**Graduate School of Advanced Science and Engineering** 

### (Doctoral Course)

**Division of Advanced Science and Engineering** 

# Special Selection for International Students [For Students Living in Japan] Application Guidebook

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

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November 2023

HIROSHIMA UNIVERSITY

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### 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;
- <sup>(2)</sup> 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 a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using oral examination and the submitted documents.

#### 2. Admission Policy of each Program

#### [Mathematics Program]

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

- ① A strong questing mind for the mathematical truth and an ambition to take a role as a leading researcher in specialized and/or cross-disciplinary research of mathematics;
- ② The will to take the leading role in professional occupations such as researchers, educators, and highly-professional 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 wide range of academic knowledge and study skills for the academic areas related to mathematics as well as a wide range of intelligence; and
- 4 Common sense as a member of society and ethics required for researchers.

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.

#### [Physics Program]

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

- ① The will to work in the frontier field in areas of physics based on the point of view of researchers in the internationally top level;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers, educators, and highly-professional engineers in areas related to physics based on the basic knowledge of cutting edge physics;
- 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 physics 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.

#### [Earth and Planetary Systems Science Program]

The Earth and Planetary Systems Science Program seeks students who have the following aspirations and motivation and have a good grounding in relevant subjects:

- ① An ambition for acquiring advanced expertise and research techniques related to the earth and planetary systems science to take the leading role in advanced and prominent research activities;
- ② The will to take the leading role in professional occupations such as researchers educators, and highly-professional 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 highlyprofessional 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;

- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and highlyprofessional 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;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and highlyprofessional 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 The will to take the leading role in professional occupations such as researchers and highly-professional engineers in mechanical engineering areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring wide range of academic knowledge and study skills for the academic areas related to the mechanical engineering as well as a wide range of intelligence; and
- (4) Common sense 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.

#### [Transportation and Environmental Systems Program]

The Transportation and Environmental Systems 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;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and engineers in areas of the transportation system engineering or the environmental system engineering;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring wide range of academic knowledge and

study skills for the academic areas related to the transportation system engineering and the environmental system engineering as well as a wide range of intelligence; and

(4) Common sense 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.

#### [Architecture Program]

The Architecture 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;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and highlyprofessional engineers in architecture areas;
- ③ A zeal for establishing the "science for sustainable development" from a multifaceted perspective and for solving regional and international issues by acquiring wide range of academic knowledge and study skills for the academic areas related to architecture 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.

#### [Civil and Environmental Engineering Program]

The Civil and Environmental 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;
- <sup>(2)</sup> 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;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and highlyprofessional 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 An ambition for taking the leading role in advanced and prominent academic and inter-disciplinary research;
- <sup>(2)</sup> The will to take the leading role in professional occupations such as researchers and highlyprofessional 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;
- <sup>(2)</sup> 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.

#### Programs and Number of Students to be Admitted Π

The Division of Advanced Science and Engineering of Graduate School of Advanced Science and Engineering in Hiroshima University will accept applicants in Special Selection for International Students [For Students Living in Japan] for April 2024 admission to the Doctoral Course as indicated below.

Division	Program	Capacity	Admission Capacity	Contact Submission Address for Application Documents
1	Mathematics ProgramPhysics ProgramEarth and Planetary SystemsScience ProgramChemistry ProgramApplied Chemistry Program	121		Support Office for the fields of Science 739-8526 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7309, 4468
Division of Advanced Science and Engineering	Chemical Engineering Program Electrical, Systems, and Control Engineering Program Mechanical Engineering Program Transportation and Environmental Systems Program		Several students	Support Office for the fields of Engineering 739-8527
nce and Engineering	Architecture Program Civil and Environmental Engineering Program Informatics and Data Science Program Smart Innovation (Applied Chemistry) Smart Innovation (Electrical, Systems, and Control Engineering)			1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518, 7519
(Caution)	Quantum Matter Program			Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009

(April 2024 Admission)

(Caution)

• The selection for April 2024 admission will be suspended for Transdisciplinary Science and Engineering Program (Environmental and Natural Sciences) and Transdisciplinary Science and Engineering Program (Development Science). Consult with the faculty who is expected to be your academic supervisor about your research theme

before applying.

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

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



### **III** Outline of Entrance Examination

Application Period	Date of the Entrance Examination	Examination Subject	Examination Result Announcement
Friday, January 5, 2024 – Thursday, January 11, 2024	A day between Monday, January 15, 2024 and Friday, February 2, 2024, specified by the head of each Program.	Oral Examination	Planned to be 12:00-, Wednesday, February 14, 2024

#### 1. Schedule of the Entrance Examination

(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 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 the 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, Thursday, January 11. The documents received after this time shall be accepted only when it is postmarked no later than Tuesday, January 9.

#### 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 January 17, 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 March 31, 2024 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 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 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 "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, December 4, 2023 - Friday, December 8, 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.

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.

с	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	Ine uncertained photocopy will not be decepted.         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.         The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents:         Graduate       Prospective Graduate         • 教育部学历证书电子注册备案表*       • 教育部学籍在线验证报告*         • 学士 (硕士) 学位证书       • 毕业预定证书         *: 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. https://www.chsi.com.cn/xlcx/bgys.jsp	
e	Research Achievements	Use the specified form to prep	are.
f	List of Research Achievements	Use the specified form to prep	are.
g	Reasons for Application	Use the specified form to prepare.	
h	Research Plan	Use the specified form to prepare.	
i	Return EnvelopeUse a standard envelope (12cm×23.5cm in size) and fill or your address and name; affix a 344-yen stamp to the front.		$m \times 23.5$ cm in size) and fill out

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

- (2) The results of the preliminary evaluation will be notified to the applicants by Monday, December 25, 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		
Physics Program	Solon oo Dro groma	Decce 12 to 14
Earth and Planetary Systems Science Program	Science Programs	Pages 13 to 14
Chemistry Program		
Applied Chemistry Program		
Chemical Engineering Program		
Electrical, Systems, and Control Engineering Program		
Mechanical Engineering Program		
Transportation and Environmental Systems Program	Engineering Programs &	
Architecture Program	Informatics and Data	Pages 15 to 16
Civil and Environmental Engineering Program	Science Program	
Informatics and Data Science Program		
Smart Innovation Program (Applied Chemistry)		
Smart Innovation Program (Electrical, Systems, and Control Engineering)		
Quantum Matter Program		Pages 17 to 18

### 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". Download the specified form (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 univ school the applicant attended or is a	versity or the dean of the graduate attending.	
3	Certificate of Graduation or Certificate of Expected Graduation	Issued by the president of the univ school the applicant attended or is a The applicant who graduated or Graduate School of Science of Hiro need not submit this document. The applicant who graduated or university in China (excluding the Macao) is required to submit the for Graduate ·教育部学历证书电子注册备案表* ·毕业证书 ·硕士学位证书 *: Obtain the document through "中	versity or the dean of the graduate attending. is expected to graduate from the oshima University (Master Course) is expected to graduate from a hat in Taiwan, Hong Kong, and illowing documents: <u>Prospective Graduate</u> ·教育部学籍在线验证报告* ·毕业预定证书 中国高等教育学生信息网(CHSI)". ys left until the expiration date of e of its submission.	
4	Master's Thesis or Summary of Master's Thesis	Copy of Master's thesis Applicants scheduled to complete the master's program: a summary of their master's thesis (in the specified form printed on about two sheets)		

(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

OMathematics Program

The academic aptitude of an applicant is evaluated by a presentation of his/her master's dissertation and an oral examination. The academic aptitude examination evaluates whether the applicant is inspired to carry out research after admission, and whether he/she has acquired the basic academic abilities necessary for carrying out research in the field he/she will specialize in. If the applicant has published an academic paper, the content of the paper is also evaluated at the time when his/her academic transcript is evaluated. Admission to the course is determined based on a comprehensive review of the result of the academic aptitude examination and these evaluations.

#### **OPhysics Program**

To confirm whether an applicant has acquired specialized knowledge and linguistic ability in the master's program and to evaluate whether the applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an academic aptitude examination (oral) is

given to the applicant. Whether the applicant has the qualities necessary for the Doctoral Program is determined based on the academic transcript of the applicant.

#### OEarth and Planetary Systems Science Program

To evaluate whether an applicant can engage in academic activities in accordance with the Curriculum Policy of the course, an oral examination 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.

#### OChemistry Program

The admission of a foreign applicant is determined by comprehensively evaluating the result of the academic aptitude examination (oral) and the academic transcript of the applicant. The academic aptitude of an applicant is evaluated by a presentation of his/her master's dissertation and an oral examination.

#### (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 during the period described in "1. Schedule of the Entrance Examination" in "III Outline of Entrance Examination". Specific schedule 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 Office indicated in the section "II Programs and Number of Students to be Admitted". Download the specified forms (4 to 9) from the website of the Graduate School of Advanced Science and Engineering.

No	Document Name	Note	
1	Academic Transcript of the Undergraduate School	Issued by the president of the university or the dean of the undergraduate school the applicant attended.	
2	Academic Transcript of the Graduate School	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending.	
3	Certificate of Graduation or Certificate of Expected Graduation	Issued by the president attended or is attending.         Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. The certificate must indicate that you were conferred a master's degree.         The applicant who falls under the application eligibility (2) to (6) above must submit the document which proves that the applicant meets the condition specified by the respective items.         The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents:         Graduate       Prospective graduate         • 教育部学历证书电子注册备案表*       • 教育部学籍在线验证报告*         • 操业证书       • 毕业预定证书         • 硕士学位证书       • 毕业预定证书         *: 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.         https://www.chsi.com.cn/xlcx/bgys.jsp	
4	Letter of Recommendation	Use the specified form to prepare. Issued by the last academic supervisor or the head of the institution to which the applicant belongs.	
5	Research Plan	Use the specified form to prepare.	
6	Summary of Master's Thesis	Use the specified form to prepare. The applicant who has passed through the master's course must indicate summary of the master's thesis. The applicant who is preparing the master's thesis must indicate the intermediate report of the master's thesis.	
7	Research Achievements	Use the specified form to prepare.	
8	List of Research Achievements	Use the specified form to prepare.	
9	Personal History	Only for the applicant has graduated from a foreign university. Use the specified form to prepare.	
10	Copy of Residence Card	If your address is written on the back side of the card, make a two- sided copy.	

#### (Caution)

- (1) Attach the English or Japanese translation to the application documents written in the original language other than English or Japanese.
- (2) The applicant who has successfully passed a preliminary evaluation need not submit the documents No.1, 2, 3, 7, 8 and 9 above.

#### 2. Selection Process

(1) Basic Policy

The results of the oral examination (English-language proficiency, knowledge and problem-solving skills in Specialized subject in the area of desired Program, presentation of Master's Thesis (only for the applicant who has passed through the master's course), and questions about Research Achievements and Research Plan) and document screening will be comprehensively evaluated.

(2) Evaluation Criteria

[Oral examination] Scale of 1 to 4 [Document screening] Scale of 1 to 4

#### (3) Date of 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 (5 to 8) from the web site of the Graduate School of Advanced Science and Engineering.

No	Document Name	ame 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 SchoolIssued by the president of the university or the dean of the graduate school the applicant attended or is attending.		
3	Certificate of Graduation or Certificate of Expected Graduation	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending.         If you have completed a Master's course, please make sure that the certificate includes information about your degree.         The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is required to submit the following documents:         Graduate       Prospective Graduate         • 教育部学历证书电子注册备案表*       • 教育部学籍在线验证报告*         • 使业证书       • 毕业预定证书         *: 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.         https://www.chsi.com.cn/xlcx/bgys.jsp	
4	One Copy of the master's Thesis	The applicant who fall under the application eligibility (1)	
5	Research Plan	Use the specified form to prepare. (600 words or longer)	
6	Research Achievements	Use the specified form to prepare.	
7 List of Research Achievements		Use the specified form to prepare.	
8 Letter of Recommendation		Use the specified form to prepare. Signed by the applicant's academic supervisor or equivalent in the university which the applicant is currently enrolled in or has graduated from.	
9	Certificate of English language Proficiency		
10	Certificate of the Graduate Record Examinations (GRE) (voluntarily submitted)	Submit the certificate of GRE, if any.	
11	A Copy of Residence Card	If the applicant's address is written on the back side of the card, please make a both sided copies.	

#### (Caution 1)

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

(Caution 2)

The applicant who has successfully passed a preliminary evaluation of the application eligibility need not submit the document No. 1, 2, 3, 6 and 7 above.

#### 2. Selection Process

(1) Basic policy

The results of the oral examination and the submitted documents will be evaluated totally to determine successful applicants.

(2) Evaluation criteria

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

(3) Date and Time of the oral examination

Oral examination will be held during the period described in "1. Schedule of the Entrance Examination" in "III. Outline of Entrance Examination". Specific schedule of the oral examination will be notified to the applicant by each Program.

(4) Oral Examination

The oral examination will be given for areas listed below:

- ① Reason for application
- ② Research area and research plan for the Doctoral Course
- ③ Master's thesis
- ④ Basic knowledge in the area in which the applicant wants to conduct the research activities

## **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 of (1), (2), and (3) listed in the "1. Application Method" during the application period.

Friday, January 5, 2024 – 17:00, Thursday, January 11, 2024

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, Thursday, January 11. The documents received after this time shall be accepted only when it is postmarked no later than Tuesday, January 9.

#### 3. Application via Internet

• Inquiry regarding the system

Online Application Help Desk (Japanese Speaking Only)
Inquires accepted from 10:00 to 18:00 (Except from December 30 to January 3)
Tel: 03-5952-3902
UCARO Support Office (Japanese Speaking Only)
Inquires accepted from 10:00 to 18:00 (Except from December 30 to January 3)
Tel: 03-5952-2114

 $\bigcirc$  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 (closed on Saturday, Sunday, and national holidays)

\* Please note that it is required to include the area code to dial if you call from the following areas, even when you call from an area of the same area code as that of the inquiry contact.

(Areas in Hiroshima City, Fuchu Town, Kaita Town, Kumano Town, and Saka Town)

 $\bigcirc$  Complete the following 8 steps during the application period.

#### Step 1: Access the online application system

Access the following website:

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 system is required for application (free of charge). Hiroshima University uses the system of UCARO for checking the examinee'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 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, telephone number, email address, etc. accurately.

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".

\* Your personal information registered through the online application system will be used for the following purposes.

1. Carry out entrance examinations and screening.

2. Notify and send the screening results.

3. Send documents for enrollment procedures to successful applicants.

4. Send information before and after admission.

5. Create student registration data and Student ID-Cards.

6. Receive application fees.

7. Check the access status to the Service.

In addition, it may be used to create entrance examination statistical data in a form that does not identify individuals.

#### 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 <u>used for your</u> <u>student ID card after enrollment</u>. Therefore, please be sure to upload your photo that meet the on-screen precautions.

Once uploaded, your photo will not be allowed to be replaced.

A fee of JPY 1,000 will be charged for changing the content of your student ID card (photo and your name) after enrollment.

#### Step 6: Payment of entrance application fee (JPY 30,000)

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

- 1. Credit card: VISA, MasterCard, JCB, AMERICAN EXPRESS, Diners Club
- 2. Convenience store: 7-Eleven, LAWSON, MINISTOP, FamilyMart, Daily Yamazaki, and Seicomart
- 3. ATM of a financial institution [Pay-easy]

4. Net banking

(Caution)

- The applicant has to pay the charge for use of the online application system (1,000 yen per application) in addition to the entrance application fee.
- MEXT Scholarship students who have applied for (or intend to apply for) extension of scholarship payment period are exempted from the entrance application fee. Those students who are enrolled in the university other than Hiroshima University at the time of application are required to submit the following two documents;

(1) MEXT Scholarship Certificate

- (2) The document which proves that the applicant has applied for (or intends to apply for) extension of scholarship payment period (must be issued by the university the applicant is enrolled in).
- The entrance application fee once paid will not be returned for any reason after the application is accepted except for the following cases of (1) or (2).

In either case of (1) or (2), the entrance application fee once paid will be returned after deducting the transfer fee from it. "Refunded Invoice for Entrance Examination Fee" will be sent to you. Fill in the required information, put your personal seal, and mail it back to the respective Support Offices listed in the section "II Programs and Number of Students to be Admitted" before Thursday, February 22, 2024.

The charge for use of the online application system will not be repaid for any case.

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

#### Step 7: Initial registration process complete (Your application is NOT completed yet.) Write down the application number of six digits shown on the screen.

#### Step 8: Deliver or mail the application documents

Deliver or mail your application documents specified by the Program to the 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 (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 Thursday January 11. The documents received after this time shall be accepted only when it is postmarked no later than Tuesday, January 9.

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

### VII Miscellaneous

#### **1. Instruction for Application**

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

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

URL: https://www.hiroshima-u.ac.jp/en/adse/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 for Quantum Matter Program will be used for the following purposes.
  - ① Entrance examination
  - 2 Statistics and analysis of English-language proficiency of applicants
- (5) The admission approval shall be withdrawn when it is found that the submitted documents contain any false indication.
- (6) The admission approval shall be withdrawn when the applicant who was expected to meet any of the application eligibilities at the time of application has failed to earn the expected degree or complete the expected school before the date of admission.

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

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

- A. Period for the consultation: Monday, December 4 Friday, December 8, 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 admission procedures. After the enrollment, Hiroshima University will manage the information for the purposes of student support (e.g. application for scholarship and tuition exemption) and investigation & research activities (e.g. improvement of the entrance examination system,

investigation and analysis on the trend of application). We neither use the information for the other purpose nor provide it to the person other than our concerned faculties and the staff.

#### 4. Admission Procedure

- (1) Documents for admission procedure
  - The documents will be sent after the selection result is announced.
  - UCARO system is used as a part of the admission procedures.
- (2) Fee

A: Enrollment fee: 282,000 yen

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

- ① The enrollment fee once paid will not be returned for any reason.
- <sup>(2)</sup> 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 for each subject (including the results of the 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 Examination Card for identification.

- (4) The "Application for Entrance Examination Result Disclosure" will be accepted during the period from April 1, 2024 to May 31, 2024.
- (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 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/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 application procedures for-Application Fees Exemption.pdf

8. Inquiries

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