

April 2025 admission (C Term)

Graduate School of Advanced Science and Engineering

(Master's Course)

Division of Advanced Science and Engineering

General Selection Application Guidebook

**Applied Chemistry Program
Smart Innovation Program (Applied Chemistry)
Quantum Matter Program**

September 2024



HIROSHIMA UNIVERSITY

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Admission Policy

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

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

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

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, written, and/or external examinations.

2. Admission Policy of each Program

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

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, written, and/or external examinations.

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

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, written, and/or external examinations.

[Quantum Matter Program]

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

- ① A desire to pursue professional careers as researchers and engineers in fields such as fundamental

material science, condensed matter physics, materials science and engineering, and electronic engineering.

- ② An ambition to acquire knowledge and skills in the aforementioned areas, regardless of prior experience or background before university enrollment.
- ③ A desire to establish new businesses while exploring scientific truths and applying academic findings.
- ④ A passion for advancing the "science for sustainable development" from diverse perspectives, and addressing regional and international challenges through knowledge and academic skills in areas related to fundamental material science, condensed matter physics, materials science and engineering, electronic engineering, and other broad intellectual domains.
- ⑤ The common sense and ethical standards expected of a responsible member of society.

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

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 April 2025 admission to the Master's Course as indicated below.

【April 2025 Admission (C Term)】

Division	Program	Capacity	Admission capacity	Venue for examination	Contact Submission address for application documents
Division of Advanced Science and Engineering	Applied Chemistry Program	436	Several students	School of Engineering and the Advanced Science Research Building, Hiroshima University	Support Office for the fields of Engineering 739-8527 1-4-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7518, 7519
	Smart Innovation Program (Applied Chemistry)				Support Office for the fields of Science (AdSM) 739-8530 1-3-1 Kagamiyama, Higashi-Hiroshima Tel: 082-424-7008, 7009
	Quantum Matter Program				

(Caution)

- The specific venue of the entrance examination will be notified after the application.
- 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

1. Schedule of the Entrance Examination

Application period	Date of the entrance examination	Examination subject	Examination result announcement
Friday, November 1, 2024 – Friday, November 8, 2024	Applied Chemistry Program / Smart Innovation Program (Applied Chemistry) : 9:30-, Friday, December 6, 2024	Oral Examination	Planned to be 12:00-, Monday, December 16, 2024
	Quantum Matter Program : 9:00-, Friday, December 6, 2024		
	(Preliminary day: Saturday, December 7, 2024)		

(Caution)

- Dates and time listed above are represented in Japan Standard Time (JST).
- In the difficult case of carrying out the entrance examination because of bad weather, epidemic, etc., the entrance examination may be held on the preliminary day. Postponement of the examination, extension of the starting time of the examination and so forth will be notified on the website of the Graduate School of Advanced Science and Engineering (<https://www.hiroshima-u.ac.jp/en/adse>).

2. Application Eligibility

Refer to the section " Application Eligibility".

3. Application Documents and Selection Process

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

4. Application Procedure

- (1) Your application will be accepted via internet during the application period.
Refer to the procedure described in the section " Application Procedure".
- (2) Deliver or mail your application documents specified by each Program to the respective Support Offices listed in the section " 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, November 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, November 6.

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 " Application Procedure") after 12:00 on November 14, 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, 2025 either of the following criteria.

- (1) A person who graduated from a university or college.
- (2) A person who earned a bachelor's degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education according to the provision of Section 7 of Article 104 of School Education Act (Act No. 26 of 1947), or is expected to be conferred (Hereinafter referred to as "Expected graduate").
- (3) A person who completed a 16-year school education course in a country other than Japan.
- (4) A person who studied the class subjects provided by a foreign school as a correspondence course in Japan and, as a result, completed the 16-year school education course in the concerned foreign country.
- (5) A person who completed an education course in Japan provided by a foreign education institute which is established as an undergraduate course (limited to that for which the person who completed the course is regarded as having completed the 16-year school education course in the concerned foreign country) within the school education system in the concerned foreign country and has been separately specified by the Minister of Education, Culture, Sports, Science and Technology (MEXT).
- (6) A person who earned a degree equivalent to a bachelor's degree after completing a course of which the term is 3 years or longer (including a person who studied the class subjects provided by a foreign school as a correspondence course in Japan and completed the concerned education course; and a person who completed the education course in Japan provided by a foreign education institute which is established within the school education system in the concerned foreign country and is specified in the item (5) above) in a university or the other school in a foreign country, which has been evaluated for the comprehensive conditions of the education and research activities by a person who is authorized by the government or the concerned institutions of the concerned foreign country, or has been separately specified as equivalent by MEXT.
- (7) A person who completed, after the date specified by MEXT, the specialized course of a specialized training college (limited to that meets the criteria specified by MEXT, such as its term is 4 years or longer) which is separately specified by MEXT.
- (8) A person who has been specified by MEXT (as defined in the Notification of Ministry of Education, No. 5 of 1953: e.g. a person who graduated from a university established under the University Ordinance in 1886 or a college established under a law stipulated for the concerned government agency regarding its establishment such as the act for establishment, order for organization, and individual law for the Incorporated Administrative Agencies).
- (9) A person who wishes to transfer to the Graduate School after once entering other graduate school according to Section 2 of Article 102 of the Act and has been approved by the Graduate School as having academic abilities required for the education in the Graduate School.
- (10) A person who has been approved by the Graduate School as having academic abilities equivalent or superior to those of bachelor degree holders according to the result of the examination that was separately conducted, and is 22 years or older.
- (11) A person who is expected to be enrolled in a university for 3 years or longer at the end of March 2025, and has been approved by the Graduate School as having obtained the required credits with excellent marks and has satisfied both of the following requirements a) and b) at the time of application:

a) Obtained credits

Applied Chemistry Program Smart Innovation Program (Applied Chemistry)	Expected to have taken all possible required courses for graduation at the end of March 2025 * Should satisfy the requirement above at the time of the application for Preliminary Evaluation (refer to the "2. Preliminary Evaluation").
Quantum Matter Program	Expected to have taken all possible required courses and has obtained 80% or more of the required credits for graduation at the end of March 2025

b) Academic grades

Applied Chemistry Program Smart Innovation Program (Applied Chemistry)	Grades of three-quarters or more of credits regarding the specialized subject should be "A" or better (80 marks or more out of 100)
Quantum Matter Program	Grades of 90% or more of total obtained credits should be "A" or better (80 marks or more out of 100)

(Caution) The applicant who falls under any of the criteria (9), (10), (11) above is subject to a preliminary evaluation of the application eligibility (refer to the "2. Preliminary Evaluation").

2. Preliminary Evaluation

(1) Preliminary Evaluation

The applicant who falls under any of the application eligibility (9), (10), (11) above must follow the procedures below and pass a preliminary evaluation of the application eligibility.

a) Application Period

Tuesday, October 15, 2024 - 17:00, Monday, October 21, 2024

(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

Submit all the documents listed below at once during the application period to the respective Support Offices indicated in the section " Programs and Number of Students to be Admitted".

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

【The applicant who falls under the application eligibility (9) above】

Download the specified forms (a, b and c) 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	Reasons for Application	Use the specified form to prepare.
d	Research Plan	Must use A4 sized paper; free format. Attach a list of research achievements, if any.
e	Academic Transcript	Issued by the president of the university or the dean of the faculty from which the applicant has graduated. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
f	Certificate of Enrollment or Graduation from a Graduate School	Issued by the president of the university or the dean of the graduate school the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.
g	Return Envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 410-yen stamp to the front.

【The applicant who falls under the application eligibility (10) above】

Download the specified forms (a, b, c and g) from the website of the Graduate School 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	Reasons for Application	Use the specified form to prepare.

d	Research Plan	Use A4 sized sheets; Any format is acceptable. Attach a list of research achievements, if any.				
e	Academic Transcript	Issued by the president of the university the applicant attended or is attending. The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.				
f	Certificate of Graduation	<p>Issued by the president of the university 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" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Graduate</td> <td style="width: 50%; text-align: center;">Prospective Graduate</td> </tr> <tr> <td style="text-align: center;">*</td> <td style="text-align: center;">*</td> </tr> </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					
*	*					
g	Certificate of Past Research	Only for the applicants who conducted research as a research student or a researcher for over 1 year at a research institute (university or a joint use facility) either in Japan or a foreign country. Use the specified form to prepare.				
h	Return Envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 410-yen stamp to the front.				

【The applicant who falls under the application eligibility (11) above】

Download the specified forms (a, b, and e) 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	<p>Use the specified form to prepare.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is also required to submit the following documents:</p> <p style="text-align: center;">*</p> <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>
c	Academic Transcript	Issued by the president of the university or the dean of the faculty the applicant is attending.

d Letter of Acceptance to be filled in

f	Desired Research Field and List of Research Achievements	Describe your desired research field and research plan in the graduate school, within 200 words using A4-size sheet. Attach a list of research achievements, if any. (Any format is acceptable.)
g	Copy of Course Handbook of Currently Enrolled School or Department	Only for the applicant who is currently enrolled in a university other than Hiroshima University
h	Return Envelope	Use a standard envelope (12cm 23.5cm in size) and fill out your address and name; affix a 410-yen stamp to the front.

(2) The results of the preliminary evaluation will be notified to the applicants by Tuesday, October 29, 2024.

(3) The applicant who has successfully passed a preliminary evaluation must submit the application documents (except the ones which have been already submitted in a preliminary evaluation) specified for each Program. Refer to the respective pages listed in the section " Application Documents and Selection Process".

Note for the applicant who falls under the application eligibility (11) above

The applicant who falls under the criteria (11) above should inform the office and academic staff in charge of student support (a tutor in case of Hiroshima University) about applying for this selection and confirm about the necessary procedures to enroll in the graduate school after passing the selection.

Please be aware that, if you do not complete the necessary procedures, you may be disadvantaged such as not being able to enroll.

After successfully passing the selection, if you will not satisfy any of the required conditions stipulated in the "Application Eligibility" by March 2025, your qualification of admission will be cancelled.

If the applicant who took this selection under the criteria (11) is admitted to master's course of our graduate school, the school record as an undergraduate student will be registered as "withdrawn". (Please confirm the necessary procedures for withdrawal at the currently enrolled university.) Therefore, please be aware that such an applicant is not eligible for taking some national qualification tests and other examinations that require graduation from an undergraduate school.

3. Application Requirements

Those who apply for Applied Chemistry Program and Smart Innovation Program (Applied Chemistry) must meet the application eligibility above and the application requirement below.

◆The applicant who falls under any of the application eligibility (1) to (10) above

The applicants must meet either of the following requirements.

- ① Able to submit a score certificate of the English-language proficiency examination which was held in the period from May 2022 to the time of application such as TOEIC® L&R (score 450 or above), TOEFL®-ITP (score 457 or above), TOEFL®-iBT (score 44 or above), IELTS Academic (score 4.0 or above) or Cambridge English Qualifications (score 140 or above) at the time of application; or
- ② Able to submit a certificate indicating that the applicant has received a higher education in English.

◆The applicant who falls under the application eligibility (11) above

The applicants must be able to submit a score certificate of the English-language proficiency examination which was held in the period from May 2022 to the time of application such as TOEIC® L&R (score 500 or above), TOEFL®-ITP (score 470 or above), TOEFL®-iBT (score 52 or above), IELTS Academic (score 4.5 or above) or Cambridge English Qualifications (score 150 or above) at the time of application.

V Application Documents and Selection Process

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

Applied Chemistry Program / Smart Innovation Program (Applied Chemistry)

1. Application Documents

After making the application via internet, submit all the documents listed below at once during the application period to the Support Office indicated in the " Programs and Number of Students to be Admitted". Download the specified forms (4, 7 and 9) from the website of the Graduate School of Advanced Science and Engineering.

No	Document name	Note				
1	Academic Transcript	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending</p> <p>The applicant who graduated or is expected to graduate from the advanced course in a college of technology must submit the academic transcript for both the regular and advanced course.</p> <p>The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.</p>				
2	Certificate of Graduation or Certificate of Expected Graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending.</p> <p>If the certificate does not indicate that you were conferred a bachelor's degree, submit another document that proves it.</p> <p>The certificate must be the original or the certified photocopy. The uncertified photocopy will not be accepted.</p> <p>The applicant who graduated or is expected to graduate from a university in China (excluding that in Taiwan, Hong Kong, and Macao) is 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/xlzx/bgys.jsp</p>	Graduate	Prospective Graduate	*	*
Graduate	Prospective Graduate					
*	*					
3	Certificate of Expected Application for the Conferment of a Bachelor's Degree or Certificate of a Bachelor's Degree	<p>Only for the applicant who falls under the application eligibility (2).</p> <ul style="list-style-type: none"> • Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. • Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education. 				
4	List for the Oral Examination	Use the specified form to prepare.				
5	Score Certificate of English-language Proficiency	<p>Submit either or .</p> <p>The original score certificate of English-language proficiency</p> <p>Submit the original score certificate of either of the following examinations which was held in the period from May 2022 to the time of application. (The submitted score certificate will be returned to the applicant after confirmation).</p>				

		<p>TOEIC® Public Test L&R TOEIC®-IP L&R (including Online Test) TOEFL®- ITP TOEFL®-iBT IELTS Academic Cambridge English Qualifications</p> <p>Certificate indicating that the applicant has received a higher education in English Issued by the president of the university or the dean of the faculty from which the applicant has graduated.</p> <p>* Check " 3. Application Requirements " in the section " Application Eligibility". * As for using the Digital Official Score Certificate for TOEIC®, please inquire of the Support Office.</p>
6	Score Certificate of English-language Proficiency (copy)	If the applicant submits ① as the document No.5 "Score certificate of English-language proficiency," submit a copy of the concerned certificate (in A4 sized paper).
7	Registration of Laboratory Preference for Applicants of Applied Chemistry Program and Smart Innovation Program (Applied Chemistry)	Use the specified form to prepare.
8	Copy of Residence Card	Only for foreign applicants residing in Japan. If your address is written on the back side of the card, make a two-sided copy.
9	Personal History	Only for the applicant who has graduated from a foreign university. Use the specified form to prepare.

(C)

		<p>In addition, a brief written test will be given as a reference of the oral examination, selecting two problems from the following three subjects and solving them:</p> <ol style="list-style-type: none">1. Organic Chemistry (Basic Reactions, Physical Properties, and Chemical Bonds),2. Physical Chemistry (Chemical Equilibrium, Kinetics, etc.),3. Inorganic Chemistry (Structures of Atoms, Molecules, and Solid-State Materials, Properties of Elements, etc.).
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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 “ Programs and Number of Students to be Admitted”. Download the specified forms (4, 5 and 7) from the website of the Graduate School of Advanced Science and Engineering.

No	Document name	Note				
1	Academic Transcript	Issued by the president of the university or the dean of the faculty the applicant attended or is attending.				
2	Certificate of Graduation or Certificate of Expected Graduation	<p>Issued by the president of the university or the dean of the faculty the applicant attended or is attending. 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 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					
*	*					
3	Certificate of Expected Application for the Conferment of a Bachelor's Degree or Certificate of a Bachelor's Degree	<p>Only for the applicant who falls under the application eligibility of (2) in the section " Application Eligibility".</p> <ul style="list-style-type: none"> • Expected graduate: Certificate of expected application for the conferment of a bachelor's degree issued by the president of a college of technology. • Bachelor's degree holder: Certificate of a bachelor's degree issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education. 				
4	Research Plan	Use the specified form to prepare.				
5	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.				
6	Certificate of English language proficiency	<p>Submit either ① or ② of the following certificates.</p> <p>① The original score certificate of English-language proficiency Submit the original score certificate of either of the following examinations which was held in the period from May 2021 to the time of application. (The submitted score certificate will be returned to the applicant after confirmation). Refer to Caution 3 below for details.</p> <p>TOEIC® Public Test TOEIC®-IP (including TOEIC®-IP (Online)) TOEFL®- ITP TOEFL®-iBT</p>				

		IELTS® Cambridge English Qualifications ② Certificate indicating that the applicant has received a higher education in English Issued by the president of the university or the dean of the faculty from which the applicant has graduated.
7	Registration of selected subject for Applicants of Quantum Matter Program	Use the specified form to prepare.
8	Certificate of the Graduate Record Examinations (GRE) (optional)	The applicant who has taken GRE® can submit the certificate. The GRE institution code of Hiroshima University is 2358.

(Caution 1)

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

(Caution 2)

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

(Caution 3)

- ① Quantum Matter Program will use the scores of either of the certificates listed above in place of a written foreign language (English) examination.
- ② The applicant is required to submit, along with other required documents, the original score certificate of either of these examinations. The score certificate is not allowed to be replaced once it has been submitted. The submitted score certificate will be returned to the applicant after confirmation.
- ③ The applicant who is unable to submit the original score certificate during application period must submit, along with other required documents, a document (no specified form) stating that they will submit their score certificate of English language proficiency later. Subsequently the applicant must submit the score certificate by 13:00, Thursday, December 5, 2024 to the Support Office for the fields of Science (1st floor of the Advanced Science Research Building).
- ④ The applicant who wishes to send their score certificate of TOEIC®-IP collectively conducted for all Hiroshima University undergraduate students and does not have their score certificate at hand must contact the Support Office for the fields of Science (AdSM).
- ⑤ The applicant who does not submit their score certificate of English language proficiency will receive 0 (zero) points for English language proficiency evaluation.

2. Selection Process

(1) Basic Policy

Academic abilities (based on the oral examination), English (based on the certificate of English language proficiency), and the submitted documents (e.g., academic transcript) will be comprehensively evaluated.

(2) Evaluation Criteria

【Oral Examination】 Specialized subject (max. 400 points)

Common examination (Three-level evaluation (A, B, C) is performed.)

【English】 max. 100 points (converted from the score certificate of English language proficiency)

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

(3) Examination Schedule

9:00- Friday, December 6

(Caution 1) Dates and time of the examination are represented in Japan Standard Time (JST).

(Caution 2) Oral examination via internet using remote conferencing systems such as Teams or Zoom will be conducted for the applicants residing outside Japan on request. If you wish to do so, please contact your prospective academic supervisor.

(4) Contents of Oral Examination

Field	Examination Subjects
Physics	【Specialized subject】 (oral assessment) <ul style="list-style-type: none">• Classical Mechanics• Electromagnetism• Quantum Mechanics• Statistical Thermodynamics 【Common examination】 Motivation, aptitude for the desired subject of study and basic academic abilities will be evaluated.
Electronic Engineering	【Specialized subject】 (oral assessment) <ul style="list-style-type: none">• Electromagnetism• Electric Circuits• Semiconductor Engineering• Quantum Mechanics 【Common examination】 Motivation, aptitude for the desired subject of study and basic academic abilities will be evaluated.

Please choose and specify either Physic -0 0 103.6 0 T0.003 Tc 0.005 Tw 10.56 -06Td()TjE[(Fe)0ievIPa Tc 0 Tw

VI Application Procedure

1. Application Method

Apply via internet and submit the application documents.

- ① Input the information regarding the application on the website.
- ② Pay the entrance application fee of 30,000 yen.
- ③ Deliver or mail the application documents.

(Caution)

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

2. Application Period

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

Friday, November 1, 2024 - 17:00, Friday, November 8, 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, Friday, November 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, November 6.

3. Application via Internet

- ◆ For inquiries regarding online application system and UCARO website

Help Desk (Japanese Speaking Only)

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

Tel: 03-6634-6494

- For inquiries regarding the entrance examination, refer to the respective Support Offices listed in the section " 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)
- Complete the following 8 steps during the application period.

Step 1: Access the online application system

Access the following web page:

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

Step 2: Select "UCARO Account Registration" on the UCARO log in screen

Account registration for UCARO 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 apply 0163 ((w)6.1 1 Tf=0.045 T404.5 (e)1.f (i)5.39 (A)-5.3 (a)0.6 (i)5.3e(na)0.8 (t)5.3p.4 (or)3.5

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

Follow the instruction on the screen and enter 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 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 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 the payment method for the application fee from among the following options.

For applications from outside Japan, only credit card payments can be accepted.

1. Credit Card (Available both within and outside Japan)
2. Convenience Store, Banking institution ATM Pay-easy ,and Internet banking (NOT available from outside Japan)

(Caution)

In addition to the entrance application fee, applicants need to pay the processing fee for use of the online application system (1,000 yen per application).

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 refunded for any reason.

However, in cases (1) and (2) below, the application fee is refundable after deducting the bank transfer fee. Therefore in such cases, please clearly write the "registration number", "name in kana letters", "name", "phone number", "address", "transfer destination information" and "reason for demand of refund" in the prescribed format given from the university and send it to the respective Support Offices listed in the section " Programs and Number of Students to be Admitted" by Friday, February 21, 2025.

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

- (1) If the application documents have not been submitted, or if they have not been accepted
- (2) If duplicate payments of the entrance application fee have been made in error

Step 7: Initial registration process complete (Your application is NOT completed yet.)

Write down **the Registration Number of six digits** shown on the screen. You can also check the number in the registration completion mail.

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 " 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 Friday, November 8. The documents received after this time shall be accepted only when it is postmarked no later than Wednesday, November 6.

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

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 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 d.3 (on)-15 (t t)5216o (dm)16(t)5.643.05-9.003 To 0501(1)27vAd1o

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

The enrollment fee once paid will not be returned for any reason.

The amounts listed above are as of April 2024. When the amount is revised at the time of admission or while the student is enrolled in the university, it is required to pay the revised amount.

5. Application for Disclosure of Examination Results

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

Item	Disclosed information
Examination score	Points for each subject 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, 2025 to May 30, 2025
- (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 2024 in order to reduce the financial burden of those affected by natural disasters and secure opportunities for prospective students to enter the university.

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

1. Type of Examinations Subject to Exemption

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

2. Details of Exemption

Exemption of Application Fees

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

3. Disasters for Exemption

Any of the disasters that happened in or after August 28, 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 the disasters under “3. Disasters for Exemption” 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 detail()TjEgeais emgeaiwemb