

THE UNIVERSITY OF KITAKYUSHU
Graduate School of Environmental Engineering
Special Selection for International Students
(Summer)

Master's Program Admissions Guide

October 2021 Enrollment
April 2022 Enrollment



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Admission Policy of Graduate School of Environmental Engineering (Master's Program)

● Graduate Programs in Environmental Systems

Course	Expected student image	Expected Ability		
		① Knowledge and skills	② Abilities such as thinking, judgment and expression	③ Independent attitude for learning in cooperation with a variety of people
Resources and Chemical Systems Course	<ul style="list-style-type: none"> • He/she has an interest in scientific fields including energy, the environment, and resources, and aspires to actively participate as a high-level chemical/environmental engineer, using the knowledge/reasoning gained at graduate school. • He/she aims to gain high-level and specialist knowledge/reasoning at graduate school, based on the knowledge gained at university. 	<ul style="list-style-type: none"> • He/she has chemical/environmental engineering knowledge that forms the basis for learning more specialist scientific technology. • He/she has the ability to apply knowledge gained before and at university for the purpose of studying more diverse and specialist aspects of energy, the environment, and resources. • He/she has the ability to communicate in Japanese or English. 	<ul style="list-style-type: none"> • He/she has the ability to see the essence of the problem in various fields including energy, the environment, and resources, and to find solutions, prioritizing according to importance/emergency level. • In various fields including energy, the environment, and resources, he/she has the ability to find solutions to problems, while logically considering multiple alternatives, and then clearly explaining those solutions to other people. 	<ul style="list-style-type: none"> • He/she has a deep interest in scientific fields including energy, the environment, and resources, and aspires to self-improve with the desire/dynamism to learn from diverse and comprehensive viewpoints. • He/she has the ability to solve problems through cooperation with others by finding a problem solving method via consultation and debate, irrespective of his/her own expertise.
Biosystems	<ul style="list-style-type: none"> • He/she aims to gain high-level, specialist knowledge in subjects such as the environment, life and medicine, which form the basis of chemistry and biology. • He/she wants to contribute to society by gaining the ability to actively participate on the international stage in fields such as the environment, life and medicine. 	<ul style="list-style-type: none"> • He/she has basic academic ability in life science and environmental science, which is essential for gaining specialist knowledge about biosystems. • He/she has the basic skills to develop technologies while considering the environment, society and ecological systems, through chemical, biological and physical tests, investigations and mathematical analysis, etc. • He/she has the ability to communicate in Japanese and/or English. 	<ul style="list-style-type: none"> • He/she understands the various problems in fields such as the environment, life and medicine, can develop ideas, and has the ability to express conclusions in an appropriate method. 	<ul style="list-style-type: none"> • He/she shows a good attitude for solving problems while cooperating and sharing ideas with other people, with regards to the various problems in fields such as the environment, life and medicine. • He/she shows the desire to contribute to society from a diverse and global viewpoint.
Environmental and Ecological Systems	<ul style="list-style-type: none"> • He/she aims to be a highly specialized professional or researcher who can actively participate in building environmental social systems locally or in developing countries, especially in Asia. • He/she aims to gain highly specialized knowledge for building a sustainable society. 	<ul style="list-style-type: none"> • He/she has basic academic ability in the fields of natural science and mathematics that form the basis of environmental investigations, environmental planning and ecosystem management. He/she also has creative and practical knowledge to be able to contribute to building societies that are environmentally friendly and symbiosis with nature. • He/she has the ability to solve problems using specialist skills and methods related to social/environmental field surveys, environmental simulations and environmental management. • He/she has the ability to communicate in Japanese or English. 	<ul style="list-style-type: none"> • He/she has the ideas and judgment to deal with actual environmental problems, not only locally or domestically but also with a wide view of international environmental society. 	<ul style="list-style-type: none"> • He/she has an interest in fields such as resources, energy, natural ecosystems, economics and administration in relation to environmental problems, and has the knowledge to perform advanced research. • He/she has the knowledge to independently tackle environmental problems in cooperation with relevant organizations such as the communities, companies and governments.

● Graduate Programs in Environmental Engineering

Course	Expected student image	Expected Ability		
		① Knowledge and skills	② Abilities such as thinking, judgment and expression	③ Independent attitude for learning in cooperation with a variety of people
Mechanical Systems Engineering	<ul style="list-style-type: none"> • He/she aims to be a mechanical engineer or researcher who can actively participate with a global mindset, while pursuing the "sustainable development" of both environmental burden reduction and continued economic development. • He/she will spare no effort to gain advanced expertise in mechanical engineering. • He/she has the desire to attempt advanced research, equipped with creativity and independence. 	<ul style="list-style-type: none"> • He/she has knowledge about basic subjects in the field of mechanical engineering and has the basic academic ability and aptitude for gaining more specialized knowledge and advanced skills. • He/she has the basic cultural and ethical perspective needed to be a mechanical engineer or researcher. • He/she has the ability to communicate using Japanese and/or English. 	<ul style="list-style-type: none"> • He/she has the ability to logically think about, assess and solve mechanical engineering problems, and can convey his/her own ideas and consideration results etc. clearly to others. 	<ul style="list-style-type: none"> • He/she has the ability to assertively tackle mechanical engineering problems in cooperation with a variety of people.
Architecture	<ul style="list-style-type: none"> • He/she aims to gain a high ability to be able to actively participate on the international stage with highly specialized knowledge to be able to create futuristic constructions. • He/she aims to be a designer who understands technology or a highly specialized professional or researcher who understands design. 	<ul style="list-style-type: none"> • He/she has basic academic ability in natural sciences and specialist knowledge related to general architecture, as well as basic knowledge related to general engineering. • He/she has the basic skills of environmentally friendly architecture, community and urban planning, design, construction, conservation, and regeneration, etc. • He/she has the ability to communicate using Japanese and/or English. 	<ul style="list-style-type: none"> • He/she is able to extract various problems with a perspective of internationality and sustainability, plan/suggest solutions considering the global environment, and suitably express his/her own thinking/judgment processes and conclusions. 	<ul style="list-style-type: none"> • He/she has the ability to tackle problem solving with others in a community or organization, while cooperating with and educating each other. • He/she has a desire to learn independently and continuously, and faces problem solving proactively and assertively, with a sense of social and ethical responsibility.

● Graduate Programs in Information Engineering

Course	Expected student image	Expected Ability		
		①Knowledge and skills	②Abilities such as thinking, judgment and expression	③Independent attitude for learning in cooperation with a variety of people
Computer Science	<ul style="list-style-type: none"> • He/she aims to gain high-level, specialist knowledge and skills for computer science, in particular, artificial intelligence, image processing, networks, information security and modeling. • He/she aims to be a specialized professional or researcher with the ability to actively participate on the international stage. 	<ul style="list-style-type: none"> • He/she has basic knowledge/skills such as signal processing, information communication, measurement, control, electronic/integrated circuits, software and data science, which are essential for studying computer science. • He/she has the ability to communicate in Japanese and English, read and analyze information, and express ideas. 	<ul style="list-style-type: none"> • He/she has the ideas and judgment necessary to solve problems in the field of computer science, and the ability to express the idea/judgment processes and the yielded conclusions. 	<ul style="list-style-type: none"> • He/she has the attitude to tackle problem solving in the field of computer science, in cooperation with and learning from others, while assertively communicating with a variety of people in a community or organization.
Applied Information Systems	<ul style="list-style-type: none"> • He/she aims to gain high-level, specialist knowledge and skills for electronic/integrated circuits, measurement, control, software, and robots and bio-information systems that integrate these elements. • He/she aims to be a specialized professional or researcher with the ability to actively participate on the international stage. 	<ul style="list-style-type: none"> • He/she has basic knowledge/skills such as signal processing, information communication, measurement control, electronic/integrated circuits, software and data science, which are essential for studying the integrated field of electronic/information/measurement and control engineering. • He/she has the ability to communicate in Japanese and English, read and analyze information, and express ideas. 	<ul style="list-style-type: none"> • He/she has the ideas and judgment necessary to solve problems in the integrated field of electronic/information/measurement and control engineering, and the ability to express the idea/judgment processes and the yielded conclusions. 	<ul style="list-style-type: none"> • He/she has the attitude to tackle problem solving in the integrated field of electronic/information/measurement and control engineering, in cooperation with and learning from others, while assertively communicating with a variety of people in a community or organization.

1. Schedule for Applying

Application Period	From May 20, 2021 (Thursday) ~ May 28, 2021 (Friday)
Examination Date	July 4, 2021 (Sunday) * In the event that the examinations is cancelled or changed the schedule due to an emergency situation, there will be an announcement on the following website. https://www.kitakyu-u.ac.jp/env/lang-en/admissions.html
Examination Site	The University of Kitakyushu Hibikino Campus (1-1 Hibikino, Wakamatsu-ku, Kitakyushu, Fukuoka)
Announcement of Examination Results	July 14, 2021 (Wednesday)

2. Admissions Quota

Graduate School	Graduate Programs	Course	Number of Enrollment
Graduate School of Environmental Engineering	Graduate Programs in Environmental Systems	Resources and Chemical Systems	a few
		Biosystems	a few
		Environmental and Ecological Systems	a few
	Graduate Programs in Environmental Engineering	Mechanical Systems Engineering	a few
		Architecture	a few
	Graduate Programs in Information Engineering	Computer Science	a few
		Applied Information Systems	a few

3. Qualifications for Applying

Those on whom a Bachelor's degree from a Japanese university has been conferred or is expected to be conferred, are not qualified to apply for the special selection examination for international students. Instead, they may apply for the general selection examination.

◆October 2021 Enrollment

Applicants meet any of the requirements from (1) to (3).

- (1) To have completed, or are expected to complete by September 30, 2021, total 16 years of school education outside of Japan.
- (2) To have completed, or are expected to complete by September 30, 2021, total 16 years of school education by correspondence courses offered by school in foreign countries while residing in Japan.
- (3) To be 22 years old (or older) as of September 30, 2021, and recognized as equivalent to academic abilities of university graduation through our screening of entrance qualifications.
Ex) Those who have graduated from university outside Japan where school education is completed in less than 16 years etc.
※Entrance Qualifications Screening will be given before application submitted.

◆April 2022 Enrollment

Applicants meet any of the requirements from (1) to (3).

- (1) To have completed, or are expected to complete by March 31, 2022, total 16 years of school education outside of Japan.
- (2) To have completed, or are expected to complete by March 31, 2022, total 16 years of school education by correspondence courses offered by school in foreign countries while residing in Japan.
- (3) To be 22 years old (or older) as of March 31, 2022, and recognized as equivalent to academic abilities of university graduation through our screening of entrance qualifications.
Ex) Those who have graduated from university outside Japan where school education is completed in less than 16 years etc.
※Entrance Qualifications Screening will be given before application submitted.

【Entrance Qualifications Screening】 *Only for whom applying the (3) above.

A faculty committee screens the entrance qualifications as follows. Contact the administrative office indicated below for details.

- (a) Documents for Submission
 - Application Form (Form 1)
 - Research Plan Survey (Form 4)
 - Entrance Qualifications Screening Application Form (Form 5)
 - Official transcripts issued by graduated or current university/school.
 - Details of previous academic performances and research
 - Approval of a professor in the faculty, by whom you wish to be instructed after enrollment.
Applicants for Resources and Chemical Systems and Biosystems. (Use free form.)
- (b) Deadline for Screening Applications : April 16 (Fri), 2021
- (c) Submit & Contact to:
The University of Kitakyushu, Administrative Office
Academic Affairs Department, Entrance Examinations Division
1-1 Hibikino, Wakamatsu-ku, Kitakyushu City, Fukuoka, 808-0135
TEL: +81-93-695-3340 E-mail: nyushi@kitakyu-u.ac.jp
- (d) Notification of the Results : To be postal mailed to the applicant.

4. Application Procedures

Applications must be dispatched to the following address using EMS, etc. during the period as below. Please remember to send the application documents which are converted to PDF via e-mail during the period as below before posting.

(1) Application Period: From May 20, 2021 (Thursday) ~ May 28, 2021 (Friday)

(2) Submission Office Hours:(Except Saturdays & Sundays & public holidays)

Monday to Friday: 8:30 am to 16:00 pm (and until 17:00 pm on May 28)

*When postal mailing, applications arriving on May 29, 2021 (Saturday) or later will be accepted ONLY IF postmarked on or before May 27, 2021 (Thursday).

(3) Submit to

The University of Kitakyushu, Administrative Office,
Academic Affairs Department, Entrance Examinations Division
1-1 Hibikino, Wakamatsu-ku, Kitakyushu City, Fukuoka 808-0135
TEL: +81-93-695-3340 E-mail: nyushi@kitakyu-u.ac.jp

(4) Documents for Submission (See below)

Documents	Notes
Application Form (Form 1)	Fill all the necessary items in the bold-framed space on Form 1. Glue a 4cm×3cm photograph in the designated space showing your upper body, without a hat and on a plain background, looking straight ahead. Write your name on back of the photograph. The photograph may be color or black and white.
Test Admission Card (Form 2)	Fill in all the necessary information in the bold-framed areas on Form 2, which is issued by the university.
Photograph Card (Form 3)	Fill in all the necessary information in the bold-framed areas on Form 3, which is issued by the university. Attach the photo in the same way described in the "Application Form" section above.
Research Plan Survey (Form 4)	State the research plan on Form 4 clearly. <u>You must contact the professor you wish to have as your research supervisor before applying.</u>
Statement of Reason for Application	Write your reasons for applying on one sheet of A4 size paper. You may choose whatever format you wish, but make sure to include your name, and the name of the graduate program and course you wish to take.
Return Envelope for the Test Admission Card *Only for Domestic Applicants	This should be a standard envelope ("Nagagata" Long-form No.3) with your name and mailing address and ¥374 worth of stamps attached to it (only required for applicants residing in Japan).
Official Transcript of Grades from Your Previous University	Applicants should submit an official transcript of their grades from the graduate School they have graduated from or are still enrolled at. * Applicants who have completed a master's course (excluding those currently enrolled in a master's course) should submit a transcript of their grades from their last school. * For transcripts written in neither Japanese nor English, a Japanese or English translation must be attached.
Documents showing proof of Qualifications for Applying (either a or b)	a) A Certificate of Graduation or Prospective Graduation or Certificate of Enrollment in a master's course issued by the applicant's postgraduate school. b) The result of the Entrance Qualifications Screening (issued by The University of Kitakyushu's Graduate School Committee to applicants whose entrance qualifications have passed a preliminary screening.

Documents	Notes
<p>Examination Fee (¥30,000)</p> <p>* Bank charges incurred when wiring the money from an overseas bank account are to be paid by the remitter.</p>	<p>【Applicants in Japan】 Buy “a postal order (Yubin Kawase)” worth ¥30,000 from a post office in Japan and send it with other application documents. *Do not write anything on the postal order.</p> <hr/> <p>【Overseas Applicants】 ※Japanese YEN only Remit ¥30,000 to the account specified below and send a copy of the “Application of Remittance” form along with your application.</p> <p>Bank name : The Bank of Fukuoka,Ltd. Bank code (Swift Code) : FKBKJPJT Branch name : Kitakyushu Main office Bank Address : 2-2-18 Sakaimachi Kokurakitaku Kitakyushu City Fukuoka Account number : 2555152 Account Holder : Kouritsudaigakuhoujin kitakyushushiritsudaigaku Rijichou Tsuda Junji Remittee Address : 1-1 Hibikino Wakamatsu-ku Kitakyushu City</p> <p>(Note) All bank transfer fees must be covered by the remitter (i.e. the applicant).</p> <p>The bank transfer fees charged by the University of Kitakyushu's bank, the Bank of Fukuoka, are ¥2,500, but applicants are advised to check the banking fees in the country from which they are applying. For banking charges in the country from which the applicant is applying, it is up to the applicant to check the amounts.</p>
<p>For following applicants “Mechanical Systems Engineering”, “Computer Science”, “Applied Information Systems”</p> <p>Any one of the followings: TOEIC (TOEIC L&R) Official Score Certificate, TOEIC (TOEIC L&R)-IP Test Score Report, or TOEFL-iBT Score Report.</p>	<p>Please See 5. Selection Process and Examination Subjects to find which Course requires these scores and submit one of the followings. Official scores must be taken within 24 months from the month that the application period starts.</p> <p>①TOEIC (TOEIC L&R) public test: <u>the original Official Score Certificate and a copy.</u></p> <p>②TOEIC (TOEIC L&R)-IP (Institutional Program) test: <u>the original Score Report and a copy.</u> * The acceptable scores are of which the test conducted by our university or university co-op.(except for online)</p> <p>③TOEFL-iBT test: <u>the original Test-Taker Score Report and a copy.</u> * Submit Test-Taker Score Report. Official Score Report will NOT be accepted.</p> <p>【Others】 * Original documents are to be returned to applicants later.</p> <p>* If applicants cannot submit any scores as above from ①to ③ by the application deadline, submit a copy of admission ticket for TOEIC or TOEFL instead. Then submit one of ① to ③ before the examination date (excluding Saturdays, Sundays, and holidays).</p> <p>* Applicants, who have already submitted test scores during the application period can update the score with submitting the latest documents. It needs to be submitted to our administration office before the examination date. (excluding Saturdays, Sundays and holidays).</p>
<p>Certificate of Residence or Copy of Passport</p>	<p>Applicants in Japan : Submit a Certificate of Residence that has been issued within one month of the application.</p> <p>Overseas Applicants : Submit a copy of their passport (the pages showing the applicant's face and the passport's date of expiration).</p>

【Notes about the Application】

- Due to the effects of the new coronavirus infection etc., the test schedule and method may be changed.
- After the application is submitted, the examination fees will not be returned, and no changes to documents will be accepted under any circumstances.
- If a false statement is found in the documents, admission to the university will be revoked even if the applicant passed the entrance examination.
- Once received by the University, the application documents will not be returned after submission.
- Applicants who have taken the examination under the condition that they meet the application qualifications by March 2021 but do not then meet the qualifications for applying, will have their admission revoked even if they have passed the entrance examination.

October 2021 Enrollment: by September 30, 2021

April 2022 Enrollment: by March 31, 2022

【Special consideration for applicants with physical disabilities】

Applicants with physical disabilities who might require special consideration for the entrance examination and enrollment at the university are required to undergo a screening in order to receive such consideration. Please consult the University in advance and provide the necessary documents at least 2 weeks before applying. Based on the results of the screening, we will notify you of the details of any special measures that have been deemed necessary. Please include this notification with your application.

《Contact to》

The University of Kitakyushu, Administrative Office,
Academic Affairs Department, Entrance Examinations Division
1-1 Hibikino, Wakamatsu-ku, Kitakyushu City, Fukuoka, 808-0135
TEL: +81-93-695-3340 E-mail: nyushi@kitakyu-u.ac.jp

5. Selection Process and Examination Subjects

【Selection Process】

The results of the examination and a consideration of the application documents are the basis for selection.

【Examination Subjects】

◆ Graduate Programs in Environmental Systems

○Resources and Chemical Systems

Examination Subjects	Time
Oral examinations · Interview	13 : 30 -

(Note) All examinations must be taken in Japanese or English.

※Check the appropriate box on Form 1 for the subject you choose.

○Biosystems

Examination Subjects	Time
Oral examinations · Interview	13 : 30 -

(Note) All examinations must be taken in Japanese or English.

※Check the appropriate box on Form 1 for the subject you choose.

○Environmental and Ecological Systems (Note 1)

Examination Subjects	Time
Specialized subject (Environmental management)	11 : 30 - 13 : 00
Oral examinations · Interview (Note 2)	13 : 30 -

(Note 1) All examinations must be taken in Japanese or English. Check the appropriate box on Form 1 for the subject you choose.

(Note 2) If you have a document certifying your language skills in Japanese or English, please bring it to the examination day.

(Example: Your score in the Japanese Language Proficiency Test, TOEIC (TOEIC L & R) Score, TOEFL Score, etc.) ※ This is not mandatory.

◆ Graduate Programs in Environmental Engineering

○Mechanical Systems Engineering (Note 1)

Examination Subjects	Time
English (Note 2) (Note 3)	—
Specialized subject (Mechanical Engineering)	10 : 30 – 12 : 00
Oral examinations • Interview	13 : 30 –

(Note 1) All examinations must be taken in Japanese or English. Check the appropriate box on Form 1 for the subject you choose.

(Note 2) TOEIC (TOEIC L&R) or TOEFL test scores will be used in place of an English exam.

(Note 3) Prospective international students whose native language is English are not required to submit TOEIC (TOEIC L&R) or TOEFL test scores.

○Architecture (Note 1)

Examination Subjects	Time
Choose one specialized subject from “Structure / Materials / Construction”, “Planning / Design”, “Environment / Facilities” (Note 2)	13 : 30 – 15 : 00
Oral examinations • Interview (Note 3)	15 : 30 –

(Note 1) Examination will be conducted in both English and Japanese. (The answers should be provided in English or Japanese.)

(Note 2) Check the box on Form 1 for the subject you choose (“Structure / Materials / Construction”, “Planning / Design”, “Environment / Facilities”).

(Note 3) Students are requested to bring a summary of their graduation research or a portfolio of their design projects, etc.

◆ Graduate Programs in Information Engineering

○Computer Science (Note 1)

○Applied Information Systems (Note 1)

Division	Examination Subjects	Time
Special Selection for International Students	English (Note 2) (Note 3)	—
	Mathematics (Examination questions include calculus, linear algebra, complex analysis, Fourier analysis and sets and probabilities.)	10 : 30 - 12 : 00
	Oral Examinations • Interview (Note 4)	13 : 30 -

(Note 1) Examination must be taken in Japanese or in English.

※Choose the language and check the appropriate box on Form 1.

(Note 2) TOEIC (TOEIC L&R) or TOEFL iBT test scores will be used in place of an English exam.

(Note 3) Prospective international students whose native language is English are not required to submit TOEIC (TOEIC L&R) or TOEFL test scores.

(Note 4) The oral examination will cover technical knowledge of Electronics and Information Engineering.

6. Examination Site

The University of Kitakyushu, Hibikino Campus

(1-1 Hibikino, Wakamatsu-ku, Kitakyushu City, Fukuoka)

※Refer to the Map on the back cover of this application guidebook

※Means of transportation: Kitakyushu City Bus

Take City bus bound for Gakken-toshi or bound for Futajima Station from JR Orio Station, West Exit bus stop, and get off at Gakken-toshi-Hibikino.

It takes about 20 minutes.

(Kitakyushu Municipal Traffic Bureau Wakamatsu Office Tel: 093-771-2765

Mukaida Office Tel: 093-691-0131)

7. Points to be Aware of Regarding the Examination

- (1) Make sure to bring your Test Registration Card. If you have not received the card three days prior to the examination date, contact our Academic Service Department Division Entrance Examinations Division (See the back cover). For the examinees who live in abroad, we will issue “an examination permit” and send you it.
- (2) You will not be allowed to take the examination if you enter the room more than 20 minutes after the start of the exam. You will not be allowed to take the interview if you are late.
- (3) If you are late due to lengthy delays on the public transportation service, the prescribed examination time will be extended as necessary. To verify the delay, get a note of verification when you get on/off the train or bus.
- (4) Bring your pens and pencils, and a wrist watch (one without calculation, translation, and dictionary functions). We cannot provide any such test-taking necessities.
- (5) Do not come to the test site by car.

8. Announcement of Examination Results

The successful examinees' application numbers will be posted as follows. A notification of authorization for admission will also be forwarded. The School will not accept any telephone inquiries regarding results.

Date & Time	10 :00 am, July 14, 2021 (Wednesday)
Locations	The University of Kitakyushu, web site (https://www.kitakyu-u.ac.jp/)

9. Admission Procedures

Admission procedures must be completed during the period stated below at the Hibikino Campus. Admission Handbook will be sent along with the Letter of Acceptance to the successful applicants.

Procedure period for October 2021 Enrollment	July 20, 2021 (Tuesday) ~ July 28, 2021 (Wednesday)
Procedure period for April 2022 Enrollment	January 17, 2022 (Monday) ~ January 20, 2022 (Thursday)

(Note 1) Once paid, no admission fees will be returned under any circumstances.

(Note 2) Persons who do not complete the admission procedures during this time will be deemed as having opted out of admissions. The admission procedure period will not be extended under any circumstances.

(Note 3) Persons who complete payment of the admission fees and submission of the necessary documents during the period will be admitted.

(Note 4) Test Admission Card is necessary for the admission procedures. necessary documents during the period will be admitted. It is important that you keep it safe.

10. Admission and Other Fees (Note 1)

Fees	Amount	Note
Admission Fee	Residents of Kitakyushu City ¥282,000	(Note 2)
	Non-residents of Kitakyushu City ¥423,000	
Alumni Association fee	¥50,000	Those who have graduated from this School and have already paid are exempt.
Support Association fee	¥20,000	
Personal accident insurance	2 years' coverage ¥1,750	
Personal liability insurance	2 years' coverage ¥680	

(Note 1) The amounts indicated above are those for 2021 enrollment and may possibly change.

(Note 2) A resident of Kitakyushu City is defined as a person certified to be a Kitakyushu City taxpayer or exempted taxpayer (or someone whose spouse or other close relative is so certified) during the year prior to enrollment, and who is also a resident of Kitakyushu City when the admission fee is paid. To be a “taxpayer (or an exempted taxpayer) of Kitakyushu City in the previous year of the enrollment”, a person must have been a resident of Kitakyushu City as of January 1, 2020 for October 2021 Enrollment. A person must have been a resident of Kitakyushu City as of January 1, 2021 for April 2022 Enrollment.

※Even if you do not pay the alumni association fee or the support association fee or the insurance, you can still enroll the university.

1 1. Tuition Fees

Annual tuition fee 535,800 (JPY)

- (1) This amount is the current fee. If the amount or the payment method is changed while you are enrolled at the university, the new fee and payment method shall be applied from the time of the amendment.
- (2) The tuition must be paid in two installments by account transfer by the due date (or the next business day if the bank is closed on that date).

1 2. System for Extending Your Period of Study

The Graduate School of Environmental Engineering offers extensions to the duration of study to support students who are in employment. If eligible, you will be able to complete the curriculum over a period of time that exceeds the standard period required for graduation. This must be done in accordance with a prearranged schedule that has been approved by the Graduate School Committee. If you are enrolled in a master's program, you can arrange to extend the period of study up to two years, and if you are enrolled in a doctoral program you can extend the period of study up to three years, with each extension being granted in one-year blocks.

The total amount of tuition fees for students making use of this system is the same as that paid by students who graduate within the standard period required for graduation.

1 3. Security Export Control

Based on the Foreign Exchange and Foreign Trade Act, the University of Kitakyushu has established the “Provisions for Security Export Control at the University of Kitakyushu” and implements a strict screening of the international students it accepts.

Please note that applicants might not be able to receive the education or conduct the research they desire to if their chosen field is subject to any of these provisions.

【Reference】 URL : <http://www.meti.go.jp/policy/anpo/englishpage.html>

1 4. Other Information

《Important Notice Regarding Admission》

If the applicants in Japan whose residency status is not “Student” (Ryugaku) must obtain a Student Visa from the Immigration Bureau of the Ministry of Justice. Please note that a Student Visa is required for certain scholarship applications made after enrollment.

《Syllabus》

Specifics about courses are available from the internet syllabus system of the University of Kitakyushu:

Master's Course 30 credits are required to complete.

《Details》

- 4 or more credits from either or both common subjects and basic subjects.
- 18 or more credits from specialized subject.
- 8 credits from Special Research Subjects. (Special Research)

【Common Subjects in Graduate Programs】

《Common Subjects》 (2 credits each)
Corporate Environmental Management
The Creation, Protection and Utilization of Intellectual Property
Academic Presentation I
Academic Presentation II
Safety and Engineering Ethics (Note 1)
Environmental Principles
Internship

(Note 1) This subject belongs to “Specialized Subjects” in Environmental and Ecological Systems.

【Graduate Programs in Environmental Systems】

Resources and Chemical Systems	«Basic Subjects » (2 credits each)
	Fundamental Resources Chemical System I (Chemical Process)
	Fundamental Resources Chemical System II (Advanced Material)
	Fundamental Resources Chemical System III (Environmental Process)
	«Specialized Subjects » (2 credits each)
	Energy Chemistry
	Kinetics and Reaction Engineering
	Inorganic Materials Engineering
	Catalytic Reaction Chemistry
	X-ray Spectroscopy
	Separation and Purification Engineering
	Solid State Materials Chemistry
	Process Design
	Advanced Materials Systems
	Polymer Chemistry
	Environmental Chemistry
	Air Pollution and Its Controlling Engineering
	Recycling Engineering
	Aquatic Environment and Engineering
	Soil and Groundwater Remediation
	Recycling-System Engineering
Advanced Resources Chemical System I	
Advanced Resources Chemical System II	
Environmental Issues in Asia	
Sustainable Sanitary Engineering	
Biosystems	«Basic Subjects » (2 credits each)
	Fundamental Lecture on Biosystem I (Introduction of Biomaterials)
	Fundamental Lecture on Biosystem II (Biological and Ecological Engineering)
	«Specialized Subjects » (2 credits each)
	Environmental Biology
	Introduction to Polymer Physics
	Computational Chemistry
	Biomaterials
	Ecosystem Science
	Biosensor Engineering
	Functional Microbiology
	Ecological and Environmental Physiology
	Special Lecture on Biosystem
	Special Seminar on Biosystem I
Special Seminar on Biosystem II	
Molecular and Cellular Biosciences	

【Graduate Programs in Environmental Systems】

Environmental and Ecological Systems	《Basic Subjects》 (2 credits each)
	Fundamental Lecture on Environmental and Ecological Systems
	《Specialized Subjects 》 (2 credits each)
	Environmental Economics
	Energy and Environmental Engineering
	Sustainable Management Systems
	Environmental Information Technology and Computer Simulation
	Urban Environmental Assessment and Planning
	Safety and Engineering Ethics
	Environmental Pollution and Health Risks
	Theory and Progress of Sustainable Development
	Environmental Issues in Asia
	Sustainable Sanitary Engineering
	Environmental Biology
Ecosystem Science	
Functional Microbiology	
Ecological and Environmental Physiology	
《Special Research 》 (8 credits)	
Special Research	

【Graduate Programs in Environmental Engineering】

Mechanical System Engineering	《Basic Subjects》 (2 credits each)
	Introduction to Mechanical Systems I (Energy System)
	Introduction to Mechanical Systems II (Design and Manufacturing)
	《Specialized Subjects》 (2 credits each)
	Corporate Environmental Management
	Advanced Combustion Theory
	Advanced Optical Diagnostics for Compressible Flows
	Advanced Heat Transfer
	Advanced Thermodynamics
	Advanced Control Engineering
	Advanced Mechatronics
	Advanced Design Engineering
	Advanced Manufacturing Processes
	Advanced Mechanics of Materials
	Advanced Machine Element Design
Advanced Systems Engineering	
Advanced Mechanical Dynamics	
Advanced Leading Engineering	
Architecture	《Basic Subjects》 (2 credits each)
	Introduction to Residential Environment Design
	Introduction to Engineering of Building Structures, Building Materials and Building Construction
	Introduction to Energy Systems in Urban Architecture
	《Specialized Subjects》 (2 credits each)
	Architectural Design Program
	Ecological Design for the Urban Environment
	Advanced Trans-Generation Architecture
	Environmental and Spatial Design
	Construction Engineering and Management
	Advanced Environmentally Conscious Materials Engineering
	Structural Analysis
	Advanced Building Materials
	Structural Design for Buildings
	Earthquake resistant structures
	Building Facilities Systems
	Theories of Urban and Building Energy Systems
	Advanced Architectural Acoustics and Lighting Design
	Advanced Thermal and Air Environmental Design
	Architectural Engineering Practice
Architectural Internship (4 credits)	
Low Carbon Architecture and Urban Design	
《Special Research》 (8 credits)	
Special Research	

【Graduate Programs in Information Engineering】

《Specialized Subjects(Common in Information Engineering)》 (2 credits each)	
Software for Embedded Systems	
Software Verification	
Software Engineering	
Soft Computing	
Adaptive Signal Processing	
Applied Pattern Recognition	
Information Security	
Theory of Dynamic Systems	
Theory of Combinatorial Optimization	
System Control Theory	
Visual Information Processing	
Sparse Modeling	
Introduction to Sensory Measurement	
Computer Science	《Basic Subjects》 (2 credits each)
	Introduction to Computer Science
	《Specialized Subjects》 (2 credits each)
	Signal Analysis
	Image Processing
	Network Architecture
	Information and Communication Theory
Applied Information Systems	《Basic Subjects》 (2 credits each)
	Introduction to Applied Information Systems
	《Specialized Subjects》 (2 credits each)
	Mobile Communications Systems
	VLSI Physical Design
	Embedded Hardware Systems
	Design for Testability
	Medical Engineering
《Special Research》 (8 credits)	
Special Research	

《Faculty Members in the Program and the Main Themes of Study》

※**Before applying, you must contact the professor by whom you wish to be supervised.**

※Research supervisors may be changed.

※Please consult with the course director if you have a question concerning the faculty member advising you on your research project.

The email addresses of the course directors are as follows:

《Contact to 》

○Graduate Programs in Environmental Systems

Resources and Chemical Systems	shigen@kitakyu-u.ac.jp
Biosystems	biosys@kitakyu-u.ac.jp
Environmental and Ecological Systems	envsys@kitakyu-u.ac.jp

○Graduate Programs in Environmental Engineering

Mechanical Systems Engineering	kikai@kitakyu-u.ac.jp
Architecture	kenchiku@kitakyu-u.ac.jp

○Graduate Programs in Information Engineering

Computer Science	jyohou@kitakyu-u.ac.jp
Applied Information Systems	

Graduate Programs in Environmental Systems

【Resources and Chemical Systems】

Name	Main Themes of Research
Aikawa Masahide	Atmospheric chemistry and sciences on air pollution and acid deposition Physical and chemical interaction between air pollutants and precipitation
Akiba Isamu	Study on synthesis of polymer materials Research on structure and physicality of synthetic polymers
Asami Kenji	Development of synthetic process of clean fuels using solid catalyst Development of catalytic chemical process for carbon recycle
Amano Fumiaki	Study on photocatalysis and photoelectrochemistry Development of photoenergy conversion systems and materials
Imai Hiroyuki	Development of functionalized materials with nano-sized spaces Development of chemical processes for utilizing various carbon resources
Ohya Hitoshi	Research on 3R technology using industry, government and academy cooperation Research on development of recycling technology and recycling systems
Suzuki Takuya	Development and catalytic ability evaluation of oxide photocatalyst Structural analysis and physical property correlation of photocatalyst
Terashima Mitsuharu	Development of water treatment process Modeling and simulation for water treatment system
Nishihama Syouhei	Separation and recovery process of rare metals from waste materials Removal process of toxic compounds in water environment
Miyawaki Takashi	Development of comprehensive analysis method for chemicals. Study on environmental fate and risk evaluation of chemicals.
Yasui Hidenari	Environmental technologies for wastewater, sludge and drinking water Mathematical modelling biological reaction
Yamamoto Katsutoshi	Synthesis and catalytic application of novel porous materials Development of organic-inorganic hybrid nanoporous materials
Yoshizuka Kazuharu	Selective recovery system of rare metals from various untapped resources, thorough removal system of toxic substances from the aquatic environments
Li Xiaohong	Research on metal catalysts and metal oxide catalysts Clean transportation fuels synthesis from biomass or carbon dioxide
Lee Seung-Woo	Development of functional nanomaterials and advanced sensing devices Nanomaterial engineering based on small biomolecules and volatile metabolites

【Biosystems】

Name	Main Themes of Research
Isoda Takaaki	Development of a bio sensor and the application, 1: Food freshness assessment for meat, fish and vegetables, 2: Salivary and urine diagnosis for medical examination
Uezu Kazuya	Creation of a new type of biosensor by using specific responses of organisms, Creation of phosphoprotein separation materials targeting intracellular information paths, Design of molecular recognition materials by using computer chemistry, Development of brush fire extinguishing foam largely reducing impacts on ecosystems
Kawano Tomonori	Biosensing, microrobotics, and bioelectronics using DNA, peptides and cells, Development of vegetable factory technology using LED and research on environmental response mechanisms of plants and microbes
Kihara Takanori	Biom mineralization Biophysics of Cell Tissue Engineering
Sakurai Kazuo	Basic study of polysaccharide/DNA complexes and the applications for gene carriers, Structural analysis of complex materials/nanomaterials using synchrotron X-rays
Nakazawa Koji	Development of cell patterning technology and cell microchips, Analysis of culture-minimal environments and cell differentiation characteristics
Haraguchi Akira	Biofunction analysis in ecosystems, Development of greening technology of environmental functions, Separation of useful soil microorganisms, Development of biological environment assessment methods
Mochizuki Shinichi	Development of drug carrier, Development of novel biomaterial using polysaccharides
Morita Hiroshi	Physiology of local agricultural products and development of new applications; Bio-control science of mold spores and mites; Study on novel co-culture Koji for Sake brewing; Development of submerged culture system for brewing
Yanagawa Katsunori	Ecological and physiological studies on uncultivated microbial populations, Biogeochemical cycles on Earth, Microbiological aspects of environmental fate

【Environmental and Ecological Systems】

Name	Main Themes of Research
Kato Takaaki	Economic evaluation of environmental policies, Development of education/exercise methods for social risk management
Tsuji Hiroyuki	Study on environmental management of corporations, Study on alliance/cooperation of organizations
Fujiyama Atsushi	Study on energy management systems Study on using information technology in the environmental field
Futawatari Toru	Study on regional environmental management system, Comparative study of economic development and environmental issues in East Asia
Matsumoto Toru	Study on design/assessment of urban/social systems for recyclable society, Study on urban environment management in Asia

Graduate Programs in Environmental Engineering

【Mechanical Systems Engineering】

Name	Main Themes of Research
Izumi Masaaki	Study on enhancing performance and durability of fuel cells, Study on measurement method of fuel cell performance,
Inoue Koichi	Research on thermal control systems for future space missions Research on heat exchangers for nuclear power and thermal power generation systems Research on cooling technology for power electronic devices
Okada Nobuhiro	Studies about robotics and mechatronics technologies, especially focusing on 3-dimensional visual measurements Development of laser scanner without an actuator Studies on cooperative learning of multiple self-organizing maps
Kiyota Takanori	Study on development and application of safe, energy-saving mechanical system control method Development of power assist systems
Sasaki Takumi	Study on vibration isolation using structural and material nonlinearity Study of a vibration control system for mechanical systems and structures
Cho Changhee	Study on biomechanical engineering and biotribology, Study on improvement of clinical longevity and performance of artificial joints
Cho Hiroki	Research on material properties of shape memory alloys. Research and development of actuators and medical and welfare equipment using shape memory alloys
Nakao Shinichiro	Research on numerical analysis of interference between shockwave and boundary layer. Research on application of laser interferometry to flow field accompanied by shockwaves.
Miyaguni Takeshi	Development of small wind turbine with high efficiency and high self-start ability Study on waste collection system of a waste cleaning ship
Miyazato Yoshiaki	Research on application for supersonic flows of digital holography. Research on application for supersonic flows of schlieren tomography.
Murakami Hiroshi	Development of a System for 3-D Micro Metrology Using an Optical Fiber Probe Study on an intelligent machine tool Development of a high-speed air turbine microspindle for monitoring machining processes
Yoshiyama Sadami	Study on development and application of combustion sensing technique using an ion sensor. Study on measurement method of a premixed flame

【Architecture】

Name	Main Themes of Research
Ando Shintaro	Frailty prevention factors in housing and community environment for super aging society Housing and Community for Healthy Aging
Gao Weijun	Architectural/urban environment Planning/design, Building/city energy and resource planning Study on urban environment in Asia
Kido Masae	Seismic design of steel/concrete-filled steel tube structure, Stability design method of steel/concrete-filled steel tube structure
Koyamada Hidehiro	Safety and Health Management on Construction, and Analysis of Accidents in Buildings Maintenance of Buildings, and Reuse of Building Materials Concreting in Hot weather Ambience
Shiraishi Yasuyuki	Control of thermal and air environment in urban and architectural spaces Optimal control of technologies integrated architecture and equipment Optimal design of building equipment using multiple physics modeling
Suyama Hiroki	Construction materials from industrial wastes Factors in powder admixtures that affect the physical properties of cement concrete How to quantify the appearance of cement concrete
Takasu Koji	Study on high strength and high durability cement-free concrete Development of high performance concrete with recycled materials Modification of by-products particles for building materials Environmental impact assessment focusing on performance of building materials
DEWANCKER, Bart Julien	Study on urban planning, Study on architectural design of cities and building, Study on landscape/greening of cities and building
Fukuda Hiroatsu	Study on architectural design, historical architecture Study on architectural planning, urban planning Study on zero carbon architecture, zero carbon city
Fukuda Yumi	Study of spectral design of light which regulates human biological rhythms. Study of relationship between light and the development of vision in humans. Study on illumination in public spaces.
Fujita Shinnosuke	Structural design Structural analysis Computational morphogenesis Computational design
Hoki Kazuaki	Earthquake Resistant Engineering
Ryu Yuji	Natural energy utilization in building, Thermal environment and residents' physiology/psychology in elder care facilities

Graduate Programs in Information Engineering

【Computer Science】

Name	Main Themes of Research
Uehara Satoshi	Information theory, coding theory, information security: Study on configuration method and performance assessment of signals based on mathematical background
Koga Hiroyuki	Research on architecture, establishment and operating technology for computer network systems and traffic engineering technology
Satoh Takashi	Information security : Study on cryptographic theory and its applications Future communication networks: Study on distributed systems and internet operations
Son Renmei (Sun Lian Ming)	Research on system identification methodology to build mathematical models in the fields of control and signal processing Applications to analysis and design of control systems, adaptive signal processing
Nagahara Masaaki	Mathematical informatics including artificial intelligence, automatic control, and machine learning, and its applications to robots, drones, vehicles, audio and image processing, etc.
Fujimoto Yusuke	Estimation and control of dynamical systems. Two main examples are 1) system identification and its application to machine/acoustic systems, and 2) theory and application of data-driven control.
Matsuoka Ryo	Study on signal processing, image processing, and computer vision based on mathematical modeling, artificial intelligence, optimization/convex analysis
Yamazaki Yasushi	Research and development of information security and pattern recognition technologies with a focus on biometrics

【Applied Information Systems】

Name	Main Themes of Research
Sato Masayuki	Psychophysics on human visual perception, especially on depth perception from binocular stereopsis and visual stability across saccadic eye movements.
Sugihara Makoto	Design methodology for VLSI, embedded systems and automotive IT systems
Takashima Yasuhiro	Optimization algorithm, VLSI design automation methodology, High-performance computing including Quantum algorithm
Tamada Yasuaki	Psychophysics for virtual reality technology and smart visual function inspection
Nakatake Shigetoshi	Study on VLSI design technologies and low power technologies of analog and digital mixed signal integrated circuits, and integration technologies of sensor systems in medical / disaster prevention fields.
Hayami Takehito	Medical test, surgery assist and treatment technique about neurological function using electric and optic devices. Equipment for behavior science.
Matsuda Tsuruo	Biological information acquisition, Mechatronics control, cranial magnetic • electrical stimulation Rehabilitation application technology
Yamazaki Susumu	<p>Study and practice on the following topics:</p> <ol style="list-style-type: none"> 1. Improvement of performance, parallelization and energy consumption using compiler, OS kernel and/or VLSI design. 2. Improvement of performance of cipher processing, image processing, machine learning or arithmetic operation using 1. 3. Social implementation using 1, 2, especially, utilization of images that are obtained from artificial satellites, or systems that harmonize individuals and the whole society.