

III Guidelines for Screening for Advancement

(Time of Advancement: October 2023/ April 2024)

1 Eligibility for Application

Okayama University Students who are expected to complete the master's course or masters' program at the graduate school by March 2024, or by September 2023 for applicants for October 2023 Advancement.

2 Application Procedures

1. How to Apply

Applicants for advancement must submit all the “5. Documents Required for Application” to “3. Address for Submission ” during acceptance hours (8:30–17:00) during “2. Application Period”.

(No examination fee is needed. Do not transfer it by mistake.)

Applicants for advancement must, in advance, contact a prospective supervisor who will teach after advancement.

2. Application Period

Examination for October 2023 Advancement	July 31, 2023 to August 1, 2023
Examination for April 2024 Advancement (First Submission Period)	
Examination for April 2024 Advancement (Second Submission Period)	January 29, 2024 to January 30, 2024

When sending documents by mail, they must be sent by “Registered, Express Mail”. Write “Enc. Application Form for Doctor’s Course of Graduate School of Interdisciplinary Science and Engineering in Health Systems” in red on the envelope and send it must arrive by the last day of the above Application Period.

Applicants for advancement must contact a prospective supervisor as early as possible before application to consult about research content, examination content, etc.

3. Address for Submission

Graduate School Section
Academic Affairs Division
Graduate School of Interdisciplinary Science and Engineering in Health Systems
Okayama University
3-1-1, Tsushima-naka, Kita-ku, Okayama 700-8530, Japan
Phone: 086-251-7771

4. Notes on Application

- (1) No change of the contents of the submitted documents shall be permitted after submission.
- (2) No document shall be returned for any reason after the application documents are accepted.
- (3) Application with incomplete application documents shall not be accepted.
- (4) Please note carefully that admission might be withdrawn even after advancement if the contents of the submitted documents are found to include false entries.

5. Documents Required for Application

Documents Required for Application	Remarks
〈1〉 Application for Advancement, Curriculum Vitae (CV) and Admission Ticket for the Examination	Fill out necessary items on the forms prescribed by the Graduate School of Interdisciplinary Science and Engineering in Health Systems personally by the applicant. Affix a photograph (4 cm long × 3 cm wide, upper body, no headwear, facing forward, taken within the three months before application) on the prescribed space on the “Application for Advancement” and the “Admission Ticket for Examination.” Before affixing it, write the name of the intended major course of study and your name on the back of each photograph.
〈2〉 Transcript of Graduate School	Submit a certificate issued by the master’s course (master’s program)
〈3〉 Research Progress Report	Use the form (approx. 2,000 words) prescribed by the Graduate School of Interdisciplinary Science and Engineering in Health Systems.
〈4〉 Research Planning Sheet	Use the form prescribed by the Graduate School of Interdisciplinary Science and Engineering in Health Systems.
〈5〉 Sticker of Address	Fill out the necessary items.
〈6〉 Copy of Card (both sides) or Original copy of Residence Certificate	If you are not a Japanese citizen, please submit following documents for the purpose of confirmation of nationality, name, etc. • A copy of both sides of the residence card or Original copy of Residence Certificate (issued by the city of municipality. The status of residence must be specified) • A copy of passport (the page with your name, nationality, and photo)
〈7〉 Copy of Passport	

6. Purpose of Use of Personal Information

Application documents submitted and personal information written on them are used for affairs related to the selection of advancing students.

However, regarding advancing students, we use their personal information written on the application form, including name, gender, date of birth, current address, and schools graduated from, as registry data for basic student information in the academic affairs system at Okayama University.

In addition, successful applicants’ personal information, examinee number and name (kanji/ kana), are used for the clerical systems for tuition fee debt management and tuition fee exemption at Okayama University.

When application for tuition fee exemption, or scholarships such as those of Japan Student Services Organization are made, the applicant’s entrance examination results and academic transcript might be used to handle academic ability judgment related to affairs such as tuition fee exemption.

3 Issue of Admission Ticket for Examination

Admission tickets for examination will be sent to your prospective supervisor around the date stated below. Please receive it from your prospective supervisor.

Entrance Examination for October 2023 Advancement	Around August 3, 2023
Entrance Examination for April 2024 Advancement (First Submission Period)	

Entrance Examination for April 2024 Advancement (Second Submission Period)	Around February 1, 2024
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4 Methods for Screening for Advancement

Selection of advancing students shall be made in a comprehensive manner based on results of an oral examination and document screening.

The oral examination will be conducted mainly concerning the applicant's progress report of research and the research plan document.

If necessary, we will present questions related to English language ability (or Japanese language ability for international students) during the oral examination.

When an applicant's ability can be assessed fully by document screening, etc., the applicant's oral examination might be omitted.

Examination for October 2023 Advancement and for April 2024 Advancement (First Submission Period)

Date	Examination Category	Time	Place of Examination
August 18, 2023	Oral Examination	9:30 a.m. –	A prospective supervisor will notify applicants of the location later.

Examination for April 2024 Advancement (Second Submission Period)

Date	Examination Category	Time	Place of Examination
February 9, 2024	Oral Examination	9:30 a.m. –	A prospective supervisor will notify applicants of the location later.

Note 1: The date and time of the oral examination above might be changed after applicants are contacted.

Note 2: If no information related to the date, time, or place of the oral examination has been received by four days before the examination, please inquire to the office in charge (p.17).

5 Announcement of Successful Applicants

Successful applicants will be announced on a bulletin board.

Examination for Advancement	Date	Place of Bulletin Board
Examination for October 2023 Advancement	10:00 a.m. on September 8, 2023	The bulletin board in front of the office of the Graduate School Section, Okayama University (1F, Building No. 1, Faculty of Engineering)
Examination for April 2024 Advancement (First Submission Period)		
Examination for April 2024 Advancement (Second Submission Period)	10:00 a.m. on February 28, 2024	

Note 1. The examinee numbers of successful applicants will be announced on the bulletin board. A letter of acceptance and other materials will be sent directly to successful applicants dated on the day of the announcement.

Note 2. After the announcement on the bulletin board, the examinee numbers of successful applicants will be posted on the homepage (<https://www.gisehs.okayama-u.ac.jp/admission/>).

Note 3. We will never under any circumstances respond to inquiries by phone, etc. concerning passing or failing the examination.

6 Advancement Procedures

1. Method of Advancement Procedures

Successful applicants will be accepted into the course after having completed the advancement procedures. Details will be provided separately to successful applicants later.

2. Period of Advancement Procedures

The period of advancement procedures has been scheduled as follows. However, successful applicants will be informed about details later.

Examination for October 2023 Advancement	September 19, 2023 to September 20, 2023
Examination for April 2024 Advancement (First Submission Period)	March 14, 2024 to March 15, 2024
Examination for April 2024 Advancement (Second Submission Period)	

7 Other

1. Admission Fee and Tuition Fee

No Admission fee is needed.

Tuition fee: 267,900 yen (for half a year); 535,800 yen (for a year) (expected amount)

※ When the amount was revised at the time of admission or while at school, the new amount will be applied from the time of the revision.

In addition, a premium for Personal Accident Insurance for Students Pursuing Education and Research, etc. will be needed as an additional expense.

2. Study Assistance

We have several systems for study assistance: tuition fee exemptions, and scholarships.

3. Day/Evening Course System

Graduate School of Environmental and Life Science applies the special provision for educational methods (Day/Evening Course System) stipulated in Article 14 of Standards for Establishment of Graduate Schools to make it easier for students who work during class hours to take courses. We provide classes and research guidance not only during the day, but also during evenings (and Saturdays, summer and winter vacations, etc.).

4. A supporting system to extend your study period for doctoral course

This system is designed that students, who are unable to complete their course within the standard doctoral study term (3 years) due to circumstances such as work schedule, can complete a previously scheduled and extended course period over a certain period of time beyond the standard term. If you are permitted, you can complete the course by paying tuition fee of standard study term (for 3 years). Details will be announced at the entrance procedure.

5. Security Export Control Regulations of Okayama University

Okayama University has established the “Security Export Control Regulations of Okayama University” under the Security Export Control System based on the “Foreign Exchange and Foreign Trade Act (FEFTA)”, and conducts strict screening when accepting foreign students. If you are subjected to this regulation or FEFTA, you may not be accepted or your desired research activities may be restricted. For details concerning the Security Export Control System in Japan, please refer to the following website.

URL: <https://www.meti.go.jp/policy/anpo/englishpage.html>

6. Office in charge

If there is anything unclear about your application, please inquire to the office in charge below.

Graduate School Section

Academic Affairs Division

Graduate School of Interdisciplinary Science and Engineering in Health Systems

Okayama University

3-1-1, Tsushima-naka, Kita-ku, Okayama 700-8530, Japan

Phone: 086-251-7771

E-mail: hs7771@adm.okayama-u.ac.jp

URL of Graduate School of Interdisciplinary Science and Engineering in Health Systems:

<https://www.gisehs.okayama-u.ac.jp/>

IV Major Guide to the Graduate School of Interdisciplinary Science and Engineering in Health Systems

Major	Program	Section	Education and Research Field
Interdisciplinary Science and Engineering in Health Systems Major	Interdisciplinary Science and Engineering in Health Systems Program	Medical Bioengineering Section	Design of Biofunctional Molecules
			Single Molecule Biology
			Applied Cell Biology
			Biomaterials Engineering
			Biomolecular Engineering
			Organelle Systems Biotechnology
			Medical Protein Engineering
			Molecular Cell Engineering
		Medical Devices and Materials Engineering Section	Human Centric Information Processing
			Information Network Technologies for Medical Engineering
			Advanced Electro Measurement Technology
			Interface Systems
			Cognitive Neuroscience
		Healthcare Science Section	Health System Management
			Nursing science
			Biomedical Informatics
			Radiological Health Science
			Regenerative and Reconstructive Medicine (Ophthalmology)
			Pharmaceutical Biomedicine
		Human Care Innovation Section	Japanese Culture
			Religious Culture
			Medical Law
			History of Science and Technology
			Clinical Thanatology
			Social Innovation

With regard to prospective supervisors at our graduate school, please visit our website;

<https://www.int.gisehs.okayama-u.ac.jp/staff/>

Note 1: When you contact your intended supervisor, search for the name in the above list and call the phone number of the laboratory posted on the page or the switchboard number below.

<Tsushima Campus, Okayama City> Phone: 086-252-1111 (switchboard)

<Shikata Campus, Okayama City> Phone: 086-223-7151 (switchboard)

Note 2: Teachers listed on the pages below do not always provide research supervision, but only undertake teaching. Please contact your intended supervisor in advance to be sure of availability.

Note 3: Because this major guide is a plan at the time of making the application guidelines, it might be changed.

Major Guide to the Graduate School of Interdisciplinary Science and Engineering in Health Systems

Doctor's Course, Interdisciplinary Science and Engineering in Health Systems Program, Interdisciplinary Science and Engineering in Health Systems Major

Section	Education and Research Field	Content of Education and Research Field	Affiliated teachers
Medical Bioengineering	Design of Biofunctional Molecules	Interdisciplinary research aimed at the application of artificial bio-function regulatory molecules that are designed based on functional analysis of bio-functional molecules, including nucleic acid binding protein and enzymes, and aiming at application of the obtained knowledge for medical care and agriculture	SERA Takashi, Professor MORI Tomoaki, Senior Assistant Prof. MORI Koichi, Assistant Prof.
	Single Molecule Biology	Functional analysis of protein and elucidation of the molecular mechanism, and the application of those results to medical care and environmental science	☆IDE Toru, Professor HIRANO Minako, Associate Prof. HAYAKAWA Tohru, Assistant Prof.
	Applied Cell Biology	Intracellular signal transduction research and drug development	TOKUMITSU Hiroshi, Professor MAGARI Masaki, Assistant Prof. △OHTSUKA Satomi, Assistant Prof.
	Biomaterials Engineering	Research into the design and application of biomedical materials in which the inorganic material-based structure is precisely controlled	HAYAKAWA Satoshi, Professor YOSHIOKA Tomohiko, Associate Prof. △KATAOKA Takuya, Assistant Prof.
	Biomolecular Engineering	Research into biotechnology and life science, mainly emphasizing the function of RNA, based on design of novel bio-functional molecules	OHTSUKI Takashi, Professor WATANABE Kazunori, Associate Prof.
	Organelle Systems Biotechnology	Research into elucidating mechanisms and applications of intracellular organelle biogenesis and material transport control	SATOH Ayano, Associate Prof.
	Medical Protein Engineering	Research into the development of effective methods for production and analysis of proteins and applications to the field of medical engineering	FUTAMI Junichiro, Professor
	Molecular Cell Engineering	Research into analysis and application of molecular functions in immune cells	KANAYAMA Naoki, Associate Prof.
Medical Devices and Materials Engineering	Human Centric Information Processing	Analysis and modeling of human audiovisual information processing and behaviors based on signal processing, probability statistics theory, and machine learning, as well as research on their application to services	☆ABE Masanobu, Professor AIDA Toshiaki, Senior Assistant Prof. △HARA Sunao, Assistant Prof.
	Information Network Technologies for Medical Engineering	Methods for functional analysis and evaluation, as well as for their further reliability enhancement and further sophistication, of computer networks and communication protocols, and their application to medical use	☆YOKOHIRA Tokumi, Professor △TARUTANI Yuya, Assistant Prof.
	Advanced Electro Measurement Technology	Research into various measuring techniques, systematization, and signal processing design using sensor devices that are important in biomedical fields	KIWA Toshihiko, Professor △WANG Jin, Assistant Prof.
	Interface Systems	Education and research on human machine interfaces and robot technologies that cooperate with people and which support human activities, and their application to medical and nursing care systems	NAKAZAWA Atsushi, Professor KAMEGAWA Tetsushi, Associate Prof.
	Cognitive Neuroscience	Education and research related to the elucidation of human cognitive neurological functions using cognitive psychology and neuro-imaging techniques, and their application to medical care and welfare	☆WU Jinglong, Professor TAKAHASHI Satoshi, Associate Prof. YANG Jiajia, Assistant Prof.

Note 1: You cannot choose a teacher with a △ mark as your supervisor.

Note 2: If you want to choose a teacher with a ☆ mark, please inquire in advance at the office in charge.

Section	Education and Research Field	Content of Education and Research Field	Affiliated teachers
Healthcare Sciences	Health System Management	Research on the construction of theories for building organizations, formulating strategies, and motivating human resources while effectively using and allocating finite human resources and funds in the clinical practice of medicine and the development of new therapeutic methods.	WATANABE Toyohiko, Professor *
	Nursing science	Research on building micro and macro level organizational structures to enable effective disaster response in health, medical care, public health, and welfare to scale up strategic response. Research on stress and wellbeing management for humanitarian responders.	HARADA Nahoko, Professor *
	Biomedical Informatics	Education and research on technologies for accurate measurement and processing of biological information and methods for analysis and evaluation, and for furthering their use in society based on the obtained information and databases	MORITA Mizuki, Professor *
	Radiological Health Science	Research into the development and application of physical measurement and evaluation technologies for radiation in the field of medical care; also, research related to predictive simulations for subjects such as therapeutic and side effects to living bodies	OITA Masataka, Associate Prof. *
	Regenerative and Reconstructive Medicine (Ophthalmology)	Development and evaluation of equipment through medicine--engineering collaboration, clinical research related to vision, and research elucidating the role of vision in society and medical care	☆MATSUO Toshihiko, Professor *
	Pharmaceutical Biomedicine	Analytical research elucidating the biological reactions of blood vessels and fibrous tissues based on knowledge of diseases in using medicines with nanotechnology for actual disease treatment, or epidemiological analytical research based on medical data	KANO Mitsunobu, Professor
Human Care Innovation	Japanese Culture	Research specifically examining eastern Asian and Japanese views of old age and those of life and death rooted in sites of medical and nursing care	MOTOMURA Masafumi, Professor
	Religious Culture	Philosophical and religious research on human being, focusing on the notions of life/death and of body/soul.	△ HAKAMADA Rei, Senior Assistant Prof.
	Medical Law	Education and research oriented to fostering persons who can offer solutions after grasping and analyzing legal issues arising at medical sites from both medical practice and medical systems	△ SHISHIDO Keisuke, Professor
	History of Science and Technology	Research elucidating the relation between the development of scientific technology involved in nursing care and the issues of aging, and how the relation should be	YOSHIBA Yasuyuki, Professor
	Clinical Thanatology	Clinical thanatological research investigating issues related to life and death in medical and nursing care sites and how the theory and specific method for solving the problems should be	HIKASA Haruka, Senior Assistant Prof.
	Social Innovation	Education and research elucidating the development and application of technological and social innovation for various issues in medical and nursing care sites	FUJII Daiji, Professor

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Note 2: If you want to choose a teacher with a ☆ mark, please inquire in advance at the office in charge.

Note 3: Teachers marked * are of Shikata campus.