

**THE UNIVERSITY OF KITAKYUSHU**

Graduate School of Environmental Engineering

Special Selection for International Students  
(Summer)

**Doctoral Program Admissions Guide**

October 2021 Enrollment

April 2022 Enrollment



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## Admission Policy of Graduate School of Environmental Engineering (Doctoral 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"> <li>· He/she has an interest in scientific fields including energy, the environment, and resources, and aims to be a world-leading chemical/environmental engineer or researcher.</li> <li>· He/she aims to develop or construct innovational new technologies or theories.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has sufficient knowledge for researching advanced chemistry and environmental engineering.</li> <li>· He/she has a clear vision about solving problems regarding energy, the environment, and resources.</li> <li>· He/she has sufficient language abilities to be able to write advanced studies/reports and debate with experts.</li> </ul>	<ul style="list-style-type: none"> <li>· 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 from an advanced perspective, prioritizing according to importance/emergency level.</li> <li>· In various fields including energy, the environment, and resources, he/she has the ability to find solutions to problems from an advanced perspective while logically considering multiple alternatives, and then clearly explaining those solutions to other people.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has a deep interest in scientific fields including energy, the environment, and resources, and has the desire to research independently and the dynamism to lead others, with diverse and comprehensive viewpoints.</li> <li>· He/she has the ability to lead problem solving through cooperation with others by finding multiple problem solving methods via consultation and debate, irrespective of his/her own expertise.</li> </ul>
Biosystems	<ul style="list-style-type: none"> <li>· 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.</li> <li>· 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.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the specialist knowledge and skills to develop technologies while considering the environment, society, and ecological systems. He/she also has wide-ranging knowledge that is important for refining this information.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the mind and judgment to see the essence of various problems in fields such as the environment, life and medicine, and has the ability to publish results gained through research in appropriate methods such as a paper or conference.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she shows a good attitude for solving problems through positive debate with researchers, both domestic and worldwide, with regards to the various problems in fields such as the environment, life and medicine.</li> </ul>
Environmental and Ecological Systems	<ul style="list-style-type: none"> <li>· He/she aims to be a researcher or educator who can actively participate in building environmental social systems locally or in developing countries, especially in Asia.</li> <li>· He/she aims to gain very highly specialized knowledge for building a sustainable society.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has specialist 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 lead in the development of societies that are environmentally friendly and symbiosis with nature.</li> <li>· He/she has the ability to independently solve problems using specialist skills and methods related to social/environmental field surveys, environmental simulations and environmental management.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ideas and judgment to deal with actual environmental problems, with a wide view of international environmental society, based on a background of advanced academic research.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has an wide interest in fields such as resources, energy, natural ecosystems, economics and administration in relation to environmental problems, and has the knowledge to perform pioneering research from an advanced perspective.</li> <li>· He/she has the knowledge to independently tackle advanced and international environmental problems in cooperation with relevant organizations such as academic societies, companies and governments.</li> </ul>

## ● 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"> <li>· He/she aims to be a researcher or educator who can actively participate internationally and interdisciplinary using advanced mechanical system technology, while pursuing the "sustainable development" of both environmental burden reduction and continued economic development.</li> <li>· He/she will not mind making efforts to utilize advanced expertise in mechanical engineering.</li> <li>· He/she has the desire to attempt advanced research, equipped with creativity and independence.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has specialist knowledge and skills in the field of mechanical engineering and has the academic ability and aptitude for gaining further specialization.</li> <li>· He/she has the basic cultural and ethical perspective needed to be a mechanical researcher or educator.</li> <li>· He/she has the necessary ability to communicate in Japanese and English.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to logically think about, assess and solve mechanical engineering problems from an advanced perspective, and can convey his/her own ideas and consideration results etc. clearly to others.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to assertively tackle mechanical engineering problems from an advanced perspective in cooperation with a variety of people.</li> </ul>
Architecture	<ul style="list-style-type: none"> <li>· 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.</li> <li>· He/she aims to be a designer who understands technology or a highly specialized professional or, in particular, a researcher who understands design.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she understands that architecture is the forming of space and an abundant human environment that links the past to the future, understands the essence of architecture from a general perspective, and has that high-level specialist knowledge.</li> <li>· He/she has a variety of abilities necessary for a high-level architect/engineer, such as the ability to make constructions safe, the ability to create a comfortable space, the ability to express artistry, and the ability to express ideas to clients.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to extract various problems from social phenomena in architecture with an international perspective, explain his/her own thinking/judgment processes to solve these problems, and publish research via meetings, international conferences and dissertations.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to plan projects with others in a community or organization, and finalize the projects in the form of a dissertation or construction, etc. He/she also has the desire and attitude to consider harmony with the environment, and solve problems from the ethical viewpoint of an engineer.</li> </ul>

## ● 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"> <li>· He/she aims to utilize high-level, specialist knowledge and skills for computer science, in particular, artificial intelligence, image processing, networks, information security and modeling.</li> <li>· He/she aims to be an leading researcher or educator with the ability to actively participate on the international stage.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has comprehensive specialist knowledge about information system engineering, and specialist knowledge about computer science, in particular, information communication, information processing, information security and software.</li> <li>· He/she has the skills to design and install a major network and image processing system as a practical discipline of computer science, to meet the needs of information-oriented society.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to plan/suggest problem solving methods in the field of computer science, evaluate the results and form conclusions, arrange these processes into a dissertation, and publish them.</li> </ul>	<ul style="list-style-type: none"> <li>· In the field of computer science, he/she can communicate effectively with other people in a community or organization, and has the dynamism to independently tackle problem solving with a sense of social and ethical responsibility.</li> </ul>
Applied Information Systems	<ul style="list-style-type: none"> <li>· He/she aims to utilize high-level, specialist knowledge and skills for electronic/integrated circuits, measurement, control, software, and robots and bio-information systems that integrate these elements.</li> <li>· He/she aims to be an leading researcher or educator with the ability to actively participate on the international stage.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has comprehensive specialist knowledge about information system engineering, and specialist knowledge about electronic/integrated circuits, measurement control, software, and systems that integrate these elements.</li> <li>· He/she has the skills to design and install a major robot and bio-information system as an integration of electronic/information/measurement and control, to meet the needs of information-oriented society.</li> </ul>	<ul style="list-style-type: none"> <li>· He/she has the ability to plan/suggest problem solving methods in the integrated field of electronic/information/measurement and control engineering, evaluate the results and form conclusions, arrange these processes into a dissertation, and publish them.</li> </ul>	<ul style="list-style-type: none"> <li>· In the integrated field of electronic/information/measurement and control engineering, he/she can communicate effectively with other people in a community or organization, and has the dynamism to independently tackle problem solving with a sense of social and ethical responsibility.</li> </ul>

## 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. <a href="https://www.kitakyu-u.ac.jp/env/lang-en/admissions.html">https://www.kitakyu-u.ac.jp/env/lang-en/admissions.html</a>
Examination Site	The University of Kitakyushu Hibikino Campus (1-1 Hibikino, Wakamatsu-ku, Kitakyushu, Fukuoka)
Announcement of Examination Results	July 14, 2021 (Wednesday)

### ※ 【About Online Selection】

After consulting with the professor whom you wish to be supervised in advance, we may conduct online oral examinations instead of the regular examination subjects only if the permission of the Graduate School Management Committee is approved. (See P.5)

## 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

### ◆October 2021 Enrollment

Those who have completed 16 years of school education outside Japan and meet any of the requirements from (1) to (3).

- (1) To have obtained or expected to obtain Master's Degree by September 30, 2021.
- (2) To have obtained or expected to obtain Master's Degree or proportionated Degree outside of Japan by September 30, 2021.
- (3) To be 24 years old (or older) as of September 30, 2021, and recognized as equivalent to academic abilities of obtaining Master's Degree through our screening of entrance  
※Entrance Qualifications Screening will be given before application submitted.

## ◆April 2022 Enrollment

Those who have completed 16 years of school education outside Japan and meet any of the requirements from (1) to (3).

- (1) To have obtained or expected to obtain Master's Degree by March 31, 2022
- (2) To have obtained or expected to obtain Master's Degree or proportionated Degree outside of Japan by March 31, 2022.
- (3) To be 24 years old (or older) as of March 31, 2022, and recognized as equivalent to academic abilities of obtaining Master's Degree through our screening of entrance qualifications.  
※Entrance Qualifications Screening will be given before application submitted.

### 【Entrance Qualifications Screening※・Online Selection Screening】

※Only for whom applying the (3) above.

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

- (a) Documents for Submission
  - Application Form (Form 1)
  - Research Plan Survey (Form 4)
  - Screening Application Form (Form 5)
  - Official transcripts issued by graduated or current university/school.
  - Details of previous academic performances and research
- (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 those 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

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. <b><u>You must contact the professor you wish to have as your research supervisor before applying.</u></b>
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.
Examination Fee (¥30,000) * Bank charges incurred when wiring the money from an overseas bank account are to be paid by the remitter.	<b>【Applicants in Japan】</b> Buy “a postal order (Yubin Kawase)” worth ¥30,000 from a post office in Japan and send it with other application documents. <b>*Do not write anything on the postal order.</b> <b>【Overseas Applicants】</b> ※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.  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  (Note) All bank transfer fees must be covered by the remitter (i.e. the applicant).  <b>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.</b> <b>For banking charges in the country from which the applicant is applying, it is up to the applicant to check the amounts.</b>



<p>For following applicants  "Computer Science,  "Applied Information  Systems</p> <p>Any one of the followings:  TOEIC (TOEIC L&amp;R)  Official Score Certificate,  TOEIC (TOEIC L&amp;R)-IP  Test Score Report, or  TOEFL-iBT Score Report.</p>	<p>Official scores must be taken within 24 months from the month that the application period starts.  Please See <b>5. Selection Process and Examination Subjects</b> to find which Course requires these scores and submit one of the followings.</p> <p>①TOEIC (TOEIC L&amp;R) public test: <u>the original Official Score Certificate and a copy.</u></p> <p>②TOEIC (TOEIC L&amp;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><b>【Others】</b>  * Original documents are to be returned to applicants later.  * 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).  * Applicants, who have already submitted test scores during the application period, may 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><b>Applicants in Japan</b> : Submit a Certificate of Residence that has been issued within one month of the application.  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.

### 【About Online Selection】

After consulting with the professor whom you wish to be supervised in advance, we may conduct online oral examinations instead of the regular examination subjects only if the permission of the Graduate School Management Committee is approved.

### 【Examination Subjects】

#### ◆ Graduate Programs in Environmental Systems

##### ○Resources and Chemical Systems

Examination Subjects	Japan Time
Oral examinations • Interview (Including a presentation concerning previous research results and a research plan for Graduate School of Environmental Engineering) (Presentation using File Sharing Function)	13 : 30 –

(Note) All examinations are given in English. Please provide all answers in English.

##### ○Biosystems

Examination Subjects	Japan Time
Oral examinations • Interview (Including a presentation concerning previous research results and a research plan for Graduate School of Environmental Engineering) (Presentation using File Sharing Function)	13 : 30 –

(Note) All examinations are given in English. Please provide all answers in English.

##### ○Environmental and Ecological Systems

Examination Subjects	Japan Time
Oral examinations • Interview (Including a presentation concerning previous research results and a research plan for Graduate School of Environmental Engineering) (Presentation using File Sharing Function)	15 : 00 –

(Note 1) All examinations are given in English. Please provide all answers in English.

(Note 2) If you have a document certifying your language skills in Japanese or English, please send it with application documents. (Example: Your score in the Japanese Language Proficiency Test, TOEIC (TOEIC L & R) Score, TOEFL iBT Score, etc.) ※ This is not mandatory.

## ◆ Graduate Programs in Environmental Engineering

### ○Mechanical Systems Engineering

Examination Subjects	Japan Time
Oral examinations • Interview (Master's thesis or previous research results)	13 : 30 -

(Note) All examinations are given in English. Please provide all answers in English.

### ○Architecture

Examination Subjects	Japan Time
Oral examinations • Interview (Including a presentation concerning previous research results and a research plan for Graduate School of Environmental Engineering)	15 : 30 -

(Note) Examination will be conducted in both English and Japanese. If you choose in Japanese, we might confirm your English skills.

## ◆ Graduate Programs in Information Engineering

### ○Computer Science(Note 1)

### ○Applied Information Systems(Note 1)

Examination Subjects	Japan Time
English (Note 2) (Note 3)	—
Oral examinations • Interview (Including a presentation concerning previous research results and a research plan for Graduate School of Environmental Engineering) (Presentation using File Sharing Function)	13 : 30 -

(Note 1) All examinations are given in English. Please provide all answers in English.

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

(Note 3) Students may be exempted from this subject on based on their academic or research history, or if they have a refereed paper in English. Those who prefer screening need to apply as follow.

#### a. Documents for Submission

- Application Form (Form 1)
- English Examination Exemption Application Form (Form 6)
- Copy of a refereed paper in English (one or more)

#### b. Application Deadline: April 16 (Fri), 2021

#### c. Submit & Contact to:

The University of Kitakyushu, Administrative Office,  
Entrance Examinations Division, Academic Affairs Department  
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.

## 6. Examination Site

The University of Kitakyushu, Hibikino Campus  
(1-1 Hibikino, Wakamatsu-ku, Kitakyushu, Fukuoka)

※Refer to the Map on the back cover of this admission guide.

※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)

### «Online Selection»

**For specific adjustments related to online interviews, the professors of each course will contact the applicant later.**

## 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 II Entrance Examination 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 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, wrist watch (without calculation, translation, and dictionary functions). We cannot provide any test-taking materials.
- (5) Do not come to the test site by car.

### «Online Selection»

- (1) We require you to show us test admission card when the online examination. If you have not received the card three days prior to the examination date, contact to Entrance Examinations Division (nyushi@kitakyu-u.ac.jp).
- (2) Please be ready to connect to the Internet 20 minutes before the examination starts.
- (3) Interview time may change depending on the number of applicants.

## 8. Announcement of Examination Results

The application numbers of successful examinees will be displayed on the university website. A Letter of Success will also be sent to the successful applicants. We will not respond to telephone inquiries regarding the results.

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

## 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	¥30,000	
Personal accident insurance	3 years' coverage      ¥2,600	
Personal liability insurance	3 years' coverage      ¥1,020	

(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

**Doctoral Course** 12 credits are required to complete.

### 《 Details 》

- 6 or more credits from specialized subject (credits can be earned from other courses or other programs.)
- 6 credits from Special Research Subjects. (Special Research)

## 【Graduate Programs in Environmental Systems】

<b>《 Specialized Subjects 》 (2 credits each)</b>
Advanced Polymer Chemistry
Advanced Solid State Materials Chemistry
Advanced Separation and Purification Engineering
Spectroscopic Analysis
Advanced Energetic Chemistry
Advanced Inorganic Materials Engineering
Advanced Kinetics and Reaction Engineering
Advanced Process Design
Advanced Catalytic Reaction Chemistry
Applied Materials Systems
Advanced Air Pollution and Its Controlling Engineering
Special Lectures on Resources Chemical System
Advanced Ecological and Environmental Physiology
Advanced Functional Microbiology
Advanced Biophysics
Advanced Computational Chemistry
Advanced Biomaterials
Advanced Biosensor Engineering
Advanced Ecosystem Science
Advanced Environmental Biology
Advanced Energy and Environmental Engineering
Advanced Molecular and Cellular Biosciences
Advanced Urban Environmental Management
Advanced Sustainable Management
Advanced Environmental Information Technology and Computer Simulation
Advanced Environmental Chemistry
Advanced Recycle Engineering
Advanced Aquatic Environment Engineering
Advanced Geosphere Environment Treatment
Advanced Recycling System Engineering
Advanced Studies in Environmental Pollution and Health Risks
Advanced Sustainable Sanitation Engineering
Advanced Research Methods of Environmental Issues in Asia
Advanced Environmental Principles
<b>《 Special Research Subjects 》 (6 credits)</b>
Special Research

## 【Graduate Programs in Environmental Engineering】

<b>《Specialized Subjects》 (2 credits each)</b>
Special Lectures on Heat Power Systems
Special Lectures on Flow Control Systems
Special Lectures on Design Systems
Special Lectures on System Control Engineering
Special Lectures on Measuring Systems
Supervised Research on the Urban Environment and Ecological Design
Supervised Research on the Environmental Design of Living Spaces
Supervised Research on Environmentally Conscious Materials Engineering
Supervised Research on Trans-Generational Architectural Design
Supervised Research on Urban Environmental Engineering
Supervised Research on Environmental Engineering in Architecture
Supervised Research on Structural Analysis
Supervised Research on Building Systems and Construction Methods
Supervised Research on Building Facilities Systems
Supervised Research on Building Materials
Supervised Research on Low Carbon Architecture and Urban Design
<b>《Special Research Subjects》 (6 credits)</b>
Special Research

## 【Graduate Programs in Information Engineering】

<b>《Specialized Subjects》 (2 credits each)</b>
Advanced Adaptive Signal Processing
Advanced Visual Information Processing
Advanced Applied Pattern Recognition
Advanced Information Security
Advanced Image Processing
Advanced Mobile Communication Systems
Advanced Information and Communication Theory
Advanced Combinatorial Optimization
Advanced VLSI Physical Design
Advanced System Control Theory
Advanced Network Architecture
Advanced Medical Engineering
Advanced Embedded Hardware Systems
Advanced Machine Learning
<b>《Special Research Subjects》 (6 credits)</b>
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
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
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
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
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

**【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
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.
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
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
Hoki Kazuaki	Earthquake Resistant Engineering

## 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.
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
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