

April 2024 Admission

October 2024 Admission

Doctoral Degree Program

Graduate School of Regional Development and Creativity

Utsunomiya University

Round 3 Recruitment

General Screening

Special Screening by Recommendation

Special Screening for Applicants

with Full-Time Employment

Special Screening for International Students

Utsunomiya University

“A Wealth of Ideas for the Community and

New Knowledge for the World”

For those applicants who have suffered from a disaster such as earthquake, wind, or flood damage, Utsunomiya University can provide an exemption from the entrance examination fee. For details, please see page 14. In addition, the university is willing to provide support to those applicants for whom the entrance fee and tuition are an exceptional financial burden. Thus, students who cannot meet the financial needs for enrollment should consult the university for support.

☆ Overall Schedule

| | General Screening Special Screening by Recommendation Special Screening for Applicants with Full-Time Employment Special Screening for International Students |
|--|--|
| Online Application Pre-Registration Period | November 20 (Mon.) to November 29(Wed.), 2023 To 3:00 pm |
| Period of Receiving Applications | November 27(Mon.) to November 29(Wed.), 2023 9:00 am to 4:00 pm |
| Entrance examination | December 15(Fri.), 2023 From 9:00 am |
| Announcement of Acceptance | December 27(Wed.), 2023 From 10:00 am |

Handling of personal information

Personal information submitted to apply to the program (e.g., name, date of birth, gender, address, academic records, and entrance examination results) are used within the range of purposes listed below and shall be handled with appropriate care.

- ① Administrative operations leading up to entering the program (e.g., applicant screening and entrance formalities)
- ② Administrative operations after entering the program (e.g., issuance of student IDs, guidance counseling, creation of lists of names, etc.) and for student life-related matters (e.g., scholarships, exemption from tuition fees, etc.)
- ③ Other administrative operations required to carry out education, research, and student support, and to prepare statistical and analytical data, etc.

Changes to the Entrance Examination Schedule and Screening Method Due to the Spread of the New Coronavirus

Due to the spread of the new coronavirus, the entrance examination schedule and screening method may change. Any changes will be announced on the entrance exam information page of the university's website, so please check the website at any time.

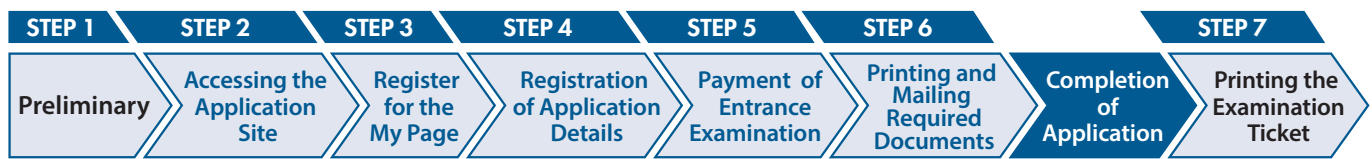
<https://www.utsunomiya-u.ac.jp/admission/graduate.php>

Inquiries

Administrative Office for Admission Center, Utsunomiya University
350 Mine-machi, Utsunomiya-shi, 321-8505 Tel: 028-649-5405

Online Application Flow

The process to complete the application is as follows.



STEP
1

Preliminary Preparation

Please prepare a computer with an Internet connection and a color printer.
The required documents may take some time to be issued.
Please start preparing early, and be sure to have them on hand before you apply.

STEP
2

Accessing the Application Site

From online application site ▶ <https://e-apply.jp/ds/utsunomiya-gs/>

STEP
3

Register for the My Page

According to the instructions on the screen, enter the required information to register for the My Page.
If you have already registered for the My Page, proceed to STEP4.

- ① If you register for the first time, log in from My Page Registration
- ② Register your e-mail address and click on Send an e-mail for temporary registration >
- ③ Click on To log-in page from the user registration screen.
- ④ A default password and a URL for the definitive registration will be sent to your registered e-mail address.
*Configure your e-mail settings to receive e-mails from the domain of "@e-apply.jp".
- ⑤ On the log-in screen, click on log-in using your registered e-mail address and the "default password" you received in step ④.
- ⑥ Change your default password.
- ⑦ Enter your personal information and click on Next
- ⑧ Confirm your personal information and click on Register this information



⑨ Registration is complete. Click on **To My Page**



⑩ When the above page appears, My Page registration is complete.

*Only while applications are being accepted, you can proceed to the application procedures by clicking on the **Carry out the application procedure** button. You cannot proceed from here onward during times outside the registration period. Click on the **Log-out** button.

STEP

4

Registration of Application Details

Make sure to confirm the procedures and important notices on the screen, and then enter the required items according to the instructions on the screen.



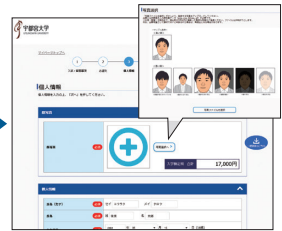
① After logging in to My Page, click on the **Carry out the application procedure** button, and the registration page will appear.



② Select an entrance examination and confirm important notices.



③ Select the Major and Graduate Program, etc.



④ Upload a facial photo. Click on the **To Photo Selection** button to select a photo.



⑤ Enter personal information (name, address, etc.).



⑥ Confirm your application information. Click on the **Application Form (sample)** button, and you can confirm your application form.

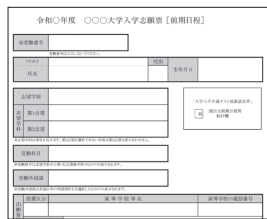


⑦ Registration for application is complete. Click on the **pay** button, and you will be redirected to the page where you can pay the entrance examination fee.



⑧ Payment methods for entrance examination fees.

- Convenience stores
- Pay-easy compatible ATMs
- Online banking
- Credit cards



⑨ Documents required for the application in PDF format (images)

*The documents can be printed out after the payment of the entrance examination fee.

If you have selected "Convenience Store" or "Pay-easy compatible ATMs" as your payment method, write down a payment number on the memo space below, which will appear after the selection of a payment method, and make the payment at a convenience store or a Pay-easy compatible ATM within the "payment deadline" as notified to you.

For 7-ELEVEN

A payment slip
A payment number memo (13 digits)

For LAWSON, MINISTOP, FamilyMart, Pay-easy compatible ATMs

A customer number memo (11 digits)

A confirmation number memo (6 digits)

For Daily YAMAZAKI, Seicomart

An online settlement number memo (11 digits)

A receiving agency number (5 digits) **5 8 0 2 1**

*A receiving agency number is required for payment by Pay-easy.

A confirmation e-mail will be sent to you after the registration for application is completed. If you have restricted the receipt of e-mails, please allow e-mails from the sender (@e-apply.jp) to be received. *Please be careful that confirmation e-mails may be sorted into your junk e-mail folder, etc.

Please be careful not to enter incorrect information, as it is not possible to correct or change the registered information after the registration for application is completed. However, if you have not yet paid the entrance examination fee, you can practically correct the information by re-registering using the correct application information.

*Please note that if you have selected a credit card in "Payment Method for the Entrance Examination Fee," the payment will be completed simultaneously with the registration for application.

STEP

5



Payment of Entrance Examination Fee

1 Payment by credit card

Select this when you register your application details, and complete the payment.

[Credit cards accepted]

VISA, Master, JCB, AMERICAN EXPRESS, MUFG card, DC card, UFJ card, NICOS card



Payment completed at the time of registration of application

2 Payment via online banking

After registering your application details, you will be redirected to the financial institution's site. Please follow the instructions on the screen to make your payment.

※ You must have an online banking account to make your payment.

Completion of the procedure on the Web

3 Payment at a convenience store

Take note of the number required for payment displayed after registration of the contents of the application.

● Payable in cash

● Payable using the store terminal



Loppi



Multi-functional copy machine or Fami Port



4 Payment at ATMs of banks that accept PAY-EASY

After you have registered your application details, please take down the necessary number for payment, follow the instructions on the screen and make the payment

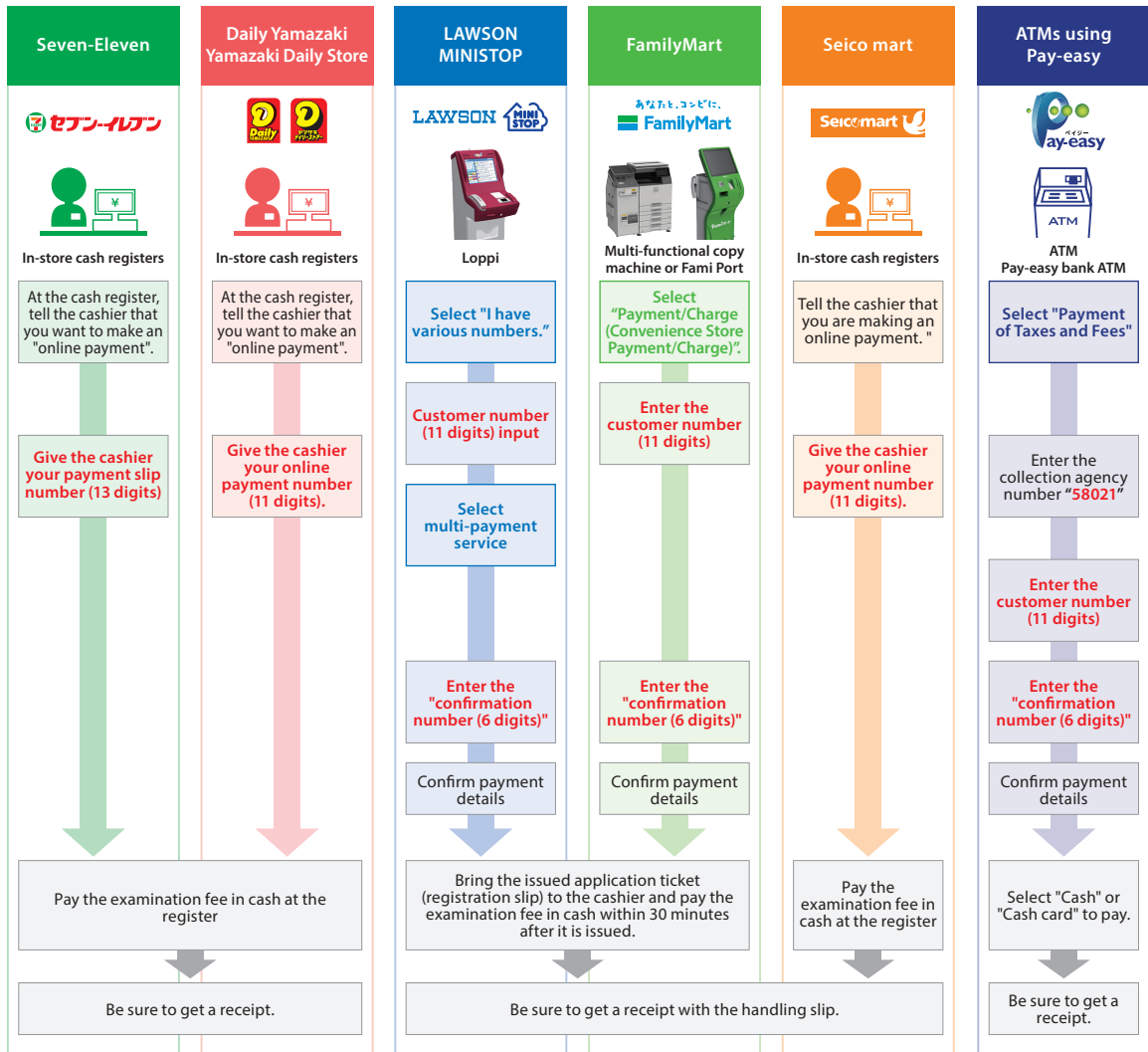


※ Check the "Select payment method" screen for available banks.

Please follow the instructions on the screen of the convenience store terminal or ATM and enter the necessary information. After confirming the information, please pay the entrance examination fee.

3 Convenience stores

4 Bank ATMs



STEP

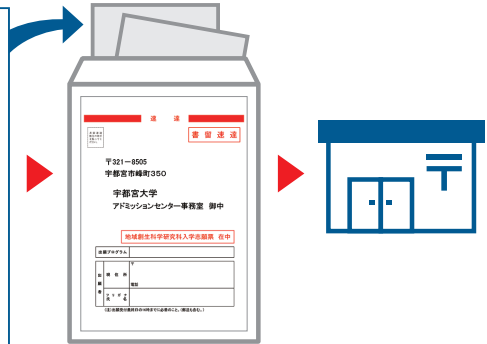
6



Printing and Mailing the Required Documents

Print out all the downloadable documents in color after the application registration and the entrance examination fee have been paid and send them together with other required documents via registered/express mail (kakitome/sokutatsu mail) from the post office within the application period.

Prepare the documents required for the application by referring to the application guidelines. In addition to the documents to be printed from the online application site, there are other documents such as those that need to be requested from the universities and documents to be prepared by downloading the form from the homepage of the university, so please prepare these beforehand.



Address sheet for submitting your application

Attach the sheet to a commercially available Kaku 2 envelope (24cm x 33.2cm).

The mailing address of your application will be automatically printed on the address sheet.

Application documents

One copy is required for each application registration. Please refer to the application guidelines for the documents required for application.

※The entrance examination fee and necessary documents that have been received shall not be returned in any way except for those specified in the application guidelines.

How to print out the "Web Application Form"



- (1) Click on the Print Application Form button shown on the My page.
- (2) Once the payment has been successfully completed, you will be able to click on the Print Application Form button to print out the web application form.

Completion of application

Precautions when applying

The application process is completed by registering on the online application site, paying the entrance examination fee, and sending the required documents by mail. Please note that your application will not be accepted if the application documents are not received by the deadline even after registration is completed.

Online application is available 24 hours a day. The deadline for application registration and payment of the entrance examination fee is 3:00 p.m. on the application due date (business hours vary depending on the facility, such as convenience stores and ATMs). Please send the required documents by mail within the time specified in each application guideline. Please make sure to apply well in advance.

STEP

7



Printing the Examination Ticket

When the application is accepted and the application form can be printed, you will be notified through the e-mail address you have registered. If you do not receive the e-mail, please log in to the online application site on the day before the examination, print the form out on an A4 paper, single-sided and in color, and bring this with you on the day of the examination.



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Overview of the Graduate School of Regional Development and Creativity

【Philosophy】

The School will foster highly capable human resources who support the creation of social design and innovation to solve the problems of the 21st century and contribute to establishing a sustainable and prosperous society while promoting unique and competitive research in science, technology, and innovation for the Sustainable Development Goals (STI for SDGs).

In particular, the Doctoral Program will develop human resources who possess advanced expertise, pursue independent research, and actively take on integrated and diversified domains by drawing on their extensive knowledge and skills. Simultaneously, the School will promote advanced transdisciplinary research to solve various problems in the local community and broader society, and conduct educational research that creates new interdisciplinary domains.

【“Region” in the Graduate School of Regional Development and Creativity】

The School does not define “region” simply as a space or sphere in the geographical or physical sense of the word. According to our definition, “region” is a dynamic and diverse concept that refers to a research theme established in response to the issue at hand. Further, it is part of an interactive chain consisting of “local,” “regional,” “national,” and “global” components.

As a university located in Tochigi Prefecture in the northern Kanto area, we actively pursue initiatives that contribute to the welfare of the local public sector, industry, and residents. In addition, we promote education and research encompassing diverse fields that correspond to the “regions” emphasized by each of these stakeholders. These fields include local communities, cities, regions (in the conventional sense of the term), the nation, and the international community.

【Division • Graduate Program】

Division of Advanced Transdisciplinary Science (Enrollment Capacity: 25 students)

| Graduate Program | Degree Awarded |
|--|--|
| Optics and Bio Design Program | Doctor of Optical Science and Engineering, Doctor of Agriculture, Doctor of Engineering |
| Advanced Engineering Systems Design Program | Doctor of Engineering |
| Global and Regional Development Design Program | Doctor of International Studies, Doctor of Arts, Doctor of Engineering |

【Educational Mission】

○Division of Advanced Interdisciplinary Science

The Division will develop highly capable professionals who possess the 3C Spirit (Challenge, Change, Contribute) plus 1 (Creation: creative thinking and practical skills). Such professionals include those who contribute to science, technology, and innovation for Sustainable Development Goals (STI for SDGs).

We will foster “inverted-T” human resources—individuals whose expertise is firmly grounded in broad and general academic skills—with a high level of expertise, particularly those who have the potential to become future leaders. They will actively involve themselves in new and evolving domains based on their existing knowledge and cultural sophistication. Being cognizant of the significance of their expertise with respect to today’s complex social challenges will motivate them to creatively address various issues with researchers from multiple disciplines.

○ Optics and Bio Design Program

Drawing on the University’s expertise in optical engineering and molecular agriculture, the Program will foster human resources who help in the advancement of various domains as engineers and researchers and contribute to the development of a sustainable society. The Program will integrate life sciences—which connect invisible genetic information (analysis of genes which are big data) with visible life phenomena (the practical application in the agricultural field)—with various perspectives of optical engineering and chemistry, thereby connecting biology with optics.

○ Advanced Engineering Systems Design Program

Materials, environment, electrical and electronics, information, machinery, architecture, and community development domains should play the following role in the local community and society, by drawing on the University’s expertise in Kansei engineering and robotics: integrate various disciplines to foster human resources who develop advanced innovations based on their extensive knowledge and produce world-class engineers who understand practical aspects, such as the social application of basic research in the living environment, and technology’s co-existence with humans.

○ Global and Regional Development Design Program

Drawing on the University’s expertise in multicultural coexistence and regional design, the Program will foster human resources who pursue sustainable development in accordance with globalization and help create a prosperous and peaceful society as forerunners in Japan and abroad. They will understand the current status and background of international cooperation, development, governance, and the formation of regional communities from a broad interdisciplinary perspective regardless of the size and scope of the phenomenon. They will acquire expertise for designing social groups that comprise various cultures and regional communities, institutions, spaces, and systems. Furthermore, they will acquire communication skills and learn how to actively serve the global community.

Admissions Policy of the Graduate School of Regional Development and Creativity (Doctoral Degree Program)

The ideal student

- Division of Advanced Interdisciplinary Science
 1. Well-rounded and wholesome individuals who are knowledgeable about and interested in diverse disciplines in addition to their own, and are eager to take on new, constantly evolving domains by drawing on the vast knowledge and cultural refinement they possess
 2. Individuals who possess unique and creative abilities, academic knowledge that can be flexibly applied, a global perspective, and an ambition to become a leader
- Optics and Bio Design Program
 1. Individuals who possess basic knowledge, cultural refinement, and master's level academic skills, so that they can pursue advanced learning in the domains of optical engineering, molecular agriculture, and chemistry and engage in research to complete a doctoral dissertation
 2. Individuals seeking to gain creative skills by acquiring extensive knowledge in various disciplines, in addition to their own
 3. Individuals who are eager to understand the role of their expertise in the local community and society, contribute to the local community, and play a leadership role
- Advanced Engineering Systems Design Program
 1. Individuals who possess basic knowledge, cultural refinement, and master's level academic skills, so that they can pursue advanced learning in the domains of materials, environment, electrical and electronics, information, machinery, architecture, and community development, and engage in research to complete a doctoral dissertation
 2. Individuals seeking to gain creative skills by acquiring extensive knowledge in various disciplines other than their own
 3. Individuals who are eager to understand the role of their expertise in the local community and society, contribute to the local community, and play leadership roles
- Global and Regional Development Design Program
 1. Individuals who possess basic knowledge, cultural sophistication, and master's level academic skills, so that they can pursue advanced learning in the domains of multicultural coexistence and regional design, and engage in research to complete a doctoral dissertation
 2. Individuals seeking to gain creative skills by acquiring extensive knowledge in various disciplines other than their own
 3. Individuals who are eager to understand the role of their expertise in the local community and society,

contribute to the local community, and play leadership roles

Basic Policy of the regarding the Screening of Applicants

1. Individuals who possess the basic academic skills, extensive knowledge, cultural sophistication, and reasoning skills necessary to conduct research for a doctoral dissertation
2. Individuals who possess the eagerness to learn from a wide variety of disciplines, as well as the passion for, and expertise in, their own field
3. Individuals who possess a proactive attitude, critical thinking skills, the ability to articulate themselves, communication skills, and a strong ethical sense

April 2024 Admission October 2024 Admission

Guidelines on Applying to the Graduate School of Regional Development and Creativity's Doctoral Degree Program at Utsunomiya University

I. Enrollment Capacity

【April 2024 Admission】

| Course | Capacity |
|--|----------|
| Division of Advanced Transdisciplinary Science | 15 |

【October 2024 Admission】

| Course | Capacity |
|--|------------------|
| Division of Advanced Transdisciplinary Science | Limited to a few |

II. Method of Screening Applicants

1. Application Requirements

Individuals to whom one of the following clauses applies:

- (1) Individuals who have completed a master's degree or professional degree program (a professional degree as stipulated in Article 5-2 of the Rules for Degrees (Ordinance of the Ministry of Education No. 9 of 1953); the same shall apply hereafter) or who anticipate such completion by the time of entry to the school.
- (2) Individuals who have completed a degree program in a foreign country equivalent to a Japanese master's or professional degree program or who anticipate completion by the time of entry to the school.
- (3) Individuals who have completed the classes required under the Japanese educational system through correspondence courses provided by schools overseas and who have completed a program equivalent to a master's or professional degree program or who anticipate completion by the time of entry to the school.
- (4) Individuals who have completed a program equivalent to a Japanese master's or professional degree program separately designated by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) at an educational institute of an overseas graduate school located in Japan, or who expect to complete such a program by the time of entry to the school.
- (5) Individuals designated by the Minister of Education, Culture, Sports, Science and Technology (Ordinance of the Ministry of Education No. 118 of 1989)
 - 1) Individuals who have completed an undergraduate program and have participated in research for two or more years at a university or research institute, and who are recognized by the Graduate School of Engineering as possessing academic ability equivalent to that indicated by a master's degree based on their research achievements
 - 2) Individuals who have completed 16 years of education in a foreign country or who have completed 16 years of Japanese education through a correspondence course provided by a school in a foreign country, and who have participated in research for two or more years at a university or research institute, and who are recognized by the Graduate School of Engineering as possessing academic ability equivalent to that indicated by a master's degree based on their research achievements
- (6) Individuals who the dean of the school recognizes as possessing academic ability equivalent to that indicated by a master's or professional degree during the individual admissions screening, and who will have reached the age of 24 by the time of entry to the school

2. Application requirements screening

If you plan to apply based on the application requirements (5) or (6), please refer to the “Acknowledgement of Application Requirements” on page 16.

3. Application Procedure

Note

Applicant should contact the research supervisor in advance and consult your research topic and content before submitting an application.

Advance consultation are limited to matters related to research activities and the curriculum after enrollment. We cannot answer questions related to entrance examination such as questions about past examination questions. In addition, past entrance examination questions are not published.

(1) Application Method

Only online applications are accepted. The application procedure is as follows.

| | | |
|---------------|--|---|
| Step 1 | Checking Application Guidelines | Before proceeding with the application, read the application guidelines carefully and review their contents. |
| ▼ | | |
| Step 2 | Registration of Online Application (See page ii for details) | Use the website below to access the online application and enter the necessary information. (https:// e-apply.jp/ds/utsunomiya-gs/) |
| ▼ | | |
| Step 3 | Payment of the Entrance Examination Fee (page iv for details) | Complete payment of the entrance examination fee according to the instructions on the online application site. |
| ▼ | | |
| Step 4 | Printing Required Documents | Print out the required documents from the online application site. |
| ▼ | | |
| Step 5 | Sending Required Documents | Send the required documents printed from the online application site and the university website along with all other required documents using the registered mail/ express delivery [kakitome/sokutatsu] so that they arrive at our university within the application period. |



| | | |
|--------------|---------------------------------|--|
| Step6 | Printing the Examination Ticket | If your application is accepted, you will be able to print out the examination ticket from the online application site after the end of the application period. Each applicant must print this out and bring this with them on the day of the examination. |
|--------------|---------------------------------|--|

(2) Application Period

| | Application Period | Deadline for registration of online application and payment of the entrance examination fee | Deadline for receiving application documents (must arrive on or before) |
|--|--|---|---|
| Graduate School of Regional Development and Creativity (Doctoral Degree Program) | November 27(Mon.) to November 29(Wed.), 2023 | November 29(Wed.), 2023 To 3:00 pm | November 29(Wed.), 2023 To 4:00 pm |

Application documents received after the deadline will not be accepted, so please send them well in advance, taking into consideration the postal situation.

(3) Submission method and address

As a general rule, applications should be sent via registered or express mail (kakitome/sokutatsu). If there are unavoidable circumstances that prevent you from submitting your application by mail, please submit it in person between 9:00 a.m. and 4:00 p.m. during the application period (excluding Saturday, Sunday and Holiday).

Administrative Office for Admission Center, Utsunomiya University
350 Mine-machi, Utsunomiya-shi, 321-8505

(4) Entrance Examination Fee

Entrance examination fee: ¥30,000

Please refer to the payment methods on the online application site and complete the payment using one of the following methods: convenience store payment, post office/bank ATM, internet banking, or credit card.

Applicants who are continuing with a graduate school program from Utsunomiya University's master's program are exempted from this payment.

The entrance examination fee will not be refunded for any reason after the application

documents have been received.

(5) Preliminary Preparation

| Before registering for the online application, please check and prepare the following in advance. | |
|---|--|
| Preparing your Computer | <p>Online applications can be completed using the following.</p> <p><Browser></p> <ul style="list-style-type: none"> • Latest version of Microsoft Edge • Latest version of Google Chrome • Latest version of Mozilla Firefox • Apple Safari 8 or later <p>※ Do not use multiple tabs simultaneously for the application. Having multiple tabs open to complete your application simultaneously may result in entries not being transferred to other tabs and other errors.</p> <p>※ We recommend using a computer to complete your application, especially since it requires you to print documents. If you are using a mobile device such as a smart phone or tablet, you can browse the site; however, we do not recommend using these since the screen may not be displayed correctly from some devices.</p> |
| Preparing e-mail address and settings | <p>An e-mail address is required for the application, so please prepare an e-mail address beforehand. You may use email addresses from your smartphones or mobile phones. If you need to alter your settings to be able to receive mail from specified domains, make sure that you can receive mail from the following domain:</p> <p>@e-apply.jp</p> <p>The following e-mails will be sent to the e-mail address you have registered at the time of application.</p> <ol style="list-style-type: none"> ① A test e-mail during registration of information for the online application, ② an automated e-mail sent upon completion of the application registration, ③ an automated e-mail sent upon completion of payment of the entrance examination fee, and ④ an e-mail notification when the examination ticket becomes available for viewing and printing. <p>※ Do not change your e-mail address until you have printed your examination ticket.</p> |
| Photograph of the Applicant (Preparation of documents) | <p>To register for the online application, you will need to submit your photograph (any file format, size up to 2MB). The photograph will be used for identification purposes, so please be ready with a color photograph of you taken within 3 months prior to the application, front view, upper body, no hat, and a plain background.</p> <p>Please note that the application may not be accepted if your photo hinders identification, such as those shown [Examples of unacceptable photos] below.</p> <p>[Examples of unacceptable photos]</p> <p>Blurred images, dark backgrounds, faces turned sideways, makeup or bangs covering the eyes, etc., which make it difficult to verify the applicant's identity; photos of more than one person; photos that have been altered; photos that have been developed and then re-shot; etc.</p> |
| Preparing other required documents | <p>Please prepare documents in addition to the forms to be printed from the online application site, such as a certificate of (Expected) graduation and a research plan, in advance so that they can be submitted in time for the application period.</p> |
| Kaku 2 envelope | <p>Prepare a commercially available Kaku 2 envelope (240mm×332mm) to submit the application documents.</p> |
| Preparation for printing forms (printer, papers, etc.) | <p>The forms from the online application site must be printed in color on A4-size plain paper, so please prepare a color printer and printing paper (plain paper, PPC paper, common OA paper, copy paper, etc.). You may also use printing services at public facilities or convenience stores, as long as they meet the printing requirements. (Please be careful with the handling of personal information.)</p> |

4. Application documents

- For documents marked “◇,” please download forms from the university's website (Admission Information). <https://www.utsunomiya-u.ac.jp/admission/examination.php>
- For documents marked “*,” please download the designated forms (Microsoft Word files) from the University’s website < <https://www.utsunomiya-u.ac.jp/admission/graduate.php> >, enter the required information, and print them on A4-sized paper for submission. Please do not change the layout of the forms that you have downloaded or revise them in any way.
- If there is any change to your address, contact location, or telephone number, please contact the Administrative Office for Admission Center without delay.
- If it is found that the items stated in the submitted documents are erroneous, your admission will be canceled.
- We will not return the documents or the entrance examination fee for any reason.

| Application documents | Notes |
|--|---|
| Application form | Please print out the application form in color on A4 size paper from the online application site. |
| ※ Letter of recommendation | If you apply through the Special Screening by Recommendation option, please submit a letter written by the president, faculty dean (graduate school dean), or department head of your university in a sealed envelope. |
| Transcript | <p>Please submit a document issued by the president or faculty dean (graduate school dean) of your university and in a sealed envelope. However, if you are expecting to complete a master’s program at Utsunomiya University Graduate School of Regional Development and Creativity, you may use a copy printed from a transcript machine. There is no need to seal your document.</p> <p>① Master's program transcript for applicants applying under application requirements (1), (2), (3), or (4)</p> <p>② Transcript from the last school attended for applicants applying under application requirements (5) or (6)</p> <p>If you have graduated from a university, etc. located in a country or territory where transcripts are not issued, please make sure to contact the Administrative Office for Admission Center before making an application.</p> |
| Certificate of (expected) completion of master's program | <p>Please submit a document issued by the president or faculty dean (graduate school dean) of your university. However, if you have completed (or are expected to complete) master’s program at Utsunomiya University Graduate School of Regional Development and Creativity, there is no need to submit such a document.</p> <p>If you have graduated from a university, etc., located in a country or territory where transcripts are not issued, please contact the Administrative Office for Admission Center before submitting an application.</p> |

| | |
|--|---|
| <p>※ Master's thesis summary and research progress report</p> | <p>Please create an abstract or research progress report in Japanese (about 2,000 characters) or in English (about 1,000 words) using the format specified by the University.</p> <p>① Those who have already submitted a master's thesis: an abstract of the thesis</p> <p>② Those who do not fall under ①: a progress report of their research</p> <p><u>Those applying to the Global and Regional Development Design Program</u></p> <p>In some cases, the Program may require a master's thesis, in addition to an abstract of the master's thesis. Please make sure to consult the instructor under whom you wish to study before submitting your application.</p> |
| <p>※ Research plan</p> | <p>Please submit a research plan in Japanese (about 2,000 characters) or in English (about 1,000 words) using the format specified by the University.</p> |
| <p>◇ Application form for those exempted from the entrance examination fee (Exemption Applicants Only)</p> | <p>① Government-financed international students who intend to apply for an extension of the scholarship payment period will be exempted from the entrance examination fee upon designated application. Please inquire with the Administrative Office for Admission Center before submitting an application.</p> <p>③ For those applying for fee exemption due to the damage caused by the earthquake, wind, or flood damage, please submit an "Application for exemption of entrance examination fee". (See page 14 "III Entrance Examination Fee" below for more details.)</p> |
| <p>resident's card Only for foreign nationals living in Japan</p> | <p>Foreign nationals residing in Japan must submit a copy of their certificate of residence (juminhyo) issued by the mayor of the city, town, or village where they live. The certificate must indicate their status of residence and the period of stay, but not the "My Number" (individual ID number). However, those enrolled in the University (including non-degree students and/or research students) are not required to submit their certificate of residence. They may instead submit a copy of their student ID. If you do not live in Japan, please contact the Administrative Office for Admission Center before submitting your application.</p> |
| <p>※ Online Interview Request Form</p> | <p>If you prefer an online interview, please provide the required information.</p> |
| <p>※ Permission to apply to the program</p> | <p>① Those enrolled in a doctoral program at another university at the time of application Please submit a letter of permission provided by your graduate school</p> <p>② Those applying through the Special Screening for Applicants with Full-Time Employment If you work in a government office, company, educational institution, etc. at the time of application, you may need the consent of your supervisor. Please consult the research supervisor of their choice under whom you wish to study to see if it applies to your case. If so, please include a permission letter from your supervisor in your application.</p> |

5. Printing the Examination Ticket

When the examination ticket becomes available for printing after the application entry period, you will be notified through the e-mail address you registered at the time of application. Please print out the examination ticket in color and bring it with you on the day of the examination.

6. Method of Screening Applicants

【General Screening, Special Screening by Recommendation, Special Screening for Applicants with Full-Time Employment, Special Screening for International Students】

- Students will be selected in a comprehensive manner by taking into account the results of an interview (including an oral examination) and the submitted documents.
- An interview (including an oral examination) will be conducted either face-to-face or online, and the oral examination will include the presentation of a research paper or research plan. We will also ask questions regarding the applicant's field of expertise.
- If you prefer an online interview, please select "Online Interview" as your preferred method on your application form and submit an online interview request form.

【Special Screening by Recommendation】

This Screening procedure is for individuals applying under application requirement (1) who fulfill the following conditions.

Requirements for Special Screening by recommendation

1. An individual with an outstanding academic record who is able to obtain a letter of recommendation from the department head or equivalent
2. An individual who can promise to enter the program

【Special Screening for Applicants with Full-Time Employment】

This Screening procedure is for individuals who are not registered as students at the time of application, and who have at least one year of work experience (at a corporation, government office, educational institution, etc., or as a self-employed worker).

In accordance with special programs for teaching as stipulated in Article 14 of the Graduate School Establishment Standards, the doctoral degree program of the Graduate School of Regional Development and Creativity offers special measures for working individuals, including classes at night. (Refer to page 19.)

【Special Screening for International Students】

This Screening procedure is for international students applying under application requirement (1), (2), (4), (5), or (6).

Individuals graduating from a university in Japan and who have completed a master's degree program at a graduate school in Japan are not eligible under this requirement and should instead apply under General Screening.

7. Examination Date & Time, Examination Venue

(1) Date and time of the entrance examination

December 15(Fri.), 2023 Oral exam and interview: 9:00 am to 5:00 pm

(Details will be provided to applicants after the application period.)

(2) Venue

- ① Personal Interview Utsunomiya University Mine Campus or Yoto Campus
(Details will be provided to applicants after the application period.)
- ② Online interview A private room with an internet connection that allows for an online video conference (No third parties are allowed during the interview.)

*Details regarding the online interview method will be provided to the applicant after the application period. Requirements must be met regarding the equipment and communication environment specified in the notices concerning online interviews on the University's website < <https://www.utsunomiya-u.ac.jp/admission/graduate.php>>

8. Announcement of Acceptance

December 27(Wed.), 2023 Scheduled for 10:00 am

The application numbers of those accepted will be posted on the University's website <<http://nyushi.utsunomiya-u.ac.jp/goukaku.html>>. Successful applicants will also receive acceptance letters by postal mail.

Inquiries regarding entrance examination results will not be accepted via telephone or other means.

9. Submission of Enrollment Pledge

Those who are accepted are requested to submit an enrollment pledge to the Administrative Office for Admission Center by

January 12(Fri.), 2024. The form will be sent to successful applicants along with an acceptance letter. If you do not plan to enroll, please submit a withdrawal letter (there is no specified format).

10. Export Security Measures

Utsunomiya University has adopted the "National University Security Export Control" protocol based on the "Foreign Exchange and Foreign Trade Law". This is directed at preventing international students from interfering with the maintenance of international peace and security by exporting restricted education/research contents. The following regulations have been established to comply with the security export control protocol.

- If a security export control examination is conducted, it may take a long time to complete, and depending on the examination results, the examinee may not be able to receive the desired education or research.
- After enrollment, there may be restrictions on the technology provided and the equipment used. In addition, if regulations are strengthened due to revision of laws, etc., it may become impossible to continue existing research work.

11. Advance Consultations on Special Accommodations for Examinations and Studies Due to an Illness, Injury, or Physical Handicap

If you need special accommodations for the entrance examination or for your studies due to an illness, injury, or physical disability, please consult the Administrative Office for Admission Center as early as possible before the final day of the advance consultation period stated below. If you require special accommodations for the entrance examination or for your studies due to a situation that occurred after the consultation period, please contact the Administrative Office for Admission Center as soon as possible.

(1) Final day of the advance consultation period

November 10(Fri.), 2023

(2) Submission of an advance consultation request

Fill in the following information on the Application Form for Prior Consultation (form is available on the website <http://www.utsunomiya-u.ac.jp/admission/examination.php>) and submit it along with a doctor's medical certificate (a copy is acceptable) to Administrative Office for Admission Center.

- ① Name, address, contact number, and a convenient time when you can be reached
- ② The type of screening under which you plan to apply, and program/degree
- ③ Details about the severity of your illness, injury, or handicap
- ④ Accommodations you need for the entrance examination
- ⑤ Accommodations you need during the course of your studies
- ⑥ Accommodations you received at your prior institution
- ⑦ Description of your daily condition

12. Matters Requiring Attention

(1) Inquiries regarding enrollment are accepted at the Administrative Office for Admission Center of Utsunomiya University

Please include a self-addressed return envelope (Naga 3 envelope with an 84-yen stamp affixed) when making an inquiry by post.

(2) The School does not arrange for applicants' lodging.

III. Entrance Examination Fee Exemption

In order to alleviate the economic burden of those who were affected by disasters etc. and to secure opportunities for students to enter the university, the university will take special measures to exempt the entrance examination fee as follows below.

(1) Exemption requirements

The exemption applies for applicants whose primary household resides in an area to which the Great East Japan Earthquake Disaster or the Relief Act (Act No. 118 of 1947) after March 2011 is applied, (hereinafter referred to as “the disaster”), and who falls under any of the following categories:

- ① Where the primary household supporter (father, mother, or any person who has the highest household income; hereinafter referred to as the “primary household supporter”) resides in an area covered by the Disaster Relief Act and resides in any of the following:

- (i) A person who has been issued a municipal certificate whose primary household supporter has been destroyed or suffered severe damage. (a) Total destruction, (b) Large-scale partial destruction, or (c) Half destruction
 - (ii) If the house where the primary household supporter resides or used to reside was in any of the following areas designated under the Special Measures Law for Nuclear Emergency Preparedness (Act No. 156 of 1999). (a) Warning area, (b) Planned evacuation area, or (c) Emergency evacuation preparation area
- ② Persons whose primary household supporter has died or gone missing due to a disaster.
- (2) Exemption procedure

Those who intend to receive an exemption from the entrance examination fee must submit an "Application form for exemption of entrance examination fee" with one of the following certificates (copy is acceptable) at the time of application:

- ① For persons under categories (1)①(i) or (ii) above, applicants must submit a certificate of damage or injury suffered from natural disaster.
- ② For persons under category (1)② above, applicants must submit a certificate confirming the loss of a primary household member due to a natural disaster.

Applicants having any questions about the documents to be submitted should contact the Administrative Office for Admission Center.

Any applicants who are determined not to fulfill the requirements for exemption will be contacted by telephone by the Administrative Office for Admission Center.

IV. Enrollment Formalities

1. Enrollment formalities period

Students enrolling in April 2024 shall do so in March. Students enrolling in October 2024 shall perform enrollment formalities in September 2024.

The details of enrollment formalities will be included in the letter of acceptance. Individuals who do not complete the enrollment formalities during this period will be deemed to have declined entry to the program.

2. Required documents

The required documents are an examination ticket and other forms designated by the University. Please do not lose your examination ticket because it is needed during the enrollment process.

Applicants who have submitted an application for admission under requirements (1), (2), (3), or (4) who anticipate completion of another educational program by the time of entry to the school shall submit a copy of a diploma or Certificate of Degree Conferred by the time of entry to the school. If you are not awarded a master's, professional degree, or the equivalent by the time of entry to the school, you will have your acceptance to the doctoral degree program revoked.

3. Entrance Fee, Tuition, and Other Financial Matters

(1) Entrance fee, tuition, and other financial matters

Entrance fee: 282,000 yen

Tuition: 535,800 yen (annual fee)

* The entrance fee and tuition are tentative amounts; they may be revised.

*If tuition is revised during the program period, the new tuition will apply from the time of revision.

* Half of the tuition (267,900 yen) shall be paid by each of the designated deadline.

(2) Personal accident insurance for students pursuing education and research as well as liability insurance(for 3 years) [as of April 2023]

3,620 yen

4. Exemption from the Entrance Fee and/or Tuition and Collection Postponement

(1) If payment of fees is recognized to be difficult due to special circumstances, the applicant may be fully or partially exempted from payment of the entrance fee and/or tuition.

The entrance fee is not exempted for students who enter the graduate program in October.

(2) If payment of the entrance fee and/or tuition is recognized to be difficult by the designated date, payment may be postponed temporarily.

In such cases, inquire with the Yoto Division of Student Affairs and Education for details.

V. Scholarships from the Japan Student Services Organization

Students who wish to apply for this scholarship should refer to the following website.

<https://www.utsunomiya-u.ac.jp/convenient/campuslife/exemption.php>

Acknowledgement of Application Requirements

1. Individuals subject to requirements screening

Individuals to whom the following (1) or (2) applies

(1) Individuals with a bachelor's degree to whom both of the following apply.

- ① Individuals who have completed their undergraduate studies and who have participated in research at a university or research institute for two or more years, or who have two or more years of work experience
- ② Individuals who have achievements in writing, academic theses, academic lectures, academic reports, or patents that are evaluated to be equivalent to or greater than a master's thesis

(2) Individuals who have graduated from or completed a program in a junior college, technical college (KOSEN), high school, vocational school, trade school, or another type of educational institution, fall under either ①, ②, or ③ below, and fulfill the requirement of ④

- ① Individuals who have completed a diploma course at a junior college or specialized vocational high school and have participated in research at a university or research institute for two or more years, or who have two or more years of work experience
- ② Individuals who are eligible for transfer to a university, such as those who have graduated from or completed a program in a junior college, technical college (KOSEN), or vocational school that confers degrees and have participated in research at a university or research institute for four or more years, or have four or more years of work experience
- ③ Individuals who are not eligible for transfer to a university, such as those who have graduated from or completed a program in a vocational school or trade school that does not confer any degrees and have participated in research at a university or research institute for six or more years, or have six or more years of work experience
- ④ Individuals who have achievements in writing, academic theses, academic lectures, academic reports, or patents that are evaluated to be equivalent to or greater than a master's thesis

2. Application procedure and other matters

A requirements screening will be conducted for individuals to whom one of the above applies. Applicants should submit the documents required to undergo screening by the deadline.

(1) Required documents

Please download the forms from the University website <<https://www.utsunomiya-u.ac.jp/admission/graduate.php>>, enter the required information, and submit the application.

| Documents to be submitted | Applicant subject to requirements screening (1) | Applicant subject to requirements screening (2) | Note |
|---|---|---|-------------------|
| Request for application requirements screening | ✓ | ✓ | Designated format |
| Written statement of the reason for application | | ✓ | Designated format |
| Resume | ✓ | ✓ | Designated format |
| Journal paper summaries, research progress report | ✓ | ✓ | Designated format |
| Research achievement record | ✓ | ✓ | Designated format |

| | | | |
|--|---|---|--|
| Copy of thesis, journal paper, etc. | ✓ | ✓ | |
| Transcript from the last school attended | | ✓ | |
| Diploma or certificate of completion from the last school attended | ✓ | ✓ | |
| Return envelope (Naga 3 envelope (120 mm× 235 mm)) | ✓ | ✓ | Self-addressed envelope, 374-yen stamp affixed |

(2) Application period

Submit the application to the Administrative Office for Admission Center between November 6(Mon.) and November 10(Fri.),2023 (excluding Saturday, Sunday and Holiday). Consult with the Administrative Office for Admission Center if you cannot submit the application within the designated period. Individuals who are recognized as qualified to apply for the program prior to the start of the application period should notify the Administrative Office for Admission Center by November 10(Fri.) ,2023

3. Screening results

- (1) Screenings will be conducted at Utsunomiya University's Graduate School of Regional Development and Creativity and individuals will be notified of the results by November 20(Mon.),2023.
- (2) Individuals who have been recognized as qualified to apply for the program should carry out the application procedure between November 27(Mon.) and November 29(Wed.), 2023, To 4:00 pm.

Special Cases of Education Methods as Stipulated in Article 14 of the Graduate School Establishment Standards

If deemed necessary for educational purposes, a special provision regarding education methods, as stipulated in Article 14 of the Graduate School Establishment Standards, may be granted to those. Based on this provision, the Graduate School of Regional Development and Creativity may provide special arrangements as necessary, such as holding classes at night (after regular hours from 17:40 until 20:50 hours) and on Saturdays (from 8:40 until 17:30 hours) and shortening the period of research for assignment projects. In addition, students may conduct doctoral dissertation research at the company, etc., where they work, if an instructor determines that the use of superior facilities and equipment owned by the company would produce more effective results.

If you seek to benefit from this provision, please consult the research supervisor of their choice under whom you plan to study before submitting your application.

*Article 14 of the Graduate School Establishment Standards

During studies at a graduate school, if special measures are deemed necessary for educational purposes, education may be provided through an appropriate method, such as class sessions or research instructions at night or other specified periods.

Extended Registration Period System

This system caters to students for whom it is difficult to complete the program within the standard three-year period because of employment or other reasons by permitting them to extend their period of study (up to a maximum of six years) in order to facilitate systematic course planning and effective learning. Course planning and the total number of credits are the same as under the standard three-program, which offers a significant reduction in time load per year.

When approval to extend the registration period has been granted, the three-year doctoral program can be completed, for example, in four years. In such case, the three-year tuition will be paid over a four-year period, which means the financial burden per year is also reduced by distributing the three-year tuition (six terms) over four years (eight terms). (If tuition is revised, recalculation will be made based on the revised fee.)

In order to be accepted into this system for extending the registration period, applicants must submit the required documents to the Dean of Utsunomiya University and obtain permission.

If, due to changing circumstances, an individual is unable to complete the program within the extended period, a further extension may be requested up to a maximum of nine years in total. The further extended period in excess of the standard extended period will be considered to be setback years and standard tuition shall apply. Students may newly apply for this extended registration period during the school year or revise the extension period (from four years to five years or from five years to four years) only once.

The application period for this program is as follows.

1. New application

- (1) Upon entry into the program: April admission: from the date of completion of enrollment procedures to the end of March of the relevant year;

- October admission: from the date of completion of enrollment procedures to the end of September of the relevant year

- (2) During the school year: April admission: by the last day of January of the beginning of the relevant term; October admission: by the last day of July of the preceding academic year of the beginning of the relevant term

2. Extension or shortening of the extended period

If you wish to extend the registration period, submit a change in the registration period by the last day of the 2 months prior to the final month of the extended period. If you wish to shorten the extended period, submit a change in the registration period by the last day of the 2 months prior to the intended month of completion.

Make inquiries regarding this system to the Yoto Division of Student Affairs and Education. Details will be provided to successful applicants at a later date.

【Reference】

Graduate School of Utsunomiya University Registration Period Extension (excerpt)

(Extended Enrollment Period)

Article 5: The period during which students are allowed to systematically pursue an educational curriculum beyond the standard enrollment period, referred to as the "extended enrollment period," shall generally be in one-year increments and subject to the following provisions:

- (1) Those acknowledged as extended enrollment students among new entrants shall have a maximum extended enrollment period of 4 years for master's degree programs and professional degree programs and 6 years for doctoral degree programs.
- (2) Any approved leave of absence periods during the extended enrollment period shall not be counted as part of the extended enrollment period.

(Enrollment Period)

Article 6: The enrollment period for extended enrollment students shall not exceed the period obtained by adding 2 years for master's degree programs and professional degree programs and 3 years for doctoral degree programs to the extended enrollment period.

Notwithstanding the provisions of the preceding paragraph, the enrollment period after re-entry shall not exceed the number of years obtained by subtracting the number of years of enrollment before withdrawal (rounding down to the nearest year) from the enrollment period specified in the same paragraph.

(Extension and Reduction of Extended Enrollment Period)

Article 7: Extension or reduction of the extended enrollment period permitted for extended enrollment students (including discontinuation of extended enrollment) may only be carried out once, within the limits defined in Article 5, when deemed necessary by the relevant departmental academic council, etc.

Those wishing to extend or reduce the extended enrollment period in accordance with the provisions of the preceding paragraph shall submit a "Request for Extended Enrollment Period Change" (Form No. 3) to the President within the period specified in Article 3, Paragraph 2, Item 2.

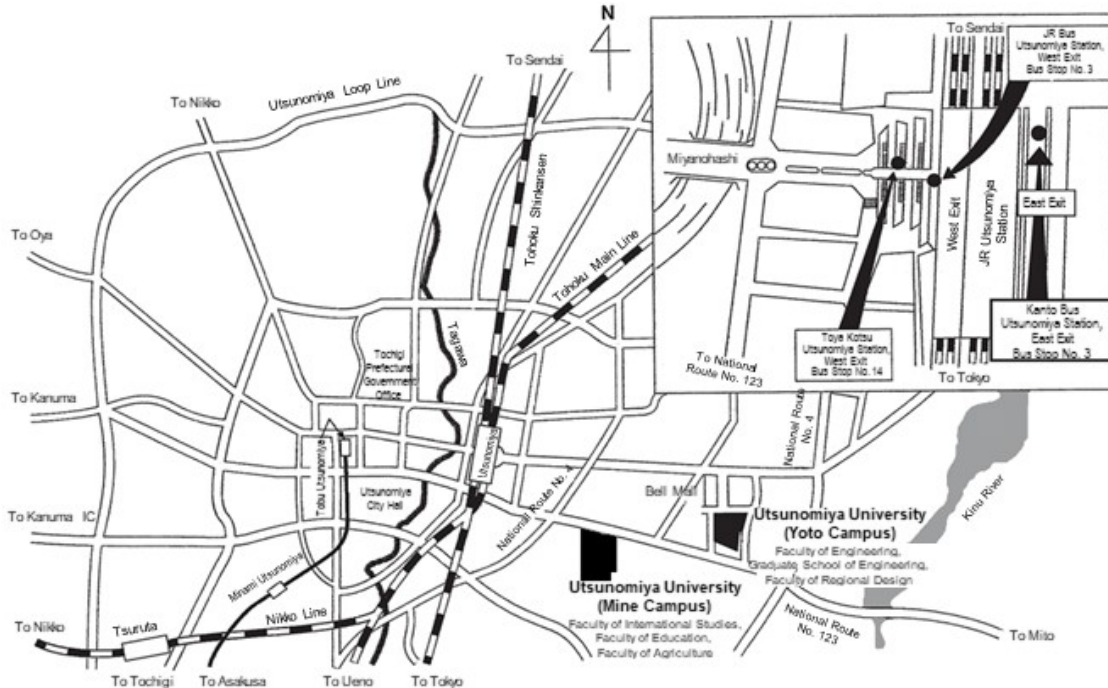
How to Access the Examination Venue

• Time from Tokyo

- JR Tokyo Station: Tohoku Shinkansen / approx. 1hr.
Ueno Tokyo Line, Utsunomiya Line/ approx. 2 hr.
- JR Shinjuku Station: Shonan Shinjuku Line, Tohoku Shinkansen /approx. 1 hr.15min. (Transfer at JR Omiya Station)
Shonan Shinjuku Line, Utsunomiya Line / approx. 1 hr. 50 min.
- Tobu Railway: From Asakusa Station to Tobu Utsunomiya Station/ approx. 2 hr. 30 min.
- Haneda Airport: Airport Limousine, Kanto Transportation / approx. 3hr.

• Time from Sendai

- JR Sendai Station: Tohoku Shinkansen / approx. 1 hr. 20 min.



• Access from JR Utsunomiya Station and Tobu Utsunomiya Station

◎Mine Campus (approx. 2.2 km from JR Utsunomiya Station)

- Kanto Bus (Bound for Mooka, Mashiko, Hoshinomori Junior and Senior High School , Bell Mall; Oroshi Danchi Junkan, etc.)

Board at JR Utsunomiya Station West Exit Bus Stop No. 14 and disembark at the Utsunomiya Daigaku-mae Bus Stop (approximately 10 min.)

Board at Tobu Utsunomiya Station Bus Stop and disembark at the Utsunomiya Daigaku-mae Bus Stop (approximately 20 min.)

- Kanto Bus (Bound for Oroshi Danchi Junkan, Bell Mall, Hoshinomori Junior and Senior High School.)

Board at JR Utsunomiya Station West Exit Bus Stop No. 3 and disembark at the Utsunomiya Daigaku-mae Bus Stop (approximately 10 min.)

◎Yoto Campus (approx. 4.2 km from JR Utsunomiya Station)

- Haga-Utsunomiya LRT (To Haga-machi Industrial Park Management Center)

Take from Utsunomiya Station East Exit, approximately 10 minutes ride to 'Utsunomiya University Yoto Campus' stop. And about 9-minute walk.

- Kanto Bus (Bound for Mooka, Mashiko, Hoshinomori Junior and Senior High School , Bell Mall, etc.)

Board at JR Utsunomiya Station West Exit Bus Stop No. 14 and disembark at the Kogakubu-mae Bus Stop (approx. 20 min.)

Board at Tobu Utsunomiya Station Bus Stop and disembark at the Kogakubu-mae Bus Stop (approx. 30 min.)

Note: Buses bound for other destinations will not stop at Kogakubu-mae.

Faculty members with a research guidance qualification

Optics and Bio Design Program

| Title | Name | Research content |
|-----------------|----------------------|--|
| Professor | FURUSAWA, Takeshi | A novel catalytic reaction system is proposed based on the knowledge of catalysis and chemical engineering. A highly active catalyst or functional material for energy and environmental processes is also developed. |
| Professor | HAGEN, Nathan Adrian | Spectral imaging, UV imaging, Infrared imaging, optical system design, statistical analysis of systems, computational sensing |
| Professor | HAYASAKI, Yoshio | Information photonics, computer-generated holography, digital holography, AI optics, volumetric display, computational imaging, and material laser micro-processing |
| Professor | IIMURA, Ken-ichi | Education and research on the properties and structures of organic ultrathin films as well as the functionalization thereof |
| Professor | KATO, Norihiro | Development of functional polymers and environment-responsive polymer gels as well as education and research on their applications to biological engineering |
| Professor | KODAMA, Yutaka | Organelle movements in plants |
| Professor | OBA, Toru | Development of anti-cancer drugs, molecular probes for cellular regulation, and fluorescent probes |
| Professor | OTANI, Yukitoshi | Optical measurement, polarization science, polarization engineering, opto-mechatronics |
| Professor | SATO, Masahide | Various process controls and optimization involving heat and property transfer at the interfaces between different phases with surface chemistry methods |
| Professor | SATO, Mie | Image display technology, human-computer interaction, image processing |
| Professor | SATO, Takafumi | Development of high efficiency reaction and separation process with supercritical fluids and membrane |
| Professor | SUGIHARA, Okihiro | Optical waveguide device using functional materials, optical fiber communication device/system, optical interconnection |
| Professor | UEHARA, Nobuo | Development of non-linear functional ligands, applied molecular instrumentation engineering |
| Professor | YAMAMOTO, Hirotsugu | 3D displays, depth perception, information display technology by use of spatio-temporal coding, digital signage |
| Associate Prof. | BARADA, Daisuke | Vectorial wave holography, optic and mechanical energy transfer, space-time optical signal analysis, general optical coordinates |
| Associate Prof. | FUJIMURA, Ryushi | Development of optical function materials (hologram recording materials, plasmonic metamaterials) and research on next-generation optical memory systems |

Optics and Bio Design Program

| Title | Name | Research content |
|-----------------|---------------------|---|
| Associate Prof. | HASEGAWA, Satoshi | Laser material processing with optical metrology and AI optics |
| Associate Prof. | ITO, Satoshi | Research on the synthesis of new functional organic compounds (dye, pigment, fluorescent dye, OSC, OPV, OLED) |
| Associate Prof. | KARIKOMI, Michinori | Development of de novo synthesis reactions and synthesis of organic compounds with unique structures by employing de novo synthesis reactions |
| Associate Prof. | MATSUMOTO, Taki | Liquid phase synthesis of inorganic and inorganic/organic composite materials, creation and increased sophistication of optical functional materials (photocatalysts, coatings, etc.) |
| Associate Prof. | MIYAKAWA, Hitoshi | Molecular mechanisms and evolutionary processes of environmental responses in arthropod species |
| Associate Prof. | MOROHOSHI, Tomohiro | Analysis of communication between microorganism at the genetic level and application of pathogenic technology |
| Associate Prof. | NINOMIYA, Nao | 3D turbulence measurement of thermal and fluid phenomena employing visualization and image processing technologies |
| Associate Prof. | SHINODA, Kazuma | Spectral and polarization imaging, image processing |
| Associate Prof. | SUZUKI, Tomohiro | Purification and structural determination of natural products. Genetic analysis using next generation sequencing. |
| Associate Prof. | TAMADA, Yosuke | Biological and molecular optics, understanding biological phenomena with bioimaging and optical cell manipulation |
| Associate Prof. | TAMESUE, Shingo | Development of polymer functional materials using supramolecular bonding |
| Associate Prof. | TEZUKA, Keitaro | Synthesis and properties of functional inorganic materials |

Advanced Engineering Systems Design Program

| Title | Name | Research content |
|-----------|-----------------------|---|
| Professor | FUJIKURA, Shuichi | Earthquake Resistant Design, Blast and Impact Load Resistant Design, Multi-hazard Resistant Design, Composite Structures of Concrete and Steel |
| Professor | FUNATO, Hirohito | Electric power control with power electronics, power electronics circuits, renewable energy generation |
| Professor | HASEGAWA, Hiroaki | Application of fluid mechanics in the fields of aviation, outer space, medicine, and sports |
| Professor | HASEGAWA, Hiroshi | Sound signal processing, sound measurement, wave theory and its applications |
| Professor | HASEGAWA, Madoka | Video encoding, image processing, digital watermarks, Web usability, usable security |
| Professor | HIGASHIGUCHI, Takeshi | Next-generation semiconductor lithography EUV illuminants, short-wave long lasers, ultra-short-pulsed lasers |
| Professor | HIRATA, Mitsuo | Robust control theory; sample control theory; high-speed, high-precision positioning control and industrial applications thereof |
| Professor | IRIE, Akinobu | Development of new-function quantum devices using a superconducting superlattice structure, research on nano-electronics |
| Professor | IKEDA, Hirokazu | Effects of flowing environments on the ecology of plants and fish in rivers, lakes, and marshes; added value with environmental information |
| Professor | ISHIDA, Kunio | Large-scale quantum-mechanical simulations on the photoexcitation/relaxation dynamics of solids |
| Professor | ISHIKAWA, Tomoharu | Models and applications for multisensory integration, development of information presentation technology applied to diverse senses, realization of pleasant viewing environments |
| Professor | ITO, Satoshi | MRI imaging and image reconstruction method, medical image processing, image restoration |
| Professor | KOGAMI, Yoshinori | Circuit technology for microwave millimeter waves and material evaluation technology |
| Professor | MABUCHI, Yutaka | Low/ High friction surface designed by micro /nano engineering |
| Professor | MASUDA, Hiroshi | Mechanical behavior of steel beam end connections, beam joints, press end connections, and column bases of steel building systems; earthquake resistance evaluation assessments of construction |
| Professor | NAKAJIMA, Shiro | Building recycling and resource usage Performance evaluation of wooden buildings and wooden materials |
| Professor | OOTSU, Kanemitsu | Analysis of computational systems, parallel processing, optimizing system software |
| Professor | OZAKI, Koichi | Robot vision, mobile robots, intelligence systems, farming robots, robot design |

Advanced Engineering Systems Design Program

| Title | Name | Research content |
|-----------------|-----------------------|--|
| Professor | SHIMAWAKI, Satoshi | Biomedical instrumentation and measurements, welfare engineering, musculoskeletal multibody simulation, biomechanics, and medical engineering |
| Professor | SUGIYAMA, Hisashi | Mechanism of cement hydration, high-strength concrete, maximized precast concrete curing |
| Professor | TOYAMA, Fubito | Evolutionary computation, image processing, pattern recognition |
| Professor | YAJIMA, Tetsu | Analysis of mathematical physics, computational physics, and unlimited flexibility integrable systems |
| Professor | YOSHIDA, Katsutoshi | Human dynamics, non-linear mechanics, stochastic mechanics |
| Professor | ZOU, Yanhua | Fundamentals and application of precision machining, special processing, electric and magnetic compound precision processing and magnetic grinding |
| Associate Prof. | AZUMA, Takehito | System control theory and research on applications to networking and system biology |
| Associate Prof. | FUJII, Masahiro | Wireless communication systems, telecommunication networks, ubiquitous communication |
| Associate Prof. | FUJIMOTO, Satoshi | Management and analysis of existing building stocks Maintenance and monitoring of existing building stocks |
| Associate Prof. | GOTO, Hiroki | Study of electrical motors/generators and their applications |
| Associate Prof. | HOSHINO, Satoshi | Robotics and Artificial Intelligence |
| Associate Prof. | IIMURA, KOSUKE | Coastal Engineering, River Engineering |
| Associate Prof. | KASHIWAKURA, Takayuki | Development of in-solid electronic state analytical technology, research on photoemission spectroscopy and X-ray emission spectroscopy |
| Associate Prof. | KOIKE, Masafumi | Theoretical elementary particle physics, mathematical physics |
| Associate Prof. | MARUOKA, Masanori | High-value-added concrete materials, technology for upgrading industrial by-product concrete materials |
| Associate Prof. | MORI, Hiroki | Analysis of verbal communication features and modelling, and application thereof to the advancement of man-machine interactions |
| Associate Prof. | MORI, Hiroshi | Computer graphics, image processing |
| Associate Prof. | NAKANO, Tatsuya | Research related to the evaluation and improvement of the mechanical performance of joint sections of steel buildings, development of design and construction techniques related to earthquake reinforcement, and repair of existing steel buildings |

Advanced Engineering Systems Design Program

| Title | Name | Research content |
|-----------------|--------------------|---|
| Associate Prof. | SAKUMA, Hiroshi | Development of point measurement devices, analysis of crystal structures, development of thin film and nano-particle production devices |
| Associate Prof. | SATO, Ryunosuke | Planarization process with mechanochemical polishing, nano-machining, ultrafine grinding, grinding processes |
| Associate Prof. | SEIKI, Takafumi | Structural stability of rock construction and long-term stability evaluation, effective use of underground spaces |
| Associate Prof. | SEKIKAWA, Munehisa | Non-linear dynamics, oscillator synchronization phenomenon, chaos |
| Associate Prof. | SHIMIZU, Takashi | Research on microwave, millimeter wave, and terahertz wave circuit technology as well as material evaluation technology |
| Associate Prof. | SUZUKI, Masayasu | Research on advanced control theory and its industrial applications |
| Associate Prof. | UNNO, Toshiyasu | Soil mechanics, Geotechnical engineering |
| Associate Prof. | WATANABE, Shinichi | Quantification of human psychological states, engineering education teaching methods and evaluation of education effects |
| Associate Prof. | YAJIMA, Takahiro | Geometric research on non-linear dynamics and continuum mechanics |
| Associate Prof. | YAMAKI, Kazuhiro | Synthesis and characterization of quantum functional materials. Development of novel devices |
| Associate Prof. | YAMAMOTO, Tokujiro | New functions and structure material inventions through material formation and atomic arrangement controls and assessment thereof, material properties, material formation, material evaluation |
| Associate Prof. | YODA, Hidehiko | Development of optical electronic devices and optical thin film devices required for optical communication and optical information processing |

Global and Regional Development Design Program

| Title | Name | Research content |
|-----------------|----------------------|--|
| Professor | ISHIKAWA, Yumiko | Psychology of special education, clinical developmental psychology, Research on communication development with artifact mediation |
| Professor | KAEWMANOTHAM, Malee | Regional and community studies, Development and community/community-based organization/community-based management in Thailand |
| Professor | MATSUI, Takako | Japanese culture, Comparative literature and culture, Japanese literature |
| Professor | MATSUKANE, Kimimasa | Chinese history, Taiwanese history, Buddhism |
| Professor | MATSUO, Masaki | Political economy, Middle East Area studies |
| Professor | NAKAMURA, Makoto | Emotion studies, Facial expressions and communication of emotion |
| Professor | NAKAMURA, Yuji | Public administration, Local autonomy |
| Professor | OHMORI, Nobuaki | Urban transportation systems, analysis of human and transportation activities, barrier-free town development |
| Professor | OHMORI, Reiko | Science and culture of diet, nutrition and health |
| Professor | QI, Jie | Research interests including postmodern theories and postcolonial theories in teacher education, multicultural education and language education. |
| Professor | SAKAMOTO, Kumiko | Area studies (Africa), Social development, Ethnobotany |
| Professor | SHIMIZU, Nanako | International Relations, International Organizations |
| Professor | SUZUKI, Keiko | Modern Japanese literature |
| Professor | TAKAHASHI, Toshimori | Landscape ecology, GIS, Remote sensing of environment |
| Professor | TAKAHASHI, Wakana | Global environmental politics, Comparative environmental politics |
| Professor | YOKOO, Noriyoshi | Energy-saving systems for construction and urban area |
| Professor | YONEYAMA, Masafumi | 19th-century literature of the United States |
| Professor | YOSHIDA, Kazuhiko | Multilingual communication, General linguistics, Foreign language education, Philosophy of linguistics, Philosophy of language |
| Associate Prof. | ISHII, Daiichiro | Community policy, Citizen participation, Nonprofit organizations |
| Associate Prof. | IZUHA, Takashi | Art History, Study on landscape painting and British culture |

Global and Regional Development Design Program

| Title | Name | Research content |
|-----------------|---------------------|---|
| Associate Prof. | KOGA, Takaaki | Construction safety, environmental psychology, construction plans, construction design |
| Associate Prof. | KOMURA, Manabu | Rural sociology, Social anthropology, Sociology of knowledge |
| Associate Prof. | KONDO, Shinya | Disaster reduction management, Disaster Educational Technology |
| Associate Prof. | MATSUMURA, Fuminori | International politics in East Asia, Chinese politics and diplomacy |
| Associate Prof. | MITA, Hiroka | Policy Process, Analysis of Policy Change, Regulation and Reregulation, Central-Local Relations |
| Associate Prof. | NAKAGAWA, Atsushi | Conversation Analysis, Long-distance caregiving, Sociology for aging |
| Associate Prof. | ONO, Tokiko | Russian literature and culture |
| Associate Prof. | OSADA, Teppei | City planning, Transportation planning, Logistics |
| Associate Prof. | SATOH, Eiji | Locations for establishing medical and welfare facilities (for nursing, the handicapped, and childcare), service level optimization |
| Associate Prof. | SUEYOSHI, Ana | Latin American political economy, South American immigrants in Japan and Nikkeijin studies |
| Associate Prof. | SUZUKI, Tomiyuki | Human geographical research on the formation and changes of tourist areas |
| Associate Prof. | TAKAYAMA, Keiko | Early modern history of Japan |
| Associate Prof. | TAKAYAMA, Michiyo | Japanese linguistics, Historical linguistics of Japanese |
| Associate Prof. | YAMADA, Yukiko | International journal, Hegelian philosophy, Society for ethics |