

**October 2024 Admission and April 2025 Admission (A Term)**

**Graduate School of Advanced Science and Engineering**

**(Master's Course)**

**Division of Advanced Science and Engineering**

# **General Selection Application Guidebook**

**May 2024**



**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)	
	2. Admission Policy of each Program	
II	Programs and Number of Students to be Admitted	8
III	Outline of Entrance Examination	11
	1. Schedule of the Entrance Examination	
	2. Application Eligibility	
	3. Application Documents and Selection Process	
	4. Application Procedure	
	5. Examinee's Number and Printing the Examination Card	
	6. Result Announcement	
IV	Application Eligibility	12
	1. Application Eligibility	
	2. Preliminary Evaluation	
	3. Application Requirements	
V	Application Documents and Selection Process	15
	<b>Science Programs</b> (Mathematics / Physics / Earth and Planetary Systems Science / Chemistry)	16
	1. Application Documents	
	2. Selection Process	
	<b>Engineering Programs &amp; Informatics and Data Science Program</b> (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)	19
	1. Application Documents	
	2. Selection Process	
	<b>Quantum Matter Program</b>	25
	1. Application Documents	
	2. Selection Process	
	<b>Transdisciplinary Science and Engineering Program</b> (Environmental and Natural Sciences, Development Science)	27
	1. Application Documents	
	2. Selection Process	
VI	Application Procedure	30
	1. Application Method	
	2. Application Period	
	3. Application via Internet	
VII	Miscellaneous	32
	1. Instruction for Application	
	2. Consultation with the Applicant Who Needs Special Consideration for the Entrance Examination and/or Education in the Graduate School	
	3. Handling of Personal Information	
	4. Admission Procedure	
	5. Application for Disclosure of Examination Results	
	6. Others	
	Application Fees Exemption for Prospective Students to Enter Hiroshima University	34

# 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 possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

## 2. Admission Policy of each Program

### [Mathematics Program]

The Mathematics Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### [Physics Program]

The Physics Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### [Earth and Planetary Systems Science Program]

The Earth and Planetary Systems Science Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

#### **[Chemistry Program]**

The Chemistry Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- ① Basic knowledge and ability of comprehension, examination, and presentation regarding the 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 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 chemistry as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

#### **[Applied Chemistry Program]**

The Applied Chemistry Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

#### **[Chemical Engineering Program]**

The Chemical Engineering Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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 chemical engineering areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring knowledge and study skills for the academic areas related to the chemical engineering as well as a wide range of intelligence; and
- ④ Common sense and ethics required for a member of society.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

#### **[Electrical, Systems, and Control Engineering Program]**

The Electrical, Systems, and Control Engineering Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:



### **[Civil and Environmental Engineering Program]**

The Civil and Environmental Engineering Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### **[Informatics and Data Science Program]**

The Informatics and Data Science Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### **[Smart Innovation Program]**

The Smart Innovation Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- 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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### **[Quantum Matter Program]**

The Quantum Matter Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

- ① A desire to pursue professional careers as researchers and engineers in fields such as fundamental material science, condensed matter physics, materials science and engineering, and electronic engineering.
- ② An ambition to acquire knowledge and skills in the aforementioned areas, regardless of prior experience or background before university enrollment.
- ③ A desire to establish new businesses while exploring scientific truths and applying academic findings.
- ④ A passion for advancing the "science for sustainable development" from diverse perspectives, and addressing regional and international challenges through knowledge and academic skills in areas related to fundamental

material science, condensed matter physics, materials science and engineering, electronic engineering, and other broad intellectual domains.

⑤ The common sense and ethical standards expected of a responsible member of society.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

### **[Transdisciplinary Science and Engineering Program]**

The Transdisciplinary Science and Engineering Program seeks students who possess the following aspirations and motivation, and have a solid foundation in relevant subjects:

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.

To admit such candidates, the Graduate School of Advanced Science and Engineering evaluates applicants through a comprehensive and multifaceted process, in alignment with its Diploma and Curriculum Policies, using oral, written, and/or external examinations.

## II Programs and Number of Students to be Admitted

The Division of Advanced Science and Engineering of Graduate School of Advanced Science and Engineering in Hiroshima University will accept applicants in General Selection for October 2024 admission and April 2025 admission to the Master's Courses as indicated below.

### 【October 2024 Admission】

Division	Program	Capacity	Admission capacity	Venue for examination	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	436	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
	Physics Program				
	Earth and Planetary Systems Science Program				
	Chemistry Program				
	Applied Chemistry Program				
	Chemical Engineering Program				
	Electrical, Systems, and Control Engineering Program				Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518, 7519
	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: 082-424-6316
	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)				Support Office for the fields of International Development and Cooperation 739-8529 1-5-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-5902
Transdisciplinary Science and Engineering Program (Development Science)					



(Caution)

- The selection for October 2024 admission TC #2 BD3or

【April 2025 Admission (A Term)】

Division	Program	Capacity	Admission Capacity	Examination Location	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	436	256	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				
	Chemistry Program				
	Applied Chemistry Program				Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518, 7519
	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)				
	Smart Innovation Program (Electrical, Systems, and Control Engineering)				
Quantum Matter Program	Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-				

# III Outline of Entrance Examination

## 1. Schedule of the Entrance Examination

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Friday, July 12, 2024 – Friday, July 19, 2024	Thursday, August 22, 2024, 9:00-	Written Examination	Planned to be 12:00-, Thursday, September 5, 2024
	Friday, August 23, 2024, 9:00-	Oral Examination <small>(excluding Mechanical Engineering Program)</small>	
	(Preliminary date: Saturday, August 24, 2024)		

(Caution)

- In the difficult case of carrying out the entrance examination because of bad weather, epidemic, etc., the entrance examination may be held on the preliminary day. Postponement of the examination, extension of the starting time of the examination and so forth will be notified on the website of the Graduate School of Advanced Science and Engineering (<https://www.hiroshima-u.ac.jp/adse>).
- There is no oral examination for Mechanical Engineering Program.

## 2. Application Eligibility

Refer to the section "IV Application Eligibility".

## 3. Application Documents and Selection Process

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

## 4. Application Procedure

- (1) Your application will be accepted via internet during the application period.  
Refer to the procedures described in the section "VI Application Procedure".
- (2) Deliver 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".  
The Support Office is open from 8:30 to 17:00 during the application period for the applicant who delivers the application documents.  
In the case of submission via delivery, 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, Friday, July 19. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, July 17.

## 5. Examinee's Number and Printing the Examination Card

After our graduate school has received the application documents and confirmed that the application eligibility has been fulfilled, you will be able to check your examinee's number, the Examination Card and examination guide on the UCARO website (refer to the section "VI Application Procedure") after 12:00 on July 26, 2024 (planned).

Please be sure to print out the Examination Card from the UCARO and bring it on the day of the examination.

## 6. Result Announcement

We will send the acceptance certificate and the admission guide to the successful applicants by mail.

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

(We do not answer any inquiry via phone.)

## IV Application Eligibility

### 1. Application Eligibility

Those who meet or are expected to meet by September 30, 2024 for October 2024 admission, and by March 31, 2025 for April 2025 admission either of the following criteria.

- (1) A person who graduated from a university or college.
- (2) A person who earned a bachelor's degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education according to the provision of Section 7 of Article 104 of School Education Act (Act No. 26 of 1947), or is expected to be conferred (Hereinafter referred to as "Expected graduate").
- (3) A person who completed a 16-year school education course in a country other than Japan.
- (4) A person who studied the class subjects provided by a foreign school as a correspondence course in Japan and, as a result, completed the 16-year school education course in the concerned foreign country.
- (5) A person who completed an education course in Japan provided by a foreign education institute which is established as an undergraduate course (limited to that for which the person who completed the course is regarded as an undergraduate course).

Document name		Note
a	Application Form for Preliminary Evaluation	Use the specified form to prepare.
b	Record of Application Eligibility Evaluation	Use the specified form to prepare.
c	Reasons for Application	Use the specified form to prepare.
d	Research Plan	Must use A4 sized paper; free format Attach a list of research achievements, if any.
e	Academic Transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
f	Certificate of Enrollment or Graduation from a Graduate School	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending.

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

(2) The results of the preliminary evaluation will be notified to the applicants by Tuesday, July 9, 2024.

(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".

### 3. Application Requirements

Those who apply for Engineering Programs & Informatics and Data Science Program must meet the application eligibility above and the application requirement specified by each Program below.

◆ Applied Chemistry Program / Smart Innovation Program (Applied Chemistry)

The applicants must meet either of the following requirements.

- ① Able to submit a score certificate of the English-language proficiency examination which was held in the period from May 2022 to the time of application such as TOEIC® L&R (score 450 or above), TOEFL®-ITP (score 457 or above), TOEFL®-iBT (score 44 or above), IELTS Academic (score 4.0 or above) or Cambridge English Qualifications (score 140 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.

◆ 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 (Electrical, Systems, and Control Engineering)

The applicants must be able to submit a score certificate of the English-language proficiency examination which was held in the period from May 2022 to the time of application such as TOEIC® L&R (score 450 or above), TOEFL®-ITP (score 457 or above), TOEFL®-iBT (score 44 or above), IELTS Academic (score 4.0 or above) or Cambridge English Qualifications (score 140 or above) at the time of application.



# Science Programs

Mathematics Physics Earth and Planetary Systems Science 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”.

No	Document name	Note				
0	Contact your academic advisor	Please be sure to contact academic advisor you wish to be supervised in Hiroshima University before applying.				
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 required to submit the following documents:</p> <table border="1" style="width: 100%;"> <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"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士学位</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul> </td> </tr> </tbody> </table> <p>*: Obtain the document through "中国高等教育学生信息网 (CHSI)".</p> <p>There should be 15 or more days left until the expiration date of the online verification at the time of its submission.</p> <p><a href="https://www.chsi.com.cn/xlcx/bgys.jsp">https://www.chsi.com.cn/xlcx/bgys.jsp</a></p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士学位</li> </ul>	<ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul>
Graduate	Prospective graduate					
<ul style="list-style-type: none"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士学位</li> </ul>	<ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul>					
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"> <li>· Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology.</li> <li>· Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.</li> </ul>				
4	Score Certificate of English Language Proficiency	<p>Only for the applicant for Physics Program, Earth and Planetary Systems Science Program or Chemistry Program.</p> <p>Submit the original score certificate from any of TOEIC® public test, TOEIC®-IP (including Online Test), or TOEFL®-iBT. If you want your sheet to be returned, please inform us at the time of application.</p> <p>Refer to Caution 3 below for the details.</p>				

(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 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 Online Test), 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 of English language proficiency will receive 0 (zero) points for English language proficiency evaluation.

## 2. Selection Process

(1) Basic Policy



○Mathematics Program

To evaluate whether an applicant has acquired specialized knowledge in the Bachelor's course, and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, academic aptitu

【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 22	Specialized subject	9 : 00 - 12 : 00	Friday, August 23, 9:00 -
Physics Program				
Earth and Planetary Systems Science Program				
Chemistry Program				

(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 guide and on the examination day.

(4) Contents of Written 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.
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

5	Score Certificate of English-language Proficiency	<p>Submit either ① or ② (Those who can choose ② are only for the applicants for Applied Chemistry Program or Smart Innovation Program (Applied Chemistry)).</p> <p>① The original score certificate of English-language proficiency Submit the original score certificate of either of the following examinations which was held in the period from May 2022 to the time of application. (The submitted score certificate will be returned to the applicant after confirmation).</p> <ul style="list-style-type: none"> <li>• TOEIC® Public Test L&amp;R</li> <li>• TOEIC®-IP L&amp;R (including Online Test)</li> <li>• TOEFL®- ITP</li> <li>• TOEFL®-iBT</li> <li>• IELTS Academic</li> <li>• Cambridge English Qualifications</li> </ul> <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 (Only for the applicants for Applied Chemistry Program or Smart Innovation Program (Applied Chemistry)).</p> <p>* Check 3. Application Requirements in the section IV Application Eligibility .</p> <p>* As for using the Digital Official Score Certificate for TOEIC®, please inquire of the Support Office.</p>
6	Score Certificate of English-language Proficiency (copy)	If the applicant submits ① as the document No.5 "Score certificate of English-language proficiency," submit a copy of the concerned certificate (in A4 sized paper).
7	Registration of Laboratory Preference for Applicants of Applied Chemistry Program and Smart Innovation Program (Applied Chemistry)	Only for the applicant for Applied Chemistry Program and Smart Innovation Program (Applied Chemistry) Use the specified form to prepare.
8	Registration of Laboratory Preference for Applicants of Mechanical Engineering Program	Only for the applicant for Mechanical Engineering Program Use the specified form to prepare.
9	Registration of Selected Subject for Applicants of Architecture Program and Smart Innovation Program	Only for the applicant for Architecture Program and Smart Innovation Program (Applied Chemistry / Electrical, Systems, and Control Engineering) Use the specified form to prepare.
10	Registration of Selected Subject for Applicants of Civil and Environmental Engineering Program	Only for the applicant for Civil and Environmental Engineering Program Use the specified form to prepare.
11	Copy of Residence Card	Only for foreign applicants residing in Japan. If your address is written on the back side of the card, make a two-sided copy.
12	Personal History	Only for the applicant who has graduated from a foreign university. 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, 2 and 12 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.

\* For Mechanical Engineering Program, there is no oral examination.

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

\* For Applied Chemistry Program and Smart Innovation Program (Applied Chemistry), score certificate of English-language proficiency is used only for confirming the application requirement and there is no evaluation based on its conversion.

【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 22	Specialized subject I	9 : 00 - 12 : 00	Friday, August 23, 9:00-
		Specialized subject II	13 : 30 - 15 : 00	
Chemical Engineering Program	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	
Electrical, Systems, and Control Engineering Program	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	
Mechanical Engineering Program	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	
Transportation and Environmental Systems Program	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	
Architecture Program	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	
Civil and Environmental Engineering Program	Thursday, August 22	Specialized subject I	9 : 00~11 : 30	
		Specialized subject II	13 : 30~15 : 30	
Informatics and Data Science Program	Thursday, August 22	Specialized subject I	9 : 00~11 : 00	
		Specialized subject II	13 : 30~15 : 30	
Smart Innovation Program (Applied Chemistry)	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~15 : 00	
Smart Innovation Program (Electrical, Systems, and Control Engineering)	Thursday, August 22	Specialized subject I	9 : 00~12 : 00	
		Specialized subject II	13 : 30~16 : 30	

(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 guide 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"> <li>• Mathematics (linear algebra, differentiation and integration, differential equations, vector calculus)</li> <li>• Mechanics of Materials (stress and strain, tension and compression, torsion, bending of beams, combined stress, stress analysis based on energy principles)</li> <li>• Mechanical Vibrations (vibration of single- and multi-degree-of-freedom systems, transient vibration, vibration isolation)</li> </ul>
		Specialized subject II	Select three of the following four subjects. <ul style="list-style-type: none"> <li>• Mechanical Materials (crystalline structure, equilibrium diagram, plasticity, diffusion, heat treatments, microstructures, mechanical properties of steels)</li> <li>• Thermodynamics (The first and second laws, Heat and entropy, Equations of state, Thermodynamic potentials, Exact differential, Ideal gas, Gas power cycles, Phase change, Phase equilibrium, Moist air)</li> <li>• Fluid Mechanics (Statics, Conservation laws of mass and momentum, Bernoulli's theorem, Hydrometry, Shear stress, Couette flow, Hagen–Poiseuille flow, Potential flow)</li> <li>• Control Engineering (classical control)</li> </ul>
Transportation and Environmental Systems Program	Vehicle and Environmental Systems Engineering	Specialized subject I	<ul style="list-style-type: none"> <li>• Mathematics (linear algebras, differential and integral calculus, differential equation and vector analysis)</li> <li>• Dynamics (particle and mass system dynamics, rigid-body dynamics)</li> </ul>

		Specialized subject II	<ul style="list-style-type: none"> <li>• Fluid Mechanics (fluid statics, Bernoulli's theorem, momentum theorem, potential flow)</li> <li>• Material and Structural Mechanics (cross sectional properties, sectional force, stress and strain, torsion, buckling, energy principles, statically determinate structure, statically indeterminate structure)</li> </ul>
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).
	Architecture	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.
		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	<p>Select one of the following six subjects, which must be registered in the application:</p> <ul style="list-style-type: none"> <li>• Structural Engineering (strength of material, structural mechanics, and energy principles)</li> <li>• Concrete Engineering (materials for concrete, properties of fresh and hardened concrete, and concrete structure)</li> <li>• Geotechnical Engineering (soil mechanics, design of earth structures, and geotechnical disaster mitigation)</li> <li>• Sanitary and Environmental Engineering (water chemistry, water supply and sewerage systems, microbial ecology, and kinetics)</li> <li>• Hydraulics (conservation laws of momentum and energy, laminar and turbulent flows, and flows in open channels and conduits)</li> <li>• Infrastructure and Transportation Planning (city planning and transportation demand forecasting)</li> </ul>
		Specialized subject II	<p>Essay A: Examination on the applicant's knowledge and thinking capacity on Civil and Environmental Engineering</p> <p>Essay B: Review of previous studies regarding desired research topic</p> <p>※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.</p> <p>URL:<a href="https://www.hiroshima-u.ac.jp/system/files/209276/references.doc">https://www.hiroshima-u.ac.jp/system/files/209276/references.doc</a></p>
Informatics and Data Science Program	Informatics and Data Science	Specialized subject I	<p>Answer four problems about the following subjects:</p> <p>1. Linear Algebra, 2. Advanced Calculus and Ordinary Differential Equations, 3. Probability theory, 4. Discrete Mathematics.</p>
		Specialized subject II	<p>Select three problems from the following six subjects:</p> <p>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.</p> <p>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.</p>

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". Download the specified forms (6) from the website of the Graduate School of Advanced Science and Engineering.

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>If you are a graduate, make sure that the certificate includes information about your degree.</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 required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Graduate</th> <th style="width: 50%;">Prospective graduate</th> </tr> </thead> <tbody> <tr> <td>・教育部学 子注册 案表*</td> <td>・教育部学籍在 告*</td> </tr> <tr> <td>・</td> <td>・ 定</td> </tr> <tr> <td>・学士学位</td> <td></td> </tr> </tbody> </table> <p>*: Obtain the document through "中国高等教育学生信息网 (CHSI)". There should be 15 or more days left until the expiration date of the online verification at the time of its submission. <a href="https://www.chsi.com.cn/xlcx/bgys.jsp">https://www.chsi.com.cn/xlcx/bgys.jsp</a></p>	Graduate	Prospective graduate	・教育部学 子注册 案表*	・教育部学籍在 告*	・	・ 定	・学士学位	
Graduate	Prospective graduate									
・教育部学 子注册 案表*	・教育部学籍在 告*									
・	・ 定									
・学士学位										
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"> <li>Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology.</li> <li>Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.</li> </ul>								
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"> <li>TOEIC® Public Test</li> <li>TOEIC®-IP (including Online Test)</li> <li>TOEFL®-iBT</li> <li>TOEFL®- ITP</li> <li>IELTS®</li> <li>Cambridge English Qualifications</li> </ul>								
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	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 22, 2024 to the Support Office for the fields of Science (AdSM).
- 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 Support Office for the fields of Science (AdSM).
- ⑤ The applicant who does not submit their score certificate of English language proficiency will receive 0 (zero) points for English language proficiency evaluation.

## 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】** 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 22	Specialized subject	9 : 00~12 : 00	Friday, August 23, 9:00-

(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 guide and on the examination day.

### (4) Contents of Written Examination

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

※ 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, 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”. Download the specified forms (1, 2, 3, 4 and 8) from the website of the Graduate School of Advanced Science and Engineering.
- ◇Each certificate (except “Language Test Score Certificate”) must be the original. However, if a new certificate is not issued, a certified copy of the original (certified by the official organization (preferably the issuing organization) as being the same as the original) will be accepted.
- ◇Any forgery or falsification of the documents and/or academic fraud would result in cancellation of acceptance even after passing examination and/or completing enrollment procedure.

No	Document name	Note				
1	Personal History	Use the specified form to prepare.				
2	Registration of Selected Subject for Applicants of Transdisciplinary Science and Engineering Program	Use the specified form to prepare.				
3	Research Plan	Use the specified form to prepare. A detailed research plan written in either Japanese (about 2,000 characters) or English (about 1,000 words)				
4	Common Assignment	Describe a future vision created by advancing your research further through a transdisciplinary approach in relation to your research plan in the specified form in Japanese (about 2,000 characters) or English (about 1,000 words), which should be understandable to non-specialists.				
5	Academic Transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending. The applicant who is currently enrolled in or has completed a graduate school must submit the academic transcript for both the faculty and the graduate school. If the certificate does not indicate evaluation criteria of grading, submit another document issued by the university that includes the evaluation criteria.				
6	Certificate of Degree Awarded 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 is currently enrolled in or has completed a graduate school must submit the certificate for both the undergraduate university and the graduate school.</p> <p>If you are a graduate, make sure that the certificate includes information about your degree.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <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"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士 ( 士) 学位</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul> </td> </tr> </tbody> </table> <p>*: Obtain the document through "中国高等教育学生信息网 (CHSI)".</p> <p>There should be 15 or more days left until the expiration date of the online verification at the time of its submission. <a href="https://www.chsi.com.cn/xlxl/bgys.jsp">https://www.chsi.com.cn/xlxl/bgys.jsp</a></p>	Graduate	Prospective graduate	<ul style="list-style-type: none"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士 ( 士) 学位</li> </ul>	<ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul>
Graduate	Prospective graduate					
<ul style="list-style-type: none"> <li>· 教育部学 子注册 案表*</li> <li>·</li> <li>· 学士 ( 士) 学位</li> </ul>	<ul style="list-style-type: none"> <li>· 教育部学籍在 告*</li> <li>· 定</li> </ul>					

7	Certificate of Expected Application for the Conferment of a Bachelor's Degree or Certificate of a Bachelor's Degree	Only for the applicant who falls under the application eligibility (2). <ul style="list-style-type: none"> <li>Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology.</li> <li>Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education.</li> </ul>	
8	Letter of Approval for Taking the Entrance Examination	The applicant who is currently enrolled in a graduate school	Use the specified form to prepare. The applicant who is enrolled in other graduate school must submit a letter of approval for taking the entrance examination issued by the president of the university or the dean of the graduate school
		The applicant who works in private company, international organization, governmental organization, local government, or educational organization	Use the specified form to prepare. The applicant who currently works in private company, international organization, governmental organization, local government, or educational organization and wishes to enroll in our graduate school while in service must submit a letter of approval for taking the entrance examination issued by the organization.
9	Japanese Government (MEXT) Scholarship Certificate	Only for Japanese Government (MEXT) Scholarship recipients	
10	Language Test Score Certificate	TOEFL® or other equivalent English language test, or Japanese Language Proficiency Test or other equivalent Japanese language test. (Applicants whose first language is English are not required to submit this certificate.) If an applicant is unable to submit "Language Test Score Certificate", an official document made by the university which certifies that the medium of instruction in the institution which the applicant has attended/is attending is English will be accepted.	
11	Copy of Residence Card	All international applicants who are residing in Japan at the time of application must submit (double side).	

(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. 3, 5 and 6 above.

(Caution 3) Submit a GRE General Test Official Score, if available. (The submission of the GRE score is optional.) The Official Score Report must be sent by ETS directly to Hiroshima University (Institution Code: 2358) no later than the submission period. (The Examinee Score Report sent to applicants from ETS is acceptable as well.)

## 2. Selection Process

### (1) Basic Policy

Application documents and academic abilities (based on the Written Examination and the Oral Examination) will be comprehensively evaluated. The Oral Examination may include a language testing component.

### (2) Evaluation Criteria

**【Written Examination】** Specialized subject (max. 100 points)

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

**【Oral Examination】** The results of the Oral Examination in the style of interview will be evaluated in scale of three level indicated below. And also, the Oral Examination includes the evaluation of the Application Documents.

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

**【General Judgement】** Those who have passed both the Written Examination and Oral Examination will be successful applicants.

(3) Written Examination and Oral Examination Schedule

Written Examination	Oral Examination
Thursday, August 22,	

## 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 application fee of 30,000 yen.
- ③ Deliver or mail the application documents.

(Caution)

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

### 2. Application Period

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

**Friday, July 12, 2024 - Friday, July 19, 2024 no later than 17:00**

In the case of ③ (submission via mail), the documents must be sent in a registered mail and reach us no later than 17:00, Friday, July 19. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, July 17.

### 3. Application via internet

For inquiries regarding online application system and UCARO website

**Help Desk (Japanese Speaking Only)**

Inquires accepted from 10:00 to 18:00 (Except from December 30 to January 3)

Tel: 03-6634-6494

- For inquiries regarding the entrance examination, refer to the respective Support Offices listed in the section "II Programs and Number of Students to be Admitted".

Open: 8:30 - 17:00 (Except 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, Kumano Town, and Saka Town)

- 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 "UCARO Account Registration" on the UCARO log in screen**

Account registration for UCARO is required for all applicants (free of charge).

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

**Step 3: Enter the Account (Exemption category only)**

The applicant who applies for exemption from the entrance application fee must consult in advance with the respective Support Offices listed in the section "II Programs and Number of Students to be Admitted" to obtain the alphanumeric characters of eight or more digits and enter them.

**Step 4:**

## VII Miscellaneous

### 1. Instruction for Application

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

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



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

- (2) The application documents with a defect might be rejected. After the application documents are accepted, they shall not be returned and it is not allowed to amend the information described in them for any reason.
- (3) For the certificates, it is required to submit the original or a copy with the original certification. Any copy without the original certification will not be accepted as the valid certificate.
- (4) The score certificate of English-language proficiency submitted for the application 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 earn the expected degree or complete the expected school before the date of admission.

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

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

A. Period for the consultation: Monday, June 24 - Friday, June 28, 2024

B. Information to be described in the application

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

### 3. Handling of Personal Information

The personal information obtained via the admission selection process (name, birth date, gender, and the other personal information) is used for the selection of entrants, notification to the successful applicants, and 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 2024. When the amount is revised at the time of admission or while the student is enrolled in the university, it is required to pay the revised amount.

**5. Application for Disclosure of Examination Results**

(1) The information regarding the result of the entrance examination for the Graduate School of Advanced Science and Engineering listed below is disclosed only to the person who has applied for the entrance examination (hereinafter referred to as the “applicant for disclosure”).

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

(2) The examination result (personal information) will be delivered on the respective Support Offices or be sent via mail to the applicant for disclosure.

(3) The applicant for disclosure is required to download the form of "Application for Entrance Examination Result Disclosure" from the website of the Graduate School of Advanced Science and Engineering, fill in the required information, and directly submit or mail it to the respective Support 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, 2024 to November 29, 2024 for October 2024 admission, and the period from April 1, 2025 to May 30, 2025 for April 2025 admission.

(5) Tsur

## **Application Fees Exemption for Prospective Students to Enter Hiroshima University**

Hiroshima University will implement special measures for exemption of Application Fees in AY 2024 in order to reduce the financial burden of those affected by natural disasters and secure opportunities for prospective students to enter the university.

If you wish to request exemption from the Application Fees, please be sure to contact the respective Support Offices listed in the section “II Programs and Number of Students to be Admitted” before applying for admission.

### **1. Type of Examinations Subject to Exemption**

Entrance examinations conducted in AY 2024 for Schools, Graduate Schools, and Special Course of Special Support Education. (including examinations for re-enrollment and transfer)

### **2. Details of Exemption**

Exemption of Application Fees

\* The fees for disclosure of entrance examination results is also subject to exemption.

### **3. Disasters for Exemption**

Any of the disasters that happened in or after August 2019 and to which the Disaster Relief Act was applied

\* Entrance examinations subject to exemption from application fees are limited to those whose application periods (the final day) are set within five years from the date on which the relevant Disaster Relief Act was applied.

### **4. Eligibility for Exemption**

Applicants who were affected by any of the disasters that happened in or after August 2019 and to which the Disaster Relief Act was applied and also who fall under any of the following cases:

- (1) When the home owned by the main school expenses supporter was completely destroyed, substantially damaged, or moderately damaged.
- (2) When the main household supporter is deceased or missing.

For details on the areas covered by the Disaster Relief Act, access the Cabinet Office website:

[https://www.bousai.go.jp/taisaku/kyuujou/kyuujou\\_tekiyou.html](https://www.bousai.go.jp/taisaku/kyuujou/kyuujou_tekiyou.html) (Japanese text only)

### **5. How to Apply**

Please contact in advance the respective Support Offices listed in the section “II Programs and Number of Students to be Admitted”, and then submit the documents required for exemption, together with other admission application documents.

In this case, please do not pay the entrance application fees when applying for admission.

### **6. Required Documents**

- (1) “Application for Exemption of Application Fees” which can be downloaded from the Hiroshima University website (<https://www.hiroshima-u.ac.jp/en/nyugaku>)
- (2) Disaster damage certificate (photocopy is also acceptable) [Those who fall under 4 (1)]
- (3) Document certifying that the main household supporter is deceased or missing (photocopy is also acceptable) [Those who fall under 4 (2)]

### **7. Online Application Procedures**

Refer to the PDF file available in the following website.

<https://www.hiroshima-u.ac.jp/system/files/131856/Online%20application%20procedures%20for-Application%20Fees%20Exemption.pdf>

### **8. Inquiries**

Refer to the respective Support Offices listed in the section “II Programs and Number of Students to be Admitted”.