

October 2023 Admission and April 2024 Admission (A Term)

**Graduate School of Advanced Science and Engineering
(Doctoral Course)**

Division of Advanced Science and Engineering

General Selection Application Guidebook

May 2023



Contents

I	Admission Policy	3
	1. Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Doctoral Course)	
	2. Admission Policy of each Program	
II	Programs and Number of Students to be Admitted	8
III	Outline of Entrance Examination	10
	1. Schedule of the Entrance Examination	
	2. Application Eligibility	
	3. Application Documents and Selection Process	
	4. Application Procedure	
	5. Result Announcement	
IV	Application Eligibility	11
	1. Application Eligibility	
	2. Preliminary Evaluation	
V	Application Documents and Selection Process	13
	<u>Science Programs</u> (Mathematics/Physics/Earth and Planetary Systems Science/Chemistry)	14
	1. Application Documents	
	2. Selection Process	
	<u>Engineering Programs & Informatics and Data Science Program</u> (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)	16
	1. Application Documents	
	2. Selection Process	
	<u>Quantum Matter Program</u>	18
	1. Application Documents	
	2. Selection Process	
	<u>Transdisciplinary Science and Engineering Program</u> (Environmental and Natural Sciences, Development Science)	20
	1. Application Documents	
	2. Selection Process	
VI	Application Procedure	22
	1. Application Method	
	2. Application Period	
	3. Application via Internet	
VII	Miscellaneous	25
	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	27

I Admission Policy

1. Admission Policy of Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering (Doctoral Course)

The Division of Advanced Science and Engineering of the Graduate School of Advanced Science and Engineering seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role 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 sophisticated 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through

engineers in earth and planetary science 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 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Chemistry Program]

The Chemistry Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role in professional occupations such as researchers and highly-professional 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 wide range of academic knowledge and study skills for the academic areas related to chemistry as well as a wide range of intelligence; and
- ④ Common sense as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Applied Chemistry Program]

The Applied Chemistry Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role in professional occupations such as researchers and highly-professional 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 wide range of academic knowledge and study skills for the academic areas related to applied chemistry as well as a wide range of intelligence; and
- ④ Common sense as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Chemical Engineering Program]

The Chemical Engineering Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role in professional occupations such as researchers and highly-professional 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Electrical, Systems, and Control Engineering Program]

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

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;

- ② The will to take the leading role in professional occupations such as researchers and highly-professional 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Mechanical Engineering Program]

The Mechanical Engineering Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;

② 希望機械工学の分野で最先端の学術的・学際的研究にリーダーシップを発揮し、社会に貢献することを目指す。

motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Informatics and Data Science Program]

The Informatics and Data Science Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role in professional occupations such as researchers and highly-professional engineers in 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Smart Innovation Program]

The Smart Innovation Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① The Smart Innovation Program seeks students who have the following aspirations and motivation and have the basic academic abilities necessary for it: An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to take the leading role in professional occupations such as researchers and highly- professional 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 multifaceted perspective and for solving regional and international issues by acquiring wide range of academic knowledge and study skills for the academic areas related to the smart material development, the smart measurement and control, and their fusion technologies of them as well as wide range of intelligence; and
- ④ Common sense as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Quantum Matter Program]

The Quantum Matter Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① The will to acquire sophisticated research ability and expertise to obtain the doctor degree and being engaged in advanced 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 unveiling new findings in physics and applying them in an engineering field and/or development of a integrated system 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

[Transdisciplinary Science and Engineering Program]

The Transdisciplinary Science and Engineering Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- ② The will to explore new academic areas with 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 wide range of academic 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 as a member of society and ethics required for researchers and highly-professional engineers.

In order to admit such individuals, Graduate School of Advanced Science and Engineering selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

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 2023 admission and April 2024 admission to the Doctoral Courses as indicated below.

【October 2023 admission】

Division	Program	Capacity	Admission capacity	Contact Submission address for application documents
Division of Advanced Science and Engineering	Mathematics Program	121	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			
	Chemistry Program			
	Applied Chemistry Program			
	Chemical Engineering Program			Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518, 7519
	Electrical, Systems, and Control Engineering Program			
	Mechanical Engineering Program			
	Transportation and Environmental Systems Program			
	Architecture Program			
	Civil and Environmental Engineering Program			Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Informatics and Data Science Program			
	Smart Innovation Program (Applied Chemistry)			
	Smart Innovation Program (Electrical, Systems, and Control Engineering)			
	Quantum Matter Program			
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6316			
Transdisciplinary Science and Engineering Program (Development Science)	Support Office for the fields of International Development and Cooperation 739-8529 1-5-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-4680			

(Caution)

- The selection for October 2023 admission will be held for all the Programs.
- Consult with the faculty who is expected to be your academic supervisor about your research theme before applying. For the information regarding faculty of the Graduate School of Advanced Science and Engineering refer to the following website.

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



【April 2024 admission (A Term)】

Division	Program	Capacity	Admission Capacity	Contact Submission address for application documents
Division of Advanced Science and Engineering	Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences)	121	Several students	Support Office for the fields of Integrated Arts and Sciences 739-8521 1-7-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-6316

(Caution)

- The selection for April 2024 admission will be suspended for the following Programs:

Mathematics Program / Physics Program / Earth and Planetary Systems Science Program / Chemistry Program / Applied Chemistry Program / Chemical Engineering Program / Electrical, Systems, and Control Engineering Program / Mechanical Engineering Program / Transportation and Environmental Systems Program / Architecture Program / Civil and Environmental Engineering Program / Informatics and Data Science Program / Smart Innovation Program / Quantum Matter Program / Transdisciplinary Science and Engineering Program (Development Science)

The selection for April 2024 admission will be held in B Term for all the Programs. For the details, please refer to the Application Guidebook released in November 2023 (planned).

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

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



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 14, 2023 - Friday, July 21, 2023	A day between Monday, July 31, 2023 and Friday, August 25, 2023, specified by the head of the Program.	Oral Examination	Planned to be 12:00-, Friday, September 1, 2023

(Caution)

Specific schedule of the entrance examination will be notified by the respective Programs.

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 (basic policy and evaluation criteria) respectively.

4. Application Procedure

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

Refer to the procedure 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 mail, the documents must be sent in a registered mail and reach us no later than 17:00; Friday, July 21. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, July 19.

5. Result Announcement

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

(We do not answer any inquiry via phone.)

IV Application Eligibility

1. Application Eligibility

Those who meet or are expected to meet by September 30, 2023 for October 2023 admission, and by March 31, 2024 for April 2024 admission either of the following criteria.

- (1) A person who has a master's degree or a professional degree
 - (2) A person earned a degree equivalent to a master's degree or a professional degree in a foreign country
 - (3) A person who studied the class subjects provided by a foreign school as a correspondence course in Japan and earned a degree equivalent to a master's degree or a professional degree
 - (4) A person who completed an education course in Japan provided by a foreign education institute which is established as a graduate course within the school education system in the concerned foreign country and has been separately specified by the Minister of Education, Culture, Sports, Science and Technology (MEXT), and earned a degree equivalent to a master's degree or a professional degree.
 - (5) A person who completed an education course of the United Nations University and earned a degree equivalent to a master's degree
 - (6) A person who completed an education course of a foreign school, an education institute defined in the item (4) above, or the United Nations University, passed the examination and qualification defined in the item 2 of Article 16 of the Graduate School Establishment Standards, and has been approved as having academic abilities equivalent or superior to those of master's degree holders
 - (7) A person who has been specified by MEXT (Notification of the Ministry of Education, Culture, Sports, Science and Technology, No. 118 of September 1, 1989);
 - (a) has been engaged in research activities in a university or a research institute for two years or more after graduating from a Japanese university, and has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree holders according to the results of the concerned research activities or
 - (b) has been engaged in research activities in a university or a research institute for two years or more after completing a 16-year school education course in a foreign country or studying the class subjects provided by a foreign school as a correspondence course in Japan to complete the 16-year school education course in the concerned foreign country, and has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree holders according to the results of the concerned research activities
 - (8) A person who has been approved by the Graduate School as having academic abilities equivalent or superior to those of master's degree or professional degree holders according to the result of the examination that was separately conducted, and is 24 years or older.
- (Caution) The applicant who falls under either of the criteria (7) or (8) above is subject to a preliminary evaluation of the application eligibility (refer to the "2. Preliminary Evaluation").

2. Preliminary Evaluation

(1) Preliminary Examination

The applicant who falls under either of the application eligibility (7) or (8) above must follow the procedures below and pass a preliminary evaluation of the application eligibility.

a) Application Period

Monday, June 26, 2023 - Friday, June 30, 2023 no later than 17:00

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

b) Application Documents

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

	Document name	Note
a	Application Form for Preliminary Evaluation	Use the specified form to prepare.
b	Record of Application Eligibility Evaluation	Use the specified form to prepare.
c	Academic transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.

d	Certificate of graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents:</p> <table border="1"> <thead> <tr> <th>Graduate</th> <th>Prospective Graduate</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">*</td> <td style="text-align: center;">*</td> </tr> </tbody> </table> <p>*: Obtain the document through " (CHSI)". There should be 15 or more days left until the expiration date of the online verification at the time of its submission. https://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	*	*
Graduate	Prospective Graduate					
*	*					
e	Research Achievements	Use the specified form to prepare.				
f	List of Research Achievements	Use the specified form to prepare.				
g	Reasons for Application	Use the specified form to prepare.				
h	Research Plan	Use the specified form to prepare.				
i	Return envelope	Use a standard envelope (12cm×23.5cm in size) and fill out your address and name; affix a 344-yen stamp to the front.				

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

- (2) The results of the preliminary evaluation will be notified to the applicants by Tuesday, July 11, 2023.
- (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".

V Application Documents and Selection Process

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

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

Program	Category	Page(s) to be referred
Mathematics Program	Science Programs	Pages 14 to 15
Physics Program		
Earth and Planetary Systems Science Program		
Chemistry Program		
Applied Chemistry Program	Engineering Programs & Informatics and Data Science Program	Pages 16 to 17
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		Pages 18 to 19
Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences, Development Science)		Pages 20 to 21

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 Offices indicated in the section “II Programs and Number of Students to be Admitted”. Download the specified forms (4) from the website of the Graduate School of Advanced Science and Engineering.

No	Document name	Note				
1	Academic Transcripts of the Undergraduate School	Issued by the president of the university or the dean of the undergraduate school the applicant attended.				
2	Academic Transcripts of the Graduate School	Issued by the president of the university (the dean of the graduate school) from which the applicant graduated.				
3	Certificate of Graduation or Certificate of Expected Graduation	<p>Issued by the president of the university or the dean of the graduate school which you have graduated.</p> <p>The applicant who graduated or is expected to graduate from the Graduate School of Science of Hiroshima University (Master Course) need not submit this document.</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 style="text-align: center;">*</td> <td style="text-align: center;">*</td> </tr> </tbody> </table> <p>*: Obtain the document through " (CHSI)". There should be 15 or more days left until the expiration date of the online verification at the time of its submission. https://www.chsi.com.cn/xlcx/bgys.jsp</p>	Graduate	Prospective Graduate	*	*
Graduate	Prospective Graduate					
*	*					
4	Master's thesis or Summary of Master's thesis	<p>Copy of Master's thesis</p> <p>Applicants scheduled to complete the master's program: a summary of their master's thesis (in the specified form printed on about two sheets)</p>				
5	Return Envelope	Use a standard envelope (12cm×23.5cm in size) and fill out your address and name; affix a 94-yen stamp to the front (for sending the Examination Card).				

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

(Caution 2) The applicant who has successfully passed a preliminary evaluation of application eligibility need not submit the document No. 1, 2 and 3 above.

2. Selection Process

(1) Basic Policy

Academic abilities (based on the oral examination (including the final defense of Master's thesis)) and the academic transcript will be comprehensively evaluated.

○Mathematics Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the master's course and whether applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an oral examination is given to the applicant. Admission to the course is determined by comprehensively evaluating the result of the oral examination, master's thesis, and the academic transcript of the applicant. Oral examination is to evaluate basic knowledge, the ability to understand, think and self-express, and other abilities.

○Physics Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the master's course and whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an academic aptitude examination (oral examination: master's thesis presentation) is given to the applicant. Whether the applicant has the qualities necessary for the Doctoral course is determined based on the academic transcript of the applicant.

○Earth and Planetary Systems Science Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the master's course and whether an applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an oral examination (master's thesis presentation) is given to the applicant. The result of the oral examination is evaluated by a grade-based score. Admission to the course is determined by comprehensively evaluating the result of the examination and the academic transcript of the applicant.

○Chemistry Program

To evaluate whether an applicant has acquired specialized knowledge and foreign language proficiency in the master's course and whether applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an oral examination is given to the applicant. Admission to the course is determined by comprehensively evaluating the result of the oral examination (master's thesis presentation) and the academic transcript of the applicant.

(2) Evaluation criteria

As for the evaluation criteria for the oral examination and document examination, four-level evaluation (A, B, C, D) is performed.

(3) Date and Time of the oral examination

Oral examination will be held for each program during the period indicated in the "1. Schedule of the Entrance Examination" in the section "III. Outline of Entrance Examination". The date and place of the oral examination will be notified to the applicant by each Program.

Engineering Programs & Informatics and Data Science Program

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

1. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the relevant Support Offices indicated in the section "II Programs and Number of Students to be Admitted at Tc 0.04.12jEMC /

(Caution 3) The applicant who has graduated from “School of Engineering, Hiroshima University”, and has graduated (or is expected to graduate) from one of “Engineering Programs & Informatics Data Science Program, Graduate School of Advanced Science and Engineering (Master’s Course), Hiroshima University” or “Graduate School of Engineering (Master’s Course), Hiroshima University” need not submit the document No. 1, 2 and 3 above. The applicant who has graduated from a university other than “School of Engineering, Hiroshima University”, and has graduated (or is expected to graduate) from one of “Engineering Programs & Informatics Data Science Program, Graduate School of Advanced Science and Engineering (Master’s Course), Hiroshima University” or “Graduate School of Engineering (Master’s Course), Hiroshima University” need not submit the document No. 2 and 3 above but needs to submit the document No. 1 above.

2. Selection Process

(1) Basic policy

The results of the oral examination (English-language proficiency, knowledge and problem-solving skills in Specialized subject, questions about Master’s Thesis and Research Achievements) and documents screening will be comprehensively evaluated.

(2) Evaluation criteria

【Oral examination】 Scale of 1 to 4

【Document screening】 Scale of 1 to 4

(3) Date and Time of the oral examination

Oral examination will be held for each program during the period indicated in the "1. Schedule of the Entrance Examination" in the section "III. Outline of Entrance Examination". The date and place of the examination will be notified to the applicant by each Program.

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 (4 and 5) from the website of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note
1	Academic Transcripts of the undergraduate studies	Issued by the president of the university or the dean of the undergraduate school the applicant attended.
2	Academic Transcripts of the graduate studies	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. Issued by the president of the university or the dean of the graduate school the applicant attended or is attending If you are a graduate, make sure that the certificate includes information about your degree. The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following document:
3	Certificate of Graduation or Certificate of Expected Graduation	Graduate Prospective Graduate

(4) Contents of oral Examination

The oral examination will include questions on applicants' Master's thesis presentation and thesis itself for those who have completed or are expected to complete Master's course, or questions on applicants' research achievement presentation and research achievement itself for others.

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, 4 and 7) 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	Research Plan	Use the specified form to prepare. A detailed research plan written in either Japanese or English
3	Copy of Master's Thesis	A copy of master's thesis or academic reports equivalent to master's thesis. If the master's thesis is written in language other than English or Japanese, a summary in English or Japanese must be additionally submitted. Applicants who have not received a Master's degree don't need to submit it.
4	Outline of Master's Thesis	<ul style="list-style-type: none"> • Four(4) A4 pages • Three copies • Use the specified form to prepare. Applicants who have scholarly achievements after acquiring the Master's degree can submit reports on research progress instead of a summary of Master's thesis. Applicants who have not received a Master's degree must submit reports on research progress. An Outline of Master's Thesis or reports on research progress written in either Japanese or English
5	Academic Transcripts	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. If the certificate does not indicate evaluation criteria of grading, submit another document issued by the university that includes the evaluation criteria. Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. If you are a graduate, make sure that the certificate includes information about your degree. The applicant who graduated or is expected to graduate from a university in
6	Certificate of Degree Awarded or Certificate of (Expected) Graduation	

7	Approval for Entrance Examination	The applicant who is currently enrolled in a graduate school	Use the specified form to prepare. The applicant who is enrolled in another graduate school must submit a letter of approval for taking the entrance examination issued by the president of the university or the dean of the graduate school
		The applicant who works in private company, international organization, governmental organization, local government, or educational organization	Use the specified form to prepare. The applicant who currently works in private company, international organization, governmental organization, local government, or educational organization and wishes to enroll in our graduate school while in service must submit a letter of approval for taking the entrance examination issued by the organization.
8	Japanese Government (MEXT) Scholarship Certificate	Only for Japanese Government (MEXT) Scholarship recipients	
9	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.	
10	Copy of Residence Card	All international applicants who are residing in Japan at the time of application must submit (double side).	
11	Return Envelope	Use standard envelope (12cm×23.5cm in size) and fill out your address and name; affix a 94-yen stamp to the front (for sending the Examination Card).	

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

(Caution 2) The applicant who has successfully passed a preliminary evaluation of application eligibility need not submit the document No. 2, 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 Oral Examination) will be comprehensively evaluated. The Oral Examination may include a language testing component.

(2) Evaluation criteria

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)

(3) Date and Time of the Oral Examination

Oral Examination will be held for each program during the period indicated in the "1. Schedule of the Entrance Examination" in the section "III. Outline of Entrance Examination". The date and place of the Oral Examination will be notified to the applicant by each Program.

(4) Contents of Oral Examination

Graduates of Master's programs will be interviewed about their Master's thesis, results of previous studies and their proposed plan of study in the Doctoral program. Others will be interviewed about the results of their previous studies and proposed plan of study in the Doctoral program.

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)

Thnp12.6 ()05 (rr)7.1 (o)11.8 (n)1.8 (s)17.1 Tc 0 Tw 9.4-4.318

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 input them.

Step 4: Input your application data into the online application system

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

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

Step 5: Upload your photo

Follow the instruction on the screen and upload a digital photo of yourself. (File format: JPEG)

* The uploaded photo, which will be used for identification at the examination, will be also used for your student ID card after enrollment. Therefore, please be sure to upload your photo that meet the on-screen precautions.

Once uploaded, your photo will not be allowed to be repl.074 Tw o1.6 (t)-11.6 (50e TJ0 Tc5218523 0 Td()TJEMC/P/MCID 43 BDC

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

In the case of submission via mail, the documents must be sent in a registered mail and reach us no later than Friday, July 21. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, July 19.

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

VII Miscellaneous

1. Instruction for Application

(1) Consult with the faculty who is expected to be your academic supervisor about your research theme before applying.

For the information regarding 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 admission approval shall be withdrawn when it is found that the submitted documents contain any false indication.
- (5) 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 26 - Friday, June 30, 2023

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 2023. 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, 2023 to November 30, 2023 for October 2023 admission, and the period from April 1, 2024 to May 31, 2024 for April 2024 admission.
- (5) The result of the application shall be notified within 30 days after the Application for Entrance Examination Result Disclosure is received.

6. Others

- (1) Smoking has been prohibited entirely in all Hiroshima University campuses from January, 2020.
- (2) Hiroshima University has established the university's Rules on Security Export Control in accordance with the Foreign Exchange and Foreign Trade Act, and conducts strict examinations for acceptance of international students, etc. Therefore, please be advised that international applicants may be unable to receive their desired education or conduct their desired research due to the restriction by the above regulations.

Application Fees Exemption for Prospective Students to Enter Hiroshima University

Hiroshima University will implement special measures for exemption of Application Fees in AY 2023 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 2023 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 or who were affected in the areas to which the Disaster Relief Act was applied following the “The Torrential Rains in July 2018” and 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/kyuujo/kyuujo_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”.