

April 2021 Admission

**Graduate School of Advanced Science and Engineering
(Master's Course)**

Division of Advanced Science and Engineering

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

Mathematics Program

Physics Program

Earth and Planetary Systems Science Program

Basic Chemistry Program

Applied Chemistry Program

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 (Electrical, Systems, and Control Engineering)

Quantum Matter Program

**Transdisciplinary Science and Engineering Program
(Environmental and Natural Sciences)**



September 2020

HIROSHIMA UNIVERSITY

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

The Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it:

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

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I Programs and Number of Students to be Admitted

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

Division	Program	Capacity	Admission capacity	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	449	Several students	Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468
	Physics Program			
	Earth and Planetary Systems Science Program			
	Basic Chemistry Program			
	Applied Chemistry Program			Support Office for the fields of Engineering 〒739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518
	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 (Electrical, Systems, and Control Engineering)			Support Office for the fields of Science 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Quantum Matter Program			
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)		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 Sciences)	Capacity is separately reserved.	Support Office for the fields of International Development and Cooperation 739-8529 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-4680		

(Caution)

- (1) This selection is not applied to the following programs:
Chemical Engineering Program, Smart Innovation Program (Applied Chemistry)
- (2) Consult with the faculty who is expected to be your advisor about your research theme before applying.
For the information regarding faculties of the Graduate School of Advanced Science and Engineering, refer to the web site of the Graduate School.
URL: <https://www.hiroshima-u.ac.jp/en/adse/research>
- (3) For “Transdisciplinary Science and Engineering Program (Development Science),” the selection separately held. For the detail, please refer to the following web site.
URL: https://www.hiroshima-u.ac.jp/en/adse/admission/d_admission



II Outline of Entrance Examination

1. Schedule of the Entrance Examination

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Monday, November 9, 2020 - Friday, November 20, 2020	A day between Friday, November 27, 2020 and Wednesday, December 9, 2020, specified by the head of the Program.	Oral examination via internet	Planned to be Monday, December 21, 2020.

(Caution)

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

2. Application Eligibility

Refer to the page for each Program listed in the section "III Application Eligibility and Required Documents" (page 6).

3. Application Procedure

- (1) Your application will be accepted via internet during the application period.
Refer to the procedure described in the section "IV Application Procedure" (page 19).
- (2) Mail your application documents specified by the Program to the respective submission address listed in the section "I Programs and Number of Students to be Admitted" (page 4)

4. Examination Subject

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

5. Selection Process

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

6. Result Announcement

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

We will send the acceptance certificate and the admission guide to the accepted applicants.

(We do not answer any inquiry via phone.)

III Application Eligibility and Required Documents

Note that the application eligibility and documents required vary for each program.
For the detail, refer to the page listed in the table below.

Program	Category	Page(s) to be referred
Mathematics Program	Science Programs	Pages 7 to 9
Physics Program		
Earth and Planetary Systems Science Program		
Basic Chemistry Program		
Applied Chemistry Program	Engineering Programs & Informatics and Data Science Program	Pages 10 to 13
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 (Electrical, Systems, and Control Engineering)		
Quantum Matter Program		Pages 14 to 16
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)		Pages 17 to 18

Science Programs

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

1. Admission Policy

【Mathematics Program】

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

- ① A strong questing mind for the mathematical truth and an ambition to 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 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.

2. Application Eligibility

A person who is of a non-Japanese nationality, lives outside Japan at the time of application for admission, and meets or is expected to meet either of the following items by the date of enrollment.:

- (1) A person who has graduated from a university;
- (2) A person who was conferred a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education in accordance with the provisions of Article 104, Item 7 of the School Education Law of Japan (hereinafter referred to as "Law").
- (3) A person who passed through a 16-year school education course in a foreign country;
- (4) A person who studied class subjects provided by a foreign school as a correspondence course in Japan and passed through a 16-year education course within the school education system in the concerned foreign country;
- (5) A person who passed through an education course provided by a foreign education institution located in Japan which is established as an undergraduate course (limited to the course whose graduates are regarded as having passed through a 16-year school education course) within the school education system in the concerned foreign country and is approved by the Ministry of Education, Culture, Sports, Science and Technology (MEXT);
- (6) A person who was conferred a degree equivalent to a bachelor's degree, by passing through an education course that requires three years or more to complete (including the case of the item (5) above), in a university or other school (limited to those institutions whose education and research activities have been certified by the person who has been certified by the concerned foreign country's government or the relevant institutions, or have been separately designated by MEXT as being equivalent to such) in a foreign country;
- (7) A person who passed through, on or after the date specified by MEXT, a postsecondary course (limited to courses whose period is four years or longer and that fulfill other criteria specified by MEXT) of a specialized training college that has been separately designated by MEXT;
- (8) A person who has been designated by MEXT
- (9) A person who entered a graduate school in accordance with the provisions of Article 102, Item 2 of Law and has been approved by the Graduate School of Advanced Science and Engineering as having sufficient academic abilities for receiving postgraduate education;
- (10) A person who has been approved by the Graduate School of Advanced Science and Engineering as having academic abilities equivalent or superior to those of bachelor's degree holders according to the result of the admission qualification examination separately conducted, and is 22 years or older at the time of the admission.;
- (11) A person who has been enrolled in a university for a period of three years or longer (including those who have been certified by MEXT as being equivalent to such) and has demonstrated excellent academic performance and obtained credits in the subjects designated by the Graduate School of Advanced Science and Engineering.

3. Prerequisites for Application

- (1) The applicant who falls under the category of the item (9) (10) or (11) above must undergo the preliminary evaluation of the application eligibility. The concerned applicant must submit the following documents to Support Office for the fields of Science, during the period from Monday, October 19, 2020 to Friday, October 30, 2020.

Download the specified forms (a and b) from the web site of the Graduate School of Advanced Science and Engineering.

	Document Name	Note
a	Application Form for Preliminary Evaluation	Use the specified form to prepare.
b	Record of Application Eligibility Evaluation	Use the specified form to prepare.
c	Statement of motivation for entering the Graduate School and research	Use A4-sized sheets; free format

plan for the Master's Program	
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(2) The evaluation results will be notified to the applicants by e-mail or by post by Friday, November 6, 2020.

(3) The applicants who have successfully gone through a preliminary evaluation need not submit "3. Research plan" listed in the "4. Application Documents" below.

4. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the submission address indicated in the section " I Programs and Number of Students to be Admitted " (page 4). Download the specified forms (3 and 4) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note				
1	Academic transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 4, 2020 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书
Graduate	Prospective Graduate					
<ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 	<ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 					
3	Research Plan	Use the specified form to prepare.				
4	Letter of Recommendation (2 types)	<p>Use the specified form to prepare and submit the following two types of letters of recommendation.</p> <ol style="list-style-type: none"> 1. Letter signed by the head of an organization to which the applicant belongs. 2. Letter(s) signed by one or more persons who supervise the applicant's academic research. 				
5	Certificate of English language ability	A copy of the score certificate of a standard English language proficiency test such as TOEFL®, TOEIC®, CET, IELTS® or Cambridge English Qualifications.				
6	The Graduate Record Examination (GRE) (Optional)	The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.				

(Caution)

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

Engineering Programs & Informatics and Data Science Program

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

1. Admission Policy

[Applied Chemistry Program]

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

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

[Electrical, Systems, and Control Engineering Program]

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

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

[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.

2. Application Eligibility

A person who is of a non-Japanese nationality, lives outside Japan (a person who is settled in Japan as a resident but currently enjoys temporary return to their home country is not eligible), falls under either of the following items, and meets the prerequisites listed in the “3. Prerequisites for Application” below:

- (1) A person who passed through (or is expected to pass through by the date of enrollment) a 16-year school education program in a foreign country; or
- (2) A person who was conferred a degree equivalent to a bachelor’s degree, by passing through an education course that requires three years or more to complete (including a person who passed through an education course provided by a foreign school by studying class subjects of the concerned school as a correspondence course in Japan and who passed through an education course provided by a foreign education institution which is established within the school education system in the concerned foreign country), in a university or other school (limited to those institutions whose education and research activities have been certified by the person who has been certified by the concerned foreign country’s government or the relevant institutions, or have been separately designated by MEXT as being equivalent to such) in a foreign country.

3. Prerequisites for Application

You are required to meet either of the following prerequisites to apply:

- (1) Able to submit a score certificate of English language proficiency test such as TOEIC® (score 600 or above), TOEFL®-PBT (score 505 or above), TOEFL®-ITP (score 505 or above) or TOEFL®-iBT (score 63 or above), IELTS® (score 5.5 or above), Cambridge English Qualifications (score 160 or above) at the time of application; or
- (2) Able to submit a certificate indicating that the applicant has received a higher education in English.

4. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the submission address indicated in the section " I Programs and Number of Students to be Admitted " (page 4). Download the specified forms (3, 6, 7, 8, 9 and 10) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document name	Note
1	Academic transcripts	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.
2	Certificate of graduation or certificate of expected graduation	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.
3	List of the Oral Examination	Use the specified form to prepare.
4	Certificate of English language ability (Original)	Submit either ① the original score certificate of English language proficiency test or ② a certificate indicating that the applicant has received a higher education in English. ① The original score certificate of English language proficiency test Submit the original score certificate of either of the following tests which was held in the period from May 2017 to the time of application. (The submitted certificate will be checked and then returned afterward.) • TOEIC® Public Test • TOEIC®-IP • TOEFL®-PBT (ITP) • TOEFL®-iBT • IELTS® • Cambridge English Qualifications

		② Certificate indicating that the applicant has received a higher education in English Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
5	Score certificate of English language ability (copy)	If the applicant submits①as the certificate for English language ability of the document NO.4, submit a copy of the concerned certificate (copy it in A4 sized paper).				
6	Reference for Educational Background	<p>Use the specified form to prepare. The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective graduate</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表 * · 毕业证书 · 学士 (硕士) 学位证书 </td> <td> <ul style="list-style-type: none"> · 教育部学籍在线验证报告 * · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 4, 2020 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/xlzx/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 					
7	Consent Form	Use the specified form to prepare. Consult with the faculty who is expected to be your academic advisor about the application for the Master's Course and get the consent.				
8	Letter of Recommendation (2 copies)	Use the specified form to prepare. At least one of the letters must be signed by the academic advisor in the university which the applicant is currently enrolled in or has graduated from.				
9	Research Plan	Use the specified form to prepare.				
10	Special Notes	Use the specified form to prepare. The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.				

(Caution)

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

Quantum Matter Program

1. Admission Policy

[Quantum Matter Program]

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

- ① The will to be engaged in professional occupations such as researchers and engineers in area of the basic materials science, condensed material physics, material science and engineering, and electronic engineering;
- ② An ambition for acquiring knowledge and skills related to areas mentioned above regardless of the experience and background before entering the university;
- ③ A wish to build up new businesses as well as exploring scientific facts and applying scientific findings from the academic point of view;
- ④ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to the basic materials science, condensed material physics, material science and engineering, and electronic engineering as well as a wide range of intelligence; and
- ⑤ Common sense and ethics required for a member of society.

2. Application Eligibility

A person who is of a non-Japanese nationality, lives outside Japan at the time of application for admission, and meets or is expected to meet either of the following items by the date of enrollment:

- (1) A person who was conferred a bachelor's degree after passing through a 16-year school education program in a foreign country; or
- (2) A person who was conferred a degree equivalent to a bachelor's degree, by passing through an education course that requires three years or more to complete (including a person who passed through an education course provided by a foreign school by studying class subjects of the concerned school as a correspondence course in Japan and who passed through an education course provided by a foreign education institution which is established within the school education system in the concerned foreign country), in a university or other school (limited to those institutions whose education and research activities have been certified by the person who has been certified by the concerned foreign country's government or the relevant institutions, or have been separately designated by MEXT as being equivalent to such) in a foreign country.
- (3) A person who has been approved by the Graduate School of Advanced Science and Engineering as having academic abilities equivalent or superior to those of bachelor's degree holders according to the result of the admission qualification examination separately conducted, and is 22 years or older at the time of the admission.

(Caution)

The applicant who falls under the category of the item (3) above is required to contact the Support Office indicated in the section " I Programs and Number of Students to be Admitted " (Page 4) and submit the required documents during the period from Monday, October 19, 2020 to Friday, October 30, 2020

3. Prerequisites for Application

You are required to meet either of the following prerequisites to apply:

- (1) Able to submit a score certificate of English language proficiency test such as TOEIC® (score 600 or above), TOEFL®-PBT (score 505 or above), TOEFL®-ITP (score 505 or above) or TOEFL®-iBT (score 63 or above), IELTS® (score 5.5 or above), Cambridge English Qualifications (score 160 or above) at the time of application; or
- (2) Able to submit a certificate indicating that the applicant has received a higher education in English.

4. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the submission address indicated in the section " I Programs and Number of Students to be Admitted " (page 4). Download the specified forms (3 and 4) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document name	Note								
1	Academic transcripts	Issued by the president of the university or the dean of the faculty from which the applicant has graduated. (For the applicant who falls under the application the category of the item (1) above)								
2	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated. (For the applicant who fall under the category of the item (1) above)</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective graduate</th> </tr> </thead> <tbody> <tr> <td>· 教育部学历证书电子注册备案表 *</td> <td>· 教育部学籍在线验证报告 *</td> </tr> <tr> <td>· 毕业证书</td> <td>· 毕业预定证书</td> </tr> <tr> <td>· 学士 (硕士) 学位证书</td> <td></td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 4, 2020 via the authentication system of the Ministry Education of China (中国高等教育学历证书查询). http://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective graduate	· 教育部学历证书电子注册备案表 *	· 教育部学籍在线验证报告 *	· 毕业证书	· 毕业预定证书	· 学士 (硕士) 学位证书	
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· 教育部学历证书电子注册备案表 *	· 教育部学籍在线验证报告 *									
· 毕业证书	· 毕业预定证书									
· 学士 (硕士) 学位证书										
3	Research Plan	Use the specified form to prepare.								
4	Letter of Recommendation	Use the specified form to prepare. Signed by the academic advisor or equivalent in the university which the applicant is currently enrolled in or has graduated from.								
5	Certificate of English language ability	<p>Submit either ① the score certificate of English language proficiency test (original and a copy) or ② a certificate indicating that the applicant has received a higher education in English.</p> <p>① The original score certificate and a copy of English language proficiency test Submit the original score certificate and a copy of either of the following tests. (The submitted original certificate will be checked and then returned afterward.)</p> <ul style="list-style-type: none"> · TOEIC® Public Test · TOEIC®-IP · TOEFL®-PBT (ITP) · TOEFL®-iBT · IELTS® · Cambridge English Qualifications <p>② Certificate indicating that the applicant has received a higher education in English issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p>								
6	Certificate of the Graduate Record Examinations (GRE) (voluntarily submitted)	The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.								

(Caution)

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

5. Oral Examination

The oral examination will be given for areas listed below:

- (1) Reason for application
- (2) Research area and research plan for the Master's Course
- (3) Basic knowledge in the research area of the applicant's choice

Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)

1. Admission Policy

[Transdisciplinary Science and Engineering Program]

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

- ① An ambition for the promotion of advanced and high-level academic and inter-disciplinary research;
- ② Interest in a new academic area in addition to both of the nature-oriented and human-oriented thoughts;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to natural science, engineering, and interdisciplinary areas such as the information science and the international cooperation studies as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

2. Application Eligibility

A person who is of a non-Japanese nationality, lives outside Japan at the time of application for admission, and meets or is expected to meet either of the following items by the date of enrollment.:

- (1) A person who has graduated from a university;
- (2) A person who was conferred a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education in accordance with the provisions of Article 104, Item 7 of the School Education Law of Japan (hereinafter referred to as "Law").
- (3) A person who passed through a 16-year school education course in a foreign country;
- (4) A person who studied class subjects provided by a foreign school as a correspondence course in Japan and passed through a 16-year education course within the school education system in the concerned foreign country;
- (5) A person who passed through an education course provided by a foreign education institution located in Japan which is established as an undergraduate course (limited to the course whose graduates are regarded as having passed through a 16-year school education course) within the school education system in the concerned foreign country and is approved by the Ministry of Education, Culture, Sports, Science and Technology (MEXT);
- (6) A person who was conferred a degree equivalent to a bachelor's degree, by passing through an education course that requires three years or more to complete (including the case of the item (5) above), in a university or other school (limited to those institutions whose education and research activities have been certified by the person who has been certified by the concerned foreign country's government or the relevant institutions, or have been separately designated by MEXT as being equivalent to such) in a foreign country;
- (7) A person who passed through, on or after the date specified by MEXT, a postsecondary course (limited to courses whose period is four years or longer and that fulfill other criteria specified by MEXT) of a specialized training college that has been separately designated by MEXT;
- (8) A person who has been designated by MEXT
- (9) A person who entered a graduate school in accordance with the provisions of Article 102, Item 2 of Law and has been approved by the Graduate School of Advanced Science and Engineering as having sufficient academic abilities for receiving postgraduate education;
- (10) A person who has been approved by the Graduate School of Advanced Science and Engineering as having academic abilities equivalent or superior to those of bachelor's degree holders according to the result of the admission qualification examination separately conducted, and is 22 years or older at the time of the admission.;
- (11) A person who has been enrolled in a university for a period of three years or longer (including those who have been certified by MEXT as being equivalent to such) and has demonstrated excellent academic

performance and obtained credits in the subjects designated by the Graduate School of Advanced Science and Engineering.

(Caution)

The applicant who falls under the category of the item (9) to (11) above is required to contact the Support Office indicated in the section " I Programs and Number of Students to be Admitted " (Page 4) and submit the required documents during the period from Monday, October 19, 2020 to Friday, October 30, 2020

3. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the submission address indicated in the section " I Programs and Number of Students to be Admitted " (page 4). Download the specified forms (1, 4 and 5) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document name	Note				
1	Personal History	Use the specified form to prepare.				
2	Academic transcripts	Issued by the president of the university or the dean of the faculty from which the applicant has graduated.				
3	Certificate of graduation or certificate of expected graduation	<p>Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>The applicant who has graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to obtain and submit the following document:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Graduate</th> <th style="text-align: center;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学历证书电子注册备案表* · 毕业证书 · 学士（硕士）学位证书 </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> · 教育部学籍在线验证报告* · 毕业预定证书 </td> </tr> </tbody> </table> <p>* Obtain the document for which the Web authentication will be valid as of Friday, December 4, 2020 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	Research Plan	Use the specified form to prepare. Explain in details the research plan including the results of your past research in your specialized area.				
5	Letter of Recommendation (2 types)	Use the specified form to prepare. ① Letter signed by the head of the research institute; and ② Letter signed by the academic advisor of the applicant's.				
6	Score certificate of a language ability (optional)	<p>The applicant who has taken either ① or ② is required to submit one of those original score certificates. (We will check and return the original score certificate when we receive the application documents.)</p> <p>①English language proficiency test</p> <ul style="list-style-type: none"> · TOEIC®-Public Test · TOEIC®-IP · TOEFL®-PBT (ITP) · TOEFL®-iBT · IELTS Academic module · Cambridge English Qualifications <p>②JLPT (Japanese-Language Proficiency Test)</p>				
7	Certificate of GRE® (Graduate Record Examinations) (optional)	The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.				

(Caution)

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

IV Application Procedure

(1) Application method

Apply via internet and submit the application documents.

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

(Caution)

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

(2) Application period

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

Monday, November 9, 2020 - Friday, November 20, 2020 no later than 17:00

(3) Application via internet

◆ Inquiry regarding the system

Online application help desk (only Japanese language available)

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

Tel: +81-50-3756-5124

UCARO Office (only Japanese language available)

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

Tel: +81-50-3786-5524

- About unclear points regarding the entrance examination, ask the respective Support Office indicated in the section "I Programs and Number of Students to be Admitted" (page 4).

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

Complete the following 8 steps during the application period.

Step 1: Access the Online 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 Office indicated in the section "I Programs and Number of Students to be Admitted" (page 4). 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.

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 case of the following items (1) or (2), 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 "I Programs and Number of Students to be Admitted" (Page 4) before Friday, February 26, 2021.

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

(1) The applicant does not submit the application documents or the application documents are not 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 6 digits that is shown on the screen.

Step 8: Mail the application documents.

For the submission address, refer to the section "I Programs and Number of Students to be Admitted" (page 4).

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.

(4) Application documents

Required application documents vary for each Program.

Refer to the page for each Program in the section "III Application Eligibility and Required Documents" (page 6) for details.

(5) Submission address for application documents

Refer to the section "I Programs and Number of Students to be Admitted" (page 4).

V Miscellaneous

1. Instruction for Application

- (1) Consult with the faculty who is expected to be your advisor about your research theme before applying. For the information regarding faculties of the Graduate School of Advanced Science and Engineering, refer to following web site.

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



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

- (2) The application document with a deficiency might be rejected. After the application documents are accepted, they shall not be returned, and it is not allowed to amend the information described in them for any reason.
- (3) For the certificates, it is required to submit the original or a copy with the original certification. Any copy will not be accepted as the certificate without the original certification.
- (4) The score certificate of a language ability test (e.g. TOEIC® and TOEFL®) will be used for the following purposes:
- ① Entrance examination
 - ② Statistics and analysis of language ability 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 have failed to earn the expected degree or complete the expected school before the admission 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 required to submit the application form (in free format) which contains the following information to the respective Support Office listed in the section "I Programs and Number of Students to be Admitted" (page 4) to arrange a consultation

A. Period for the consultation: Monday, October 19 - Friday, October 30, 2020

B. Information to be described in the application

- ① Name & address of the applicant (the phone number must be included.)
- ② Name of the university from which the applicant has graduated, Program for which the applicant will apply, and the name of faculty who is expected to be the applicant's advisor
- 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 purpose nor provide it to the person other than our concerned faculties and staffs.

4. Admission Procedure

(1) Documents for admission procedure

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

A part of the admission procedure is processed in UCARO system.

(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 2020. When the amount is revised at the time of admission or while the student is enrolled in the university, it is required to pay the revised amount.

5. Application for Publication of Examination Results

(1) The information regarding the result of the entrance examination in the table below is disclosed only to the applicant.

Item	Disclosed information
Examination score	Evaluation of oral examination and submitted documents (evaluation level)

(2) The examination result (personal information) will be delivered on the respective Support Office or sent via mail.

(3) The applicant for disclosure is required to download the form of "Application for Entrance Examination Result Disclosure" from the web site of the Graduate School of Advanced Science and Engineering and directly submit or mail it to the respective Support Office of the Program.

Also, it is required to submit the admission ticket for identification.

(4) The Application for Entrance Examination Result Disclosure will be accepted during the period from April 1, 2021 to May 31, 2021.

(5) The result of the application shall be notified within 30 days after the Application for Entrance Examination Result Disclosure is received.

6. Others

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

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