Basic subject	13 : 30~15 : 00	

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

(Caution 2) Details of the oral examination will be notified when sending the examination card and on the examination day.

(4) Contents of Written Examination

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

※ Please choose and specify either Physics Field or Electronic Engineering Field in the form of “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 relevant Support Office indicated in the section “II Programs and Number of Students to be Admitted” (page 7~9).

Download the specified forms (1, 5, 6 and 7) from the website of the Graduate School.

No	Document name	Note				
1	Personal History	Use the specified form to prepare.				
2	Academic transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending.				
3	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Tuesday, August 10, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
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 application eligibility of (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 able to submit neither the copy of graduation thesis nor the abstract must submit any published thesis which proves your research ability.</p> <p>For the applicant who is unable to submit any 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	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).				
8	Score certificate of English language ability examination or Japanese-Language	Submit the original score certificate from any of 1 – 4 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				

	Proficiency Test	<p>applicant after the application procedures. The original score certificate from any of the following examinations which was held after April 1, 2018 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>
7	Approval Notice of Application Eligibility Evaluation	Only for the applicant who falls under either (9) or (10) of the application eligibility and has successfully passed a preliminary evaluation. Issued by the dean of the Graduate School.
8	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).
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.

(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. 2 and 3 above.

2. 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. 200 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, August 26, 9:00 – 11:00	Friday, August 27, 9:00- (approximately 30 minutes for each examinee)

(Caution) 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 “II Programs and Number of Students to be Admitted” (page 7~9).

Download the specified forms (1, 5, 6 and 7) from the website of the Graduate School.

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 the applicant attended or is attending.</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>The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.</p> <p>If the certificate does not indicate evaluation criteria of grading, submit another document issued by the university that includes the evaluation criteria.</p>					
3	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Tuesday, August 10, 2021 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>		Graduate	Prospective graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective graduate						
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士(硕士)学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 						
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 application eligibility of (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	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	<p>The applicant who is currently enrolled in a graduate school</p>	<p>Use the specified form to prepare.</p> <p>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</p>				
		<p>The applicant who works in private</p>	<p>Use the specified form to prepare.</p> <p>The applicant who currently works in private company, international organization, governmental organization, local</p>				

		company, international organization, governmental organization, local government, or educational organization	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 recipients	
9	Certificate of Japanese language ability (The original only)	<ul style="list-style-type: none"> ▪ 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 proficiency (The original only)	<ul style="list-style-type: none"> ▪ 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	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).	
12	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.	

(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. 2, 3, 5 and 6 above.

(Caution 3) The applicant who is unable to submit the original score certificate of either of Japanese or English language ability examinations listed above must submit instead the official document issued by the university that certifies that you have passed through the school education program in the university in a foreign country with English being the medium of instruction.

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 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, August 26, 9:00 – 11:00	Friday, August 27, 9:00 -

(Caution) 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 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

VI 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 in person 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 mail the application documents to be received before the deadline. The application will not be accepted when the applicant only sends the application documents.

2. Application Period

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

Friday, July 16, 2021 - Monday, July 26, 2021 no later than 17:00

In the case of submission of the application documents via mail, the documents must be sent in a registered mail and reach us no later than 17:00, Monday, July 26. The documents received after this time shall be accepted only when they are postmarked no later than Friday, July 23.

3. Application via internet

◆ Inquiry regarding the system

Internet application help desk (only Japanese language available)

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

Tel: 03-5952-3902

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

UCARO Office (only Japanese language available)

Service Hours: 10:00 - 18:00

Tel: +81-50-3786-5524

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

○ About unclear points regarding the entrance examination, ask the respective Support Offices indicated in the section "II Programs and Number of Students to be Admitted" (page 7~9).

Business Hours: 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 Internet Application System.

Access the following web page:

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



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

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

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

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

The applicant who applies for the category for which the entrance examination fee is exempted must contact the respective Support Offices indicated in the section "II Programs and Number of Students to be Admitted" (page 7~9). Once you have been notified by the concerned Support Office the alphanumeric characters with eight or more digits, please input them.

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

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

The applicant can choose from "List of Academic Supervisors" and input the name of their prospective academic advisor in the respective Programs from their 1st choice (Required) to 2nd and 3rd choice (Optional) in the column of "Academic Advisor." Please note that the applicant for Applied Chemistry Program is requested to input the name of "Research Fields" of their prospective academic advisor, not the name of their prospective academic advisor.

Step 5: Upload your photograph.

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

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

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

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

(Caution)

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

In either (1) or (2) of the following cases, the entrance examination fee once paid will be returned after deducting the transfer fee. We will mail the form of the "Refund Claim" for refund of the examination fee. Fill in the required information such as the "application number," "name in kana letters," "name," "phone number," "address," "payee account information," and "reason of refund claim," imprint your seal on the form, and mail the form to the respective Support Office indicated in the section "II Programs and Number of Students to be Admitted" (page 7~9) before Monday, February 28, 2022.

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

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

Step 7: Complete the registration of the application information.

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

Step 8: Mail the application documents.

For the submission address, refer to the section "II Programs and Number of Students to be Admitted" (page 7~9).

In the case of submission via delivery in person, the documents will be accepted in respective Support Offices from 8:30 to 17:00 during the application period.

In the case of submission via mail, the documents must be sent in a registered mail and reach us no later than 17:00; Monday, July 26. The documents received after this time shall be accepted only when they are postmarked no later than Friday, July 23.

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

VII Miscellaneous

1. Instruction for Application

- (1) Consult with the faculty who is expected to be your academic advisor about your research theme before applying. For the information regarding the faculty of the Graduate School, refer to following website.

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



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

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

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

The applicant who needs special consideration for the entrance examination and/or education in the Graduate School is requested to submit the application form for the consultation (in free format) to the respective Support Offices listed in the section "II Programs and Number of Students to be Admitted" (page 7~9). The application form must contain the following information.

A. Period for the consultation: Monday, June 28 - Friday, July 2, 2021

B. Information to be described in the application form

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

3. Handling of Personal Information

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

4. Admission Procedure

- (1) Documents for admission procedure

The documents will be sent after the selection result is announced.
UCARO system is used as a part of the admission procedures.

(2) Fee

A: Enrollment fee: 282,000 yen

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

- ① The enrollment fee once paid will not be returned for any reason.
- ② The amounts listed above are as of April 2021. When the amount is revised at the time of admission or while the student is enrolled in the university, it is required to pay the revised amount.

5. Application for Disclosure of Examination Results

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

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

- (2) The examination result (personal information) will be disclosed on the respective Support Offices or sent via mail.
- (3) The applicant for disclosure is required to download the form of "Application for Entrance Examination Result Disclosure" from the website of the Graduate School, fill in the required information, and directly submit or mail it to the respective Support Offices.
It is also required to submit the admission ticket for identification.
- (4) The “Application for Entrance Examination Result Disclosure” will be accepted during the period from October 1, 2021 to November 30, 2021 for October 2021 admission, and the period from April 1, 2022 to May 31, 2022 for April 2022 admission.
- (5) The result of the application shall be notified within 30 days after the “Application for Entrance Examination Result Disclosure” is accepted.

6. Others

- (1) Smoking has been prohibited entirely in all HU campuses from January, 2020.
- (2) Hiroshima University has established the university’s Rules on Security Export Control in accordance with the Foreign Exchange and Foreign Trade Act, and conducts strict examinations for acceptance of international students, etc. Please note in advance that international students 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 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 Offices listed in the section “II Programs and Number of Students to be Admitted” (page 7~9).

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 Offices listed in the section “II Programs and Number of Students to be Admitted” (page 7~9), 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 from the following website.

[https://www.hiroshima-u.ac.jp/system/files/131856/Online application procedures for-Application Fees Exemption.pdf](https://www.hiroshima-u.ac.jp/system/files/131856/Online%20application%20procedures%20for%20Application%20Fees%20Exemption.pdf)

8 Contact

Refer to the respective Support Offices listed in the section “II Programs and Number of Students to be Admitted” (page 7~9).