

# 2023

Enrollment in October 2022

[Comprehensive admission examination]

[General admission examination] (Schedule A)

[Special admission examination for working adults](Schedule A)

Enrollment in April 2023

[Comprehensive admission examination]

[Admission examination with recommendation]

[General admission examination] (Schedule A)

[Special admission examination for working adults](Schedule A)

## **Graduate School of Sustainability Studies** (Master's Course)

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- Social Data Science Program
- Global Sustainability Science Program

May 2022

## University of Toyama

In the event of an unexpected situation, such as the spread of novel coronavirus infection, the contents of the student application guidelines, including the examination schedule, may be changed. If it is necessary to make such changes, we will inform you on our website, and please be sure to check the latest information.

<https://www.u-toyama.ac.jp>

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## Admission Overview

### the Graduate School of Sustainability Studies (Master's Course)

#### Admission Quota

Program name	Category	Admission Quota
Social Data Science Program	Comprehensive Admission Examination	8
Global Sustainability Science Program	Admission Examination with Recommendation	A few
	General Admission Examination	(Schedule A) 8 (Schedule B) 2
	Special Admission Examination for Working Adults	(Schedule A) A few (Schedule B) A few
Total		18

The Graduate School of Sustainability Studies uses the admission quota of 8 students for the Integrated Arts and Human Sciences Course of the Graduate School of Humanities, Arts, and Social Science and 10 students for the Science and Engineering Course of the Graduate School of Science and Engineering.

Each admission quota includes the international student admission quota based on recommendation for October 2022 enrollment.

#### Admission Schedule

##### - Social Data Science Program

Category	Application period	Date	Announcement of Acceptance
Comprehensive Admission Examination	Wednesday, June 1 to Tuesday, June 7, 2022	Saturday, July 2, 2022	Tuesday, July 19, 2022

For the Comprehensive Admission Examination, a secondary selection may be held depending on the number of admitted students in the first selection, and the details will be announced in around November 2022.

**- Global Sustainability Science Program**

Category	Application period	Date	Announcement of Acceptance
Admission Examination with Recommendation	Wednesday, June 1 to Tuesday, June 7, 2022	Saturday, July 2, 2022	Tuesday, July 19, 2022
General Admission Examination (Schedule A)			
Special Admission Examination for Working Adults (Schedule A)			
General Admission Examination (Schedule B)	Scheduled for late December 2022.	Scheduled for early February 2023.	Scheduled for mid-February 2023.
Special Admission Examination for Working Adults (Schedule B)			

For Schedule B, an admission examination with recommendation intended for international students for enrollment in October 2023 will also be held, and the student application guidelines will be announced around November 2022.

## **Admission Policy the Graduate School of Sustainability Studies (Master's Course)**

### **Admission Policy**

The Graduate School of Sustainability Studies seeks students who have a strong interest and basic scholastic abilities in academic fields related to a sustainable society such as Data Science and Sustainability Science, and who are willing to contribute to the realization of a sustainable society as a highly specialized professional in the future.

**- Social Data Science Program**

Social Data Science Program seeks students who have basic scholastic abilities and are strongly motivated to study Data Science and AI, and who are willing to contribute to the realization of a sustainable society by utilizing their expertise and special skills in the future.

**- Global Sustainability Science Program**

Global Sustainability Science Program seeks students who have a strong interest in sustainability science and basic scholastic abilities, and who are motivated to become engineers and researchers who can contribute to the construction of a sustainable society by utilizing their expertise and special skills in the future.

## **Basic policy on selection (admission examination types and their evaluation methods)**

### **- Comprehensive Admission Examination**

Each applicant will be comprehensively evaluated with his/her knowledge acquired through the undergraduate course, abilities to establish the knowledge and skills necessary for the research subject and the solution, communication skills, and logical thinking ability by requiring each applicant to make a presentation about research and study plans, undergo an individual interview, and participate in a group discussion.

### **- General Admission Examination**

Each applicant will be comprehensively evaluated by an oral examination, the application documents (certificate of academic achievement, external English test score, and other documents), etc.

### **- Admission Examination with Recommendation**

Each applicant will be comprehensively evaluated by an interview (including oral questions about academic ability), the application documents, etc.

### **- Special Admission examination for Working Adults**

Each applicant will be comprehensively evaluated by an interview (including oral questions about academic ability), the application documents, etc.

# I. Comprehensive Admission Examination

## 1. Number of students to be admitted

Program	Admission Quota	
	Enrollment in October 2022	Enrollment in April 2023
Social Data Science Program	A few	8

## 2. Eligibility of application

Applicants shall be those who fulfill any of the following requirements:

- (1) A person who graduated from a Japanese university or is expected to graduate from it by the end of the previous month for enrollment.
- (2) A person who was granted a bachelor's degree or is expected to be granted it by the end of the previous month for enrollment by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed a 16-year school education course in a foreign country or is expected to complete it by the end of the previous month for enrollment.
- (4) A person who has completed a 16-year school education course of a foreign country by taking classes in Japan through distance education conducted by a foreign school or is expected to complete it by the end of the previous month for enrollment.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (hereinafter referred to as MEXT) conducted by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country, or is expected to complete it by the end of the previous month for enrollment.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course of three or more years at a foreign university or school (limited to institutions that have been evaluated on the overall status of their educational and research activities by a person who has got certified by the government or a governmental organization of the foreign country, or those that designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it by the end of the previous month for enrollment.

In the above “completing a course” includes the completion of the course by taking classes in Japan through distance education conducted by a foreign school, or completion of the course conducted by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.

- (7) A person who has completed a specialized course conducted by an advanced vocational school (limited to those fulfilling a term of study of 4 or more years and other criteria specified by the Minister of MEXT) and designated by the Minister of MEXT on or after the day specified by the

Minister of MEXT.

- (8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
  - (9) A person who has been enrolled in a university for 3 or more years or has completed a 15-year school education course in a foreign country as of the end of the previous month for enrollment, and has been recognized by the Graduate School of Sustainability Studies as having acquired the designated credits with an excellent academic record.
  - (10) A person from a foreign country that does not require 16 years for university graduation or a person equivalent thereto, who fulfills the following 2 requirements and is recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates:
    - a. A person who after completing university education, has been engaged in research for approximately 1 or more years as a research student, researcher, etc. or is expected to be engaged in research as a research student, researcher, etc. for approximately 1 or more years by the end of the previous month for enrollment at a university, an inter-university research institute corporation or equivalent research institution in Japan or a foreign country.
    - b. A person who will have turned 22 years old by the end of the previous month for enrollment.
  - (11) A person who has been recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates through an individual examination of eligibility for application, and will have turned 22 years old by the end of the previous month for enrollment.
- (Note) A person in any case of the Eligibility of Application (9), (10), or (11) is required to undergo an individual Examination for Eligibility of Application in advance. See “3. Examination for Eligibility of Application” on page 18.

### 3. Selection methods

- (1) Each applicant will be comprehensively evaluated with his/her knowledge acquired through the undergraduate course, abilities to establish the knowledge and skills necessary for the research subject and the solution, communication skills, and logical thinking ability by requiring each applicant to make a presentation about research and study plans, undergo an individual interview, and participate in a group discussion.
- (2) Examination venue: University of Toyama Gofuku Campus (3190 Gofuku, Toyama City)  
The details of the examination venue will be notified when sending the Examination Admission Card.

- (3) Examination date and subjects

Date	Time	Examination Subjects
Saturday, July 2, 2022	From 9:30	Group discussion
	From 13:30	Presentation and Interview

Starting time may be changed depending on the number of applicants and other situations. The details of the examination time will be notified when sending the Examination Admission Card.

Contents of the examination subjects

- Group discussion

Multiple applicants will form a group and discuss the topic assigned on the day of the examination (for approximately 45 minutes).

- Presentation

Each applicant will make a presentation on his/her research and study plans for 5 minutes (approximately 10 minutes including a question-and-answer session).

- Interview

An individual interview will be held for approximately 10 minutes to determine his/her aptitude for the desired program.



## II. Admission Examination with Recommendation

### 1. Number of students to be admitted

Program	Admission Quota
Global Sustainability Science Program	Enrollment in April 2023
	A few

### 2. Eligibility of application

Applicants shall be those who fulfill any of the following requirements:

- (1) A person who graduated from a Japanese university or is expected to graduate from it in March 2023.
- (2) A person who was granted a bachelor's degree or is expected to be granted it by March 31, 2023 by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed a 16-year school education course in a foreign country or is expected to complete it by March 2023.
- (4) A person who has completed a 16-year school education course of a foreign country by taking classes in Japan through distance education conducted by a foreign school or is expected to complete it by March 2023.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (hereinafter referred to as MEXT) conducted by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country, or is expected to complete it by March 2023.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course with a term of study of 3 or more years at a foreign university or another foreign school (limited to those that have been evaluated with regard to the overall status of their educational and research activities, etc. by a person who has got certified by the government or a governmental organization of the foreign country, or those that designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it by March 31, 2023.

In the above “completing a course” includes the completion of the course by taking classes in Japan through distance education conducted by a foreign school, or completion of the course conducted by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.

- (7) A person who has completed a specialized course conducted by an advanced vocational school (limited to those fulfilling a term of study of 4 or more years and other criteria specified by the Minister of MEXT) and designated by the Minister of MEXT on or after the day specified by the Minister of MEXT.

- (8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
- (9) A person who has been enrolled in a university for 3 or more years or has completed a 15-year school education course in a foreign country as of March 31, 2023, and has been recognized by the Graduate School of Sustainability Studies as having acquired the designated credits with an excellent academic record.
- (10) A person from a foreign country that does not require 16 years for university graduation or a person equivalent thereto, who fulfills the following 2 requirements and is recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates:
  - a. A person who after completing university education, has been engaged in research for approximately 1 or more years as a research student, researcher, etc. or is expected to be engaged in research as a research student, researcher, etc. for approximately 1 or more years by March 31, 2023 at a university, an inter-university research institute corporation or equivalent research institution in Japan or a foreign country.
  - b. A person who will have turned 22 years old by March 31, 2023.
- (11) A person who has been recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates through an individual examination of eligibility for application, and will have turned 22 years old by March 31, 2023.
- (Note) A person who intends to file an application in accordance with the Eligibility of Application (9), (10), or (11) is required to undergo an individual Examination for Eligibility of Application in advance. See “3. Examination for Eligibility of Application” on page 18.

### 3. Selection methods

- (1) Each applicant will be comprehensively evaluated with the Academic Transcripts from the schools he/she graduated from, the Letters of Recommendation, and the results of the interviews (including oral questions about academic ability).
- (2) Examination venue: University of Toyama Gofuku Campus (3190 Gofuku, Toyama City)  
The details of the examination venue will be notified when sending the Examination Admission Card.
- (3) Examination date and subjects

Date	Time	Examination Subjects
Saturday, July 2, 2022	From 9:30	Interview (Including oral questions about academic ability)

### III. General Admission Examination

#### 1. Number of students to be admitted

Program	Admission Quota	
	Schedule A	
	Enrollment in October 2022	Enrollment in April 2023
Global Sustainability Science Program	A few	8

#### 2. Eligibility of application

Applicants shall be those who fulfill any of the following requirements:

- (1) A person who graduated from a Japanese university or is expected to graduate from it by the end of the previous month for enrollment.
- (2) A person who was granted a bachelor's degree or is expected to be granted it by the end of the previous month for enrollment by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed a 16-year school education course in a foreign country or is expected to complete it by the end of the previous month for enrollment.
- (4) A person who has completed a 16-year school education course of a foreign country by taking classes in Japan through distance education conducted by a foreign school or is expected to complete it by the end of the previous month for enrollment.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (hereinafter referred to as MEXT) conducted by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country, or is expected to complete it by the end of the previous month for enrollment.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course with a term of study of 3 or more years at a foreign university or another foreign school (limited to those that have been evaluated with regard to the overall status of their educational and research activities, etc. by a person who has got certified by the government or a governmental organization of the foreign country, or those that designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it by the end of the previous month for enrollment.  
In the above "completing a course" includes the completion of the course by taking classes in Japan through distance education conducted by a foreign school, or completion of the course conducted by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
- (7) A person who has completed a specialized course conducted by an advanced vocational school (limited to those fulfilling a term of study of 4 or more years and other criteria specified by the

Minister of MEXT) and designated by the Minister of MEXT on or after the day specified by the Minister of MEXT.

- (8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
- (9) A person who has been enrolled in a university for 3 or more years or has completed a 15-year school education course in a foreign country as of the end of the previous month for enrollment, and has been recognized by the Graduate School of Sustainability Studies as having acquired the designated credits with an excellent academic record.
- (10) A person from a foreign country that does not require 16 years for university graduation or a person equivalent thereto, who fulfills the following 2 requirements and is recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates:
  - a. A person who after completing university education, has been engaged in research for approximately 1 or more years as a research student, researcher, etc. or is expected to be engaged in research as a research student, researcher, etc. for approximately 1 or more years by the end of the previous month for enrollment at a university, an inter-university research institute corporation or equivalent research institution in Japan or a foreign country.
  - b. A person who will have turned 22 years old by the end of the previous month for enrollment.
- (11) A person who has been recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates through an individual examination of eligibility for application, and will have turned 22 years old by March 31, 2022.

(Note) A person who intends to file an application in accordance with the Eligibility of Application (9), (10), or (11) is required to undergo an individual Examination for Eligibility of Application in advance. See “3. Examination for Eligibility of Application” on page 18.

### 3. Selection methods

- (1) Each applicant will be comprehensively evaluated with the Academic Transcripts from the schools he/she graduated from, any valid external English test score, and the result of the oral examination (including Presentation).
- (2) Examination venue: University of Toyama Gofuku Campus (3190 Gofuku, Toyama City)  
The details of the examination venue will be notified when sending the Examination Admission Card.
- (3) Examination date and subjects

Date	Time	Examination Subjects
Saturday, July 2, 2022	From 9:30	Oral examination (including Presentation)

## IV. Special Admission Examination for Working Adults

### 1. Number of students to be admitted

Program	Admission Quota	
	Schedule A	
	Enrollment in October 2022	Enrollment in April 2023
Global Sustainability Science Program	A few	A few

### 2. Eligibility of application

Applicants shall be those who have 1 or more years of working experience (excluding a period of attending a university or another school) by the end of the previous month for enrollment and fulfill any of the following requirements:

- (1) A person who graduated from a Japanese university.
- (2) A person who was granted a bachelor's degree under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed a 16-year school education course in a foreign country.
- (4) A person who has completed a 16-year school education course of a foreign country by taking classes in Japan through distance education conducted by a foreign school.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of MEXT conducted by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course with a term of study of 3 or more years at a foreign university or another foreign school (limited to those that have been evaluated with regard to the overall status of their educational and research activities, etc. by a person who has got certified by the government or a governmental organization of the foreign country, or those that designated as being equivalent thereto by the Minister of MEXT).

In the above “completing a course” includes the completion of the course by taking classes in Japan through distance education conducted by a foreign school, or completion of the course conducted by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.

- (7) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).
- (8) A person who has been recognized by the Graduate School of Sustainability Studies as having academic ability equivalent to or higher than that of Japanese university graduates through an individual examination of eligibility for application, and will have turned 22 years old by the end of the previous month for enrollment.

(Note) A person who intends to file an application in accordance with the Eligibility of Application (8) is required to undergo an individual Examination for Eligibility of Application in advance. See “3. Examination for Eligibility of Application” on page 18.

### 3. Selection methods

- (1) Each applicant will be comprehensively evaluated with the Academic Transcripts from the schools he/she graduated from and the results of the interviews (including oral questions about academic ability).
- (2) Examination venue: University of Toyama Gofuku Campus (3190 Gofuku, Toyama City)  
The details of the examination venue will be notified when sending the Examination Admission Card.
- (3) Examination date and subjects

Date	Time	Examination Subjects
Saturday, July 2, 2022	From 9:30	Interview (Including oral questions about academic ability)



# General Procedure of Application and Admission

## 1. Application Period

The application documents must reach the university from **Wednesday, June 1 to 16:00, Tuesday, June 7, 2022.**

In principle, the application documents shall be submitted by mail and must reach the university by the abovementioned period. If an applicant brings the application documents himself/herself to the university for some inevitable reason, we will accept them between 9:00 and 16:00. (We cannot accept them on Saturdays, Sundays, and national holidays.) We cannot accept the application documents after the expiration of the application period.

However, we will accept the application documents even when they reach the university after the expiration of the application period on the condition that they are delivered by registered express mail with a postmark before Monday, June 6.

Applicants must consult in advance with the academic advisor about the program/education field which they wish to apply for.

## 2. Application Procedure

Prepare the documents listed below, and submit them to the address shown below by the designated due date.

When sending the application documents by mail, send them by registered express mail, and describe “Application for admission to the Graduate School of Sustainability Studies inside” in red letters on an envelope.

**Submission:** Examination Section of Admissions Office, School of Science, Academic and Student Affairs Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan

**Phone:** 076-445-6546

## Application Documents

Documents		Description
1	Application Form (Designated form)	Fill out the necessary information and circle the examination category that applies.
2	Photo ID Card and Examination Admission Card (Designated form)	Fill out the necessary information and attach a photo of the applicant (H4cm×W3cm, upper body with no head covering, headshot taken within the last 3 months).
3	Examination Fee (30,000 yen)  Submit a Certificate of Payment of Examination Fee by attaching it to the Attachment Sheet for the Certificate of Payment of Examination Fee.	<p>Pay the Examination Fee via the Examination Fee Payment Website in accordance with the Examination Fee Payment Procedure (page 19). In Japan, pay the Examination Fee at a convenience store, by credit card, by Internet banking, or at a post office or bank ATM supporting Pay-easy. In a foreign country, pay the Examination Fee by credit card. After completing the payment, download a Certificate of Payment of Examination Fee from the Examination Fee Payment Website and print out it, and attach it in the designated area on the Attachment Sheet for the Certificate of Payment of Examination Fee.</p> <p>Japanese Government-financed foreign students do not need to pay the Examination Fee.</p> <p>Examination Fee Payment Website  <a href="https://e-apply.jp/n/toyama-gs-payment/">https://e-apply.jp/n/toyama-gs-payment/</a></p> <p>Precautions</p> <ul style="list-style-type: none"> <li>- An applicant must pay the transfer charge in addition to the Examination Fee.</li> <li>- When carrying out the payment procedure, register the same name, address, and other personal information as the name and the address, and other personal information filled in the Application form.</li> <li>- The Examination Fee can be paid from 1 week before the start of the Application Period.</li> </ul>
4	Certificate of (Expected) Bachelor's Degree	The certificate must be signed by the President or Faculty Dean of the graduating university. (Graduates of or students currently enrolled at University of Toyama are not required to submit this document.)
5	Certificate of Degree Conferment or Certificate of Application (Expected) for Degree Conferment	<p><b>[Only applicants who fall under the Eligibility for application (2)]</b></p> <p>The Certificate of Degree Conferment issued by the National Institution for Academic Degrees and Quality Enhancement of Higher Education, or the Certificate of Application (Expected) for Degree Conferment issued by the President of a junior college or the President of a technical college.</p>
6	Academic Transcript	The transcript(s) must be signed by the President or Faculty Dean of the graduating university and be officially sealed in an envelope. The transcript(s) using forgery copy prevention paper is not required to be enclosed in a sealed envelope.

7	Envelope for sending the Examination Admission Card (23.5cm×12cm)	Clearly state your name, address, and postal code on the envelope (23.5cm×12cm) and attach a 344 yen stamp to the envelope.
8	Copy of TOEIC/TOEFL Score Sheet	<p><b>[Only applicants for General Admission Examination]</b>  Submit a copy (A4 size) of the Score Sheet of any of [1] to [4] listed below. However, if an applicant has 2 or more Score Sheets, he/she may submit up to 2 copies.  If an applicant has a foreign nationality and has not taken a TOEIC/TOEFL test, submit the result of another English proficiency test that shows his/her English proficiency level.  [1] Official Score Certificate of TOEIC Listening &amp; Reading  [2] Score Report of TOEIC-IP (individual result sheet)  [3] Test Taker (Examinee) Score Report of TOEFL-iBT  [4] Score Report of TOEFL-ITP  Only Score Sheets issued for the tests that were held on and after April 1, 2019, are valid and acceptable.  Be sure to bring the original Score Sheet with you on the day of the admission examination to be checked on the day. Note that if you do not bring the original Score Sheet, you will become ineligible for the selection.</p>
9	Letter of Recommendation (Designated form)	<p><b>[Only applicants for Admission Examination with Recommendation and Special Admission Examination for Working Adults]</b>  The recommendation letter must be signed by anyone of the president, faculty dean, or the academic advisor of the university, or the principal of the school where the applicant graduated from and be officially sealed in an envelope.  In the case that an applicant is currently working for a company or an institution, the letter must be signed by the head of his/her affiliation and be officially sealed in an envelope.</p>
10	Letter of Self-Recommendation (Designated form)	<p><b>[Only applicants for Comprehensive Admission Examination]</b>  Must be written by the applicant.</p>
11	Statement of Purpose (Designated form)	Must be written by the applicant.
12	Research Plan (Designated form)	Must be written by the applicant.
13	Written Pledge (Designated form)	An applicant must sign and submit the Written Pledge to comply with the Foreign Exchange and Foreign Trade Act.
14	Copy of Certificate of Residence	<p><b>[Only applicants who have a foreign nationality]</b>  An applicant who has a foreign nationality and currently lives in Japan, submit a copy of the Certificate of Residence issued at the city hall of own residence. The document must clearly show the status of residence.</p>

(Note) Documents written in a foreign language other than English must be accompanied by documents translated into Japanese or English.

### 3. Examination for Eligibility of Application

Applicants who want to apply for Comprehensive Admission Examination, Admission Examination with Recommendation, and General Admission Examination fall under the Eligibility of application (9), (10), and (11). Applicants who want to apply for Special Admission Examination for Working Adults fall under the Eligibility of application (8) and must submit the designated documents by the due date by making an inquiry with the following office for the purpose of conducting an individual examination for Eligibility of Application.

#### [Inquiry and Submission]

Examination Section of Admissions Office, School of Science, Academic and Student Affairs  
Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama  
Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

#### (1) Documents necessary for the Examination for Eligibility of Application

[1] Application for the Examination for Eligibility of Application (Designated form)

[2] Certificate of Enrollment or Certificate of (Expected) Bachelor's Degree

[3] Academic Transcript

[4] Curriculum Vitae (Designated form, Only for foreign applicants)

[5] Envelope for sending the Examination Admission Card

Clearly state your name, address, and postal code on the envelope (23.5cm×12cm) and attach a 344 yen stamp to the envelope.

[6] Other Necessary Documents

Applicants falling under the Eligibility of application (9) for Comprehensive Admission Examination, Admission Examination with Recommendation, and General Admission Examination

- Letter of Recommendation (Designated form)

- Curriculum Table of the faculty the applicant belongs to

Applicants falling under the Eligibility of application (10) for Comprehensive Admission Examination, Admission Examination with Recommendation, and General Admission Examination

- Document certifying that the applicant was engaged as a research student, researcher, etc.

Applicants falling under Eligibility of application (11) for Comprehensive Admission Examination, Admission Examination with Recommendation, General Admission Examination, and applicants falling under the Eligibility of application (8) for Special Admission Examination for Working Adults

- Job Performance Report (Designated form)

Submit the original documents. Copies will not be accepted.

Documents written in a foreign language must be accompanied by documents translated into Japanese.

#### (2) Deadline for the submission of documents

**16:00, Wednesday, May 18, 2022**

In principle, the application documents shall be submitted by mail and must reach the university by the abovementioned period. If an applicant brings the application documents himself/herself to the university for some inevitable reason, we will accept them between 9:00 and 16:00. (We cannot accept them on Saturdays, Sundays, and national holidays.) We cannot accept the application documents after the expiration of the application period.

#### (3) Notification of the examination results

University of Toyama will send a notification of the result of the Examination for Eligibility of Application by mail to the applicant by **Tuesday, May 31, 2022.**

## 4. Examination Fee Payment Procedure

### Payment Flow of Entrance Examination Fee

Prepare an Email address, a computer that is connected to the Internet, and printer.



Your application is NOT complete until you have registered your information in the entrance examination fee payment website.

Send us the required documents and the examination fee payment certificate to University of Toyama.

Payment Website



Register



Payment



Print



Send



#### STEP 1 Go to the Entrance Examination Fee Payment Website

The Entrance Examination Fee Payment Website

▶ <https://e-apply.jp/n/toyama-gs-payment/>  
or

Official Website of University of Toyama

▶ <https://www.u-toyama.ac.jp/admission/graduate-exam/graduate/>

#### STEP 2 Register Personal Information

- 1) Make sure you follow the screen procedures and important notices.
- 2) Choose the payment method of entrance examination fee.
- 3) Enter the required information and record the payment processing number.

#### STEP 3 Pay Entrance Examination Fee

##### 【Pay at the Convenience Store, Pay-easy ATM banks, Internet banking】

Make a payment at the convenience stores (Seven Eleven, Lawson, Ministop, Family Mart, Daily Yamazaki, and Seico Mart), Pay-easy ATMs of Post offices or Banks, and internet banking.

※ Payment can not be made at stores outside Japan.

##### 【Pay with Credit Card】

Make sure the card number, expiration date, card holder name, and security code, to pay the fee.

(Accepted Credit Cards)

VISA, Master, JCB, AMERICAN EXPRESS, MUFG Card, DCCard, UFJ Card, NICOS Card

#### STEP 4 Print out the Certificate of Payment

The Entrance Examination Fee Payment Website

▶ <https://e-apply.jp/n/toyama-gs-payment/>

Click on "Review" button to download and print out the Certificate of Payment. Cut along the dotted lines to get your certificate of payment, then paste it on its designated location in the application form.

#### STEP 5 Send all application documents

Send the form with pasted certificate of payment and all other application documents, via registered express mail at the post office, within the application submission deadline.

※ See the details of each school/graduate school for application guide.



● Make sure the information you enter is correct, as you will not be able to revise/change any of this information after registration is complete. However you may re-register the correct information and "revise" the information this way, as long as it is before you have made the payment.

※ Take notice that if you chose to pay with your credit card, the payment will be made as soon as you register your personal information.

## 5. Sending of the Examination Admission Card

We will send the Examination Admission Card by mail to the address indicated on the Envelope for sending the Examination Admission Card after application deadline. However, if it does not reach you 1 week prior to the date of the admission examination, contact the office below.

### [Contact]

Examination Section of Admissions Office, School of Science, Academic and Student Affairs  
Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama  
Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

## 6. Announcement of Successful Applicants

At the time of the day shown below, the examinee's number of each successful applicant will be posted on the University Website, and a Letter of Acceptance will also be sent to the applicant by mail.

We will not respond to any inquiries by telephone or other means.

Date and time of the announcement: **15:00, Tuesday, July 19, 2022**

## 7. Admission Procedure

The admission procedure is as follows, but the details will be notified to the successful applicants.

### (1) Admission procedure period

**(Enrollment in October 2022) Friday, September 16, 2022**

**(Enrollment in April 2023) Wednesday, March 8, 2023 (scheduled)**

### (2) Expenses required at the time of the admission procedure

#### a. Enrollment Fee: 282,000 yen (Subject to change)

The Enrollment Fee shown above is the planned amount. If it is revised at the time of enrollment, the new Enrollment Fee will apply.

The paid Enrollment Fee will not be refunded.

To cancel the admission to University of Toyama, you must notify University of Toyama in writing (Any form acceptable).

#### b. Others

The successful applicants must pay other expenses, including the fee for the Personal Accident Insurance for Students Pursuing Education and Research, etc.

### (3) If you do not complete the admission procedure within the Admission procedure period, you will be considered to have declined the admission.

### (4) Payment of the Tuition Fee

Students must pay the Tuition Fee by account transfer after enrollment.

The exact amount of the Tuition Fee and detailed method of the payment will be announced at the time of the admission procedure. The Tuition Fee of academic year 2022 amounted to 535,800 yen.

### (5) Students who have any of the following conditions may be applied for and granted for full or half exemption of the Enrollment Fee or the Tuition Fee.

[1] Students with an excellent academic record who have difficulty to pay the fees because of financial reasons.

[2] Students who find it extremely difficult to pay the fees because of the death of the financial sponsor or an unpredictable circumstance such as natural disasters.

### (6) Students who wish to lend a scholarship may be applied for and selected for a scholarship from organizations such as the Japan Student Services Organization.

## 8. Precautions

- (1) Application may not be accepted if applicants fail to submit any of the required documents.
- (2) Application Documents cannot be changed once they have been submitted. Application documents will not be returned in any circumstances once they have been submitted except when the return thereof is clearly stated.
- (3) Applicants who do not take all the required examinations will be automatically disqualified from the selection process. Be sure to bring the Examination Admission Card to the examination.
- (4) The Examination Fee University of Toyama received will not be refunded except in the following cases:
  - [1] When the applicant paid the Examination Fee but did not file an application to University of Toyama (the applicant did not submit the Application Documents, etc. or his/her application was not accepted). Amount to be refunded: 30,000 yen
  - [2] When the applicant paid the Examination Fee twice. Amount to be refunded: 30,000 yen
  - [3] When the applicant paid an amount exceeding the Examination Fee. Amount to be refunded: Exceeding portionHowever, the applicant/student who will receive the refunded money should pay the transfer charge.

Method of claiming a refund

Fill out the Request for the Examination Fee Refund (Designated form), and send it to the office below by mail.

In case [1] or [2], be sure to attach the Certificate of Payment of the Examination Fee.

**[Submission]**

Accounting Group, Financial Affairs Division, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6053
- (5) If any false information is entered in the Application Documents, the admission of the applicant may be revoked even after the admission is determined.

## 9. Security Export Control

University of Toyama has established the University of Toyama Security Export Control Regulations based on the Foreign Exchange and Foreign Trade Act, and conducted strict screening for security export control in the perspective of providing technology and export of research equipment and materials. Since students who fall under any of the regulated items, they may not be able to get the permission to enroll or receive the desired education, or they may have restrictions on their desired research activities at University of Toyama.

For more information, visit the University Website.

[Reference] University of Toyama Security Export Control Regulations

URL <http://www3.u-toyama.ac.jp/soumu/kisoku/pdf/0110401.pdf>

## 10. Preliminary Consultation for Applicants with Disabilities

University of Toyama provides consultation for applicants with disabilities who may require special arrangements during the entrance examination or in classes after enrollment. Applicants for the Preliminary Consultation should contact the office below prior to application.

**Consultation Deadline:** Friday, June 10, 2022

**Contact:** Examination Section of Admissions Office, School of Science, Academic and Student

Affairs Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

Applicants for the Preliminary Consultation may need to submit a medical certificate issued by a doctor and documents specifying the following information.

- Type(s) of disabilities and the degree of severity
- Items for special arrangements required during the entrance examination
- Items for special arrangements required in classes after enrollment
- Situation of daily life and other related information

## **11. Policy on Personal Information Protection**

Personal information possessed by University of Toyama shall be handled based on the Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc., and University of Toyama Personal Information Protection Policy.

- (1) Personal information (including name, address, etc.) of applicants obtained through the application shall be used for ① application and selection procedure, ② announcement of successful applicants, ③ admission procedure, ④ survey/study of the selection method, and ⑤ operations associated with these purposes.
- (2) Personal information of those who completed the admission procedure obtained through the application shall be used for post-admission operations related to ① academic affairs (registration, study guidance, etc.), ② student support (health care, application for tuition exemption/scholarship, career support, etc.), ③ tuition collection work, and ④ statistical survey and data analysis.
- (3) Only the examinee's numbers, names, and addresses of successful applicants may be used for contact with the Alumni Association or Co-op as an affiliated organization. If successful applicants do not wish to have any contact with these organizations, inform the office below.  
**Contact:** Examination Section of Admissions Office, School of Science, Academic and Student Affairs Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6546
- (4) University of Toyama may have contractors do some kind of university operations. When conducting the operations, all or part of the personal information obtained shall be provided to the contractor within the limit necessary to perform the operations, however, University of Toyama supervises the use of information to ensure compliance with confidentiality.

## **12. Special Measures for Educational Methods based on Article 14 of the Standards for Establishment of Graduate Schools**

Article 14 of the Standards for Establishment of Graduate Schools stipulates that “Where it is deemed to be particularly necessary from an educational standpoint, education can be provided by an appropriate method, such as providing classes or research guidance at night or at other specific times/periods.” Based on this, the Graduate School of Sustainability Studies will provide consultation on the time schedule as much as possible, including day and night classes or other times, taking into consideration the working conditions of the workplace so that working adults enable to study without leaving their jobs.



# Requirements for Applicants in association with Measures against the Novel Coronavirus Infection

## 1 Precautions to prevent infection

Keep the prevention of infection in mind in everyday life, and measure the body temperature in the morning to check for changes in physical condition.

(Reference) For Examinees - Precautions for Preventing the Novel Coronavirus Infection -  
[https://www.mext.go.jp/content/20201218-mext\\_daigakuc02-000005144\\_1.pdf](https://www.mext.go.jp/content/20201218-mext_daigakuc02-000005144_1.pdf)



## 2 Medical checkup at a medical institution

Examinees who have symptoms such as fever, coughs, etc. from approximately 2 weeks before the day of the admission examination are requested to have a medical checkup at a medical institution in advance.

## 3 Applicants who cannot be permitted to take the admission examination

Applicants who are infected by the Novel Coronavirus and hospitalized or under medical treatment at home or an accommodation facility on the day of the admission examination cannot be permitted to take the admission examination. Since a close contact person (a person who has been informed by the Public Health Center that “he/she is identified as a close contact person”) without symptoms such as fever, coughs, etc. he/she may be permitted to take the admission examination under certain conditions, contact the office below in advance.

Applicants who entered Japan from abroad to take the admission examination cannot be permitted to take the admission examination during the waiting period after entry into Japan.

**Contact:** Examination Section of Admissions Office, School of Science, Academic and Student Affairs  
Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

## 4 Response on the day of the admission examination

- Examinees who have symptoms such as fever and coughs, and a fever of 37.5°C or higher measured on the day of the admission examination will be requested not to take the admission examination. Examinees who have symptoms such as and coughs, and a fever of 37.4°C or lower measured on the day of the admission examination will need to report the condition to the examination supervisors.
- Regardless of whether examinees have symptoms mentioned above, they will be requested to bring a mask (a plain, white or light color mask is recommended; if it is difficult to wear a mask for some reason, consult with the office below in advance) and wear it at all times except during the lunchtime. Avoid contact and conversations with other examinees wherever possible during breaks, lunchtime, and at the time of entering and leaving the admission examination venue. However, examinees may be instructed to remove their masks to check their identity during the admission examination.
- Be sure to bring plastic bags to put used masks etc. in.
- Examination supervisors and staff in the admission examination venue will also wear masks.

**Contact:** Examination Section of Admissions Office, School of Science, Academic and Student Affairs  
Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

## **5 Clothes or lunch on the day of the admission examination**

On the day of the admission examination, there will be times when windows are opened to ventilate the admission examination rooms. Thus, be careful with the air temperature of the day and bring warm clothes, such as a jacket. Since cafeterias or shops are not available in the admission examination venue on the day, examinees will be requested to bring their own lunch and eat it at their own desks within the designated time.

## **6 Disinfection and disposal of garbage**

Disinfectant solutions will be installed at each admission examination venue on the day of the admission examination. Examinees will be requested to disinfect their hands when entering or leaving the admission examination venue. Be sure to put used masks or tissues after blowing the nose in a plastic bag, seal it, and throw it in a trash can.

## **7 Immunization**

In order to reduce the risk of suffering infectious diseases, it is recommended that examinees should get appropriate vaccinations at their discretion.

## **8 Implementation of new lifestyle**

In daily life, thoroughly implement basic measures against infectious diseases, including the avoidance of the 3 Cs, namely, closed spaces with poor ventilation, crowded places with many people nearby, and close-contact settings, as well as keeping distance between people, wearing a mask, and practicing hand and finger sanitization such as handwashing. In addition, keep in mind to manage own physical condition, such as taking well-balanced meals, doing moderate exercise, and getting enough rest and sleep.

## **9 Report**

Examinees who fall under “3 Applicants who cannot be permitted to take the admission examination” or who have a fever of 37.5°C or higher measured on the day of the admission examination will need to promptly report it to the office below. Examinees who are found to be in poor physical condition within 14 days after the admission examination will also need to report it to the office below.

**Contact:** Examination Section of Admissions Office, School of Science, Academic and Student Affairs  
Division of Science and Engineering, University of Toyama, 3190 Gofuku, Toyama City, Toyama Prefecture, 930-8555, Japan      **Phone:** 076-445-6546

## **10 Waiting room**

On the day of the admission examination, there will be no waiting room for examinees and their attendants.

## **11 Download of the application**

It is recommended to download the COVID-19 Contact-Confirming Application (COCOA) in advance. Note that an examinee who receives notification from the application will not be immediately identified as a close contact person.

# **Guide of the Graduate School of Sustainability Studies (Master's Course)**

## **1. Educational and Research Purpose**

Educational and research purpose of the Graduate School of Sustainability Studies is to develop human resources who can contribute to the construction of “Sustainable society” by teaching and researching interdisciplinary theories and their applications of Science and Engineering, and Social Sciences that are necessary for the construction of “Sustainable society.” The Graduate School of Sustainability Studies let students learn the insights of interdisciplinary theories and their applications of Science and Engineering, and Social Sciences, and acquire deep knowledge, outstanding abilities and ethics that are indispensable for professions requiring a high level of expertise.

### **(1) Social Data Science Program**

Considering the time background of modern society, such as population decline, super-aging, global warming, and the development of Digital Science, the Social Data Science Program seeks to realize “Sustainable society” that can achieve both economic growth and solutions to social problems by utilizing Data Science and AI.

### **(2) Global Sustainability Science Program**

The Global Sustainability Science Program seeks to develop human resources who can contribute to the construction of “Sustainable society” and the achievement of SDGs by learning Sustainability Sciences which is necessary to realize “Sustainable society” from a broad international perspective and acquire problem-solving abilities through cross-cutting approaches extending from Natural Science to Social Science.

## **2. Features of the curriculum**

Feature of the curriculum of the Graduate School of Sustainability Studies is the establishment of classes in a wide range of academic fields of both Humanities and Sciences from 2 perspectives of “Region” and “Global scale”. In these classes, the issues confronting modern society are dealt with for the aim of developing human resources capable of solving issues toward the realization of “Sustainable society.” The faculties of the Graduate School of Sustainability Studies are mainly from the academic fields of Social Science (Economics, Business Administration) and Science and Engineering (Environmental Science, Urban Design), and the classes are designed to encourage students to constantly think about issues related to a “Sustainable society” from social, environmental and economic perspectives.

Students will be able to acquire universal and specialized abilities through common classes of whole graduate school providing comprehensive knowledge, common classes of the Graduate School of Sustainability Studies providing comprehensive knowledge and practical skills related to “Sustainable society,” and special classes of the Graduate School of Sustainability Studies providing specialized knowledge and skills necessary to solve problems in a particular field. In addition, they will receive research guidance from multiple advisors from multiple academic fields.

The Graduate School of Sustainability Studies places importance on cross-cutting studies for subjects that students set themselves. For this, a common curriculum is established for both programs, which provides lectures, exercises, and practice that carrying the importance. Since less time is allocated to special research than conventional type curricula, study plans are easier to design, as a result, it can meet the needs for the relearning of working adults. At the same time, the Global Sustainability Science Program also provides a conventional type curriculum that emphasizes studies through special research, so that students can select curricula in accordance with their needs.

### 3. List of faculties and research fields

(Note) The academic advisor with an asterisk (※) is scheduled to retire in March 2024.

#### Social Data Science Program

Research Field	Faculty Name	Research Description
Economics	KARATO Koji, Professor	Real estate price index analysis, urban and regional economic analysis, real estate market analysis in the fields of economic statistics and econometrics.
Sociology	NAKAMURA Mayumi, Professor	Professor Nakamura specializes in gender stratification and social research methods. She conducts quantitative and qualitative research on regional revitalization (地方創生) and related topics, such as low birth rates, the compact city policy, the introduction of the bullet train, and youth depopulation.
Economics	MOVSHUK Oleksandr, Professor	Research guidance on related topics in econometrics.
Information Science	HORITA Yukou, Professor	Data acquisition and analysis toward the realization of smart cities in information communication engineering, perception information processing, human information science, and electric power engineering, and forest science.
Information Science	INOUCHI Munenari, Associate Professor	Disaster response, evacuation action plans, etc. in disaster information science, behavioral disaster prevention science, service information science, and system design science.
Information Science	HARUKI Takayuki, Associate Professor	Information science, pre-symptomatic disease science, and plasma physics.
Urban Design Science	HORI Yuji, Professor	Evaluations and improvements in architecture and cities, the reduction of environmental burdens and of energy consumption and transformation into renewable energies, etc. toward recycling society, etc. in environmental engineering and facility engineering.
Urban Design Science	INOI Hiroto, Associate Professor	Impact assessments of the construction and maintenance of public transportation and behavior modification from automobiles to public transportation in civil engineering planning, traffic engineering, and urban planning.
Urban Design Science	YASUE Ken-ichi, Associate Professor	Regional disaster prevention and educational tourism in geomorphology and geology.

## Global Sustainability Science Program

Research Field	Faculty Name	Research Description
Environmental and Analytical Chemistry	KURAMITZ Hideki, Professor	Environmental chemistry and analytical chemistry, and conducts research guidance in the development of new sensors and analysis methods and environmental measures utilizing them.
Geochemistry	ZHANG Jing, Professor	Chemical oceanography and environmental geochemistry, and conducts research guidance in the collection and understanding of necessary scientific information and investigation and research methods.
Geochemistry	HORIKAWA Keiji, Professor	Environmental geoscience, and conducts research guidance in the collection and understanding of necessary scientific information and investigation and research methods.
Ecology	WADA Naoya, Professor	Ecology and environmental conservation science, and conducts research guidance in the collection and understanding of necessary scientific information and investigation and research methods.
Pest Management Science	TSUCHIDA Tsutomu, Associate Professor	General insect pest control and the utilization of biological genetic resources focusing on biological interactions and endosymbiosis phenomena.
Environmental Physics	ENOMOTO Katsunari, Associate Professor	Investigations of the characteristics and reaction element processes of air pollutants and heavy metal-containing molecules using laser spectroscopy technology and the development of environmental monitoring technology.
Economics	NAKAMURA Kazuyuki (※), Professor	Fiscal science and public economics, and conducts research guidance in the collection and understanding of necessary literature and research methods.
Economics	LONG Shixian, Professor	Environmental industry and environmental economics, focusing on a circulation system of human beings, economy, and nature, and conducts research guidance in the collection and understanding of necessary scientific information and demonstrative and empirical research methods.
Area Studies	HORIE Norio, Professor	Migration studies and border studies, focusing on migrants' daily life in urban area in the European part of Russia and the Sino-Russian border regions. Multi-disciplinary approach to explore more complex observations regarding the negative and positive impacts of migrants on local society and regional development.
Business Administration	MA Jun, Professor	Management of organizations and human resources, and conducts research guidance in the collection and understanding of necessary scientific information and investigation and research methods.
International Relations Theory	IKEDA Josuke, Associate Professor	Intermingling international politics, global ethics, and pedagogics, and conducts research guidance in the collection and analysis of empirical and normative scientific information, theory construction, and methods for case studies.
Legal Policies	KOHYAMA Satomi, Associate Professor	Environmental law research and environmental policy research, and conducts research guidance in the collection and understanding of necessary scientific information and investigation and research methods.

## 4. Courses and Credits

Subject Category		Subjects	Credits	Remarks
Common Graduate Courses for All Graduate Schools		○Research Ethics	1	○ denotes a required subject.
		○Science, Technology and Sustainable Society	1	
		Geographical Symbiosis Social Theory	1	
		Communication for Researchers	1	
		Art and Design Thinking	1	
		Academic Writing I	1	
		Academic Writing II	1	
		Advanced Data Science	1	
		Career Development for Graduate Students	1	
		Intellectual Property Law	1	
Common Graduate Courses		○Introduction to Science for Sustainable Societies	1	○ denotes a required subject.
		Cultural Diversity for Sustainable Societies	1	
		Environmental Science for Sustainable Societies	1	
		International Political for Sustainable Societies	1	
		Design Thinking	1	
		Entrepreneurship	1	
		Internship	1	
Interfaculty Specialty Courses (Social Data Science Program)	Foundation Subjects	○Advanced Linear Algebra	1	○ denotes a required subject.
		○Advanced Mathematical Statistics I	1	
		○Advanced Mathematical Statistics II	1	
		○Advanced Information Science	1	
		○Advanced Cyber Physical Systems	1	
		○Advanced Information Sensing	1	
	Practical Subjects	Advanced Optimization Theory	1	
		Advanced Time Series Analysis	1	
		Advanced Stochastic Processes	1	
		Machine Learning Theory I	1	
		Machine Learning Theory II	1	
		Advanced Spatial Statistics I	1	
		Advanced Spatial Statistics II	1	
		Advanced Text Mining	1	
		Special Lecture on Econometrics I	1	
		Special Lecture on Econometrics II	1	
		Advanced Social Data Science Seminar A	1	
		Advanced Social Data Science Seminar B	1	
	Domain Subjects	<Sustainable Design>		
		Advanced Urban and Regional Planning	1	
		Advanced Transport for a Sustainable Society	1	
		Advanced Natural Hazard and Disaster Study	1	
		Advanced Disaster Information Management	1	
		Advanced Numerical Simulation	1	
		Advanced Urban and Architectural Environment Design I	1	
		Advanced Urban and Architectural Environment Design II	1	
		Advanced Urban and Architectural Facilities Design I	1	
		Advanced Urban and Architectural Facilities Design II	1	
		<Social Science>		
		Special Lecture on Community Sociology I	1	
		Special Lecture on Community Sociology II	1	
		Special Lecture on Management I	1	
		Special Lecture on Management II	1	
		Special Lecture on Modern Economic Theory I	1	
		Special Lecture on Modern Economic Theory II	1	
		Special Lecture on Applied Econometrics I	1	
		Special Lecture on Applied Econometrics II	1	

Subject Category		Subjects	Credits	Remarks
Interfaculty Specialty Courses (Social Data Science Program)	Domein Subjects	Special Lecture on Econometrics of Financial Markets I	1	
		Special Lecture on Econometrics of Financial Markets II	1	
		Special Lecture on Mathematical Programming I	1	
		Special Lecture on Mathematical Programming II	1	
		Special Lecture on Public Finance I	1	
		Special Lecture on Public Finance II	1	
		Special Lecture on Social Research Methods I	1	
		Special Lecture on Social Research Methods II	1	
		Special Lecture on Selected Topics in Operations Research I	1	
		Special Lecture on Selected Topics in Operations Research II	1	
	Special Research	○1st-Year Pro-seminar in Social Data Science	1	○ denotes a required subject.
		○2nd-Year Pro-seminar in Social Data Science	1	
		○1st-Year Thesis Seminar in Social Data Science	1	
		○2nd-Year Thesis Seminar in Social Data Science	1	
Interfaculty Specialty Courses (Global Sustainability Science Program)	Foundation Subjects	○Fundamentals of Environmental Science for Sustainable Societies	1	○ denotes a required subject.
		○Fundamentals of Economics for Sustainable Societies	1	
		○Advanced Academic Writing and Communication for Sustainability Science	1	
		○Data analysis and GIS for Sustainability Science	1	
	Practical Subjects	Sustainability, Governance and Law	1	◎ denotes a elective required subject. (Select at least 1 credit from ◎ of the practical subjects)
		Law and Policy for Sustainable Societies	1	
		Advanced Migration Studies	1	
		Advanced Border Studies	1	
		Special Study of Management I	1	
		Special Study of Management II	1	
		Advanced Globalization Studies I	1	
		Advanced Globalization Studies II	1	
		Special Lecture on Public Finance I	1	
		Special Lecture on Public Finance II	1	
		Advanced Private International Law I	1	
		Special Lecture on Environmental Industry Theory I	1	
		Special Lecture on Environmental Industry Theory II	1	
		Climate Change Analysis	1	
		Advanced Analytical Science for Sustainable Water Environment I	1	
		Advanced Analytical Science for Sustainable Water Environment II	1	
		Advanced Analytical Science for Sustainable Water Environment III	1	
		Advanced Analytical Science for Sustainable Water Environment IV	1	
		Chemical Oceanography	1	
		Chemistry for volcanoes and earthquakes	1	
		Advanced Sustainable Physics: Energy and Measurement Technology	1	
		Advanced Plant Ecology	1	
		Advanced Conservation Biology	1	
		Advanced Plant Production	1	
		Integrated Pest Management	1	
		◎Global SDGs Field Exercise	2	
		◎Global SDGs English Exercise	2	
		◎Sustainable coexistence between people and nature having 4000 m altitudinal difference	1	
		◎Short-term SDGs Internship	1	
		Seminar on Environmental Law	1	
		Seminar on International Environmental Law	1	
		Seminar on Environmental Policy	1	
		Seminar on Industrial Law and Patent System	1	
		Migration Studies Seminar I	1	
		Migration Studies Seminar II	1	
		Border Studies Seminar I	1	
		Border Studies Seminar II	1	
		Seminar for Public Finance I	1	
		Seminar for Public Finance II	1	

Subject Category		Subjects	Credits	Remarks
Interfaculty Specialty Courses (Global Sustainability Science Program)	Practical Subjects	Seminar on Public Economics I	1	
		Seminar on Public Economics II	1	
		Seminar for Environmental Industry Theory I	1	
		Seminar for Environmental Industry Theory II	1	
		Seminar for Environmental Economics I	1	
		Seminar for Environmental Economics II	1	
		Seminar for Management of Organization and Human resource I	1	
		Seminar for Management of Organization and Human resource II	1	
		Seminar on Human Development Policy I	1	
		Seminar on Human Development Policy II	1	
		Seminar on Global Politics	1	
		Seminar on Global Political Economy	1	
		Seminar on Global Civil Society Studies	1	
		Seminar on Globalization Studies	1	
		Seminar on Climate Change Analysis I	1	
		Seminar on Climate Change Analysis II	1	
		Seminar on Isotopic Geochemistry I	1	
		Seminar on Isotopic Geochemistry II	1	
		Seminar on analytical chemistry in environmental monitoring I	1	
		Seminar on analytical chemistry in environmental monitoring II	1	
		Seminar on chemistry in water treatment I	1	
		Seminar on chemistry in water treatment II	1	
		Seminar on environmental water analysis I	1	
		Seminar on environmental water analysis II	1	
		Seminar on environmental soil analysis I	1	
		Seminar on environmental soil analysis II	1	
		Seminar on Chemical Oceanography I	1	
		Seminar on Chemical Oceanography II	1	
		Seminar on Hydrosphere Geochemistry I	1	
		Seminar on Hydrosphere Geochemistry II	1	
		Seminar on Environmental Physics I	1	
		Seminar on Environmental Physics II	1	
		Seminar on Quantum Electronics I	1	
		Seminar on Quantum Electronics II	1	
		Seminar on Plant Ecology	1	
		Seminar on Forest Ecology and Management	1	
		Seminar on Alpine Ecology	1	
		Seminar on Conservation Biology	1	
		Seminar on Crop Genetics I	1	
		Seminar on Crop Genetics II	1	
		Seminar on Plant Molecular Genetics I	1	
		Seminar on Plant Molecular Genetics II	1	
		Seminar on Symbiosis Science I	1	
		Seminar on Symbiosis Science II	1	
		Seminar on Integrated Pest Management I	1	
		Seminar on Integrated Pest Management II	1	
	Special Research	◎Research track		◎ denotes a elective required subject. (Select either Research track or Specialist track)
		Master's Research on Sustainability Science for Research Track I	2	
		Master's Research on Sustainability Science for Research Track II	2	
		Master's Research on Sustainability Science for Research Track III	2	
		Master's Research on Sustainability Science for Research Track IV	2	
		Master's Research on Sustainability Science for Research Track V	2	
		◎Specialist track		
		Master's Research on Sustainability Science for Specialist Track I	2	
		Master's Research on Sustainability Science for Specialist Track II	2	



## 5. Requirements for completion

A master's degree will be awarded to students who have been enrolled in the Master's Course of the Graduate School of Sustainability Studies for 2 or more years, have acquired 30 or more credits from the designated classes of each program, and have passed the dissertation review and the final examination. However, with regard to the period of enrollment, if a student has achieved excellent research results, a master's degree will be awarded to the student on condition that he/she is enrolled in the Graduate School of Sustainability Studies for at least 1 year.

The degrees awarded in each program are as follows:

### Degree to be awarded

Social Data Science Program	Master's degree (Science)
Global Sustainability Science Program	Master's degree (Sustainability Science)

## 6. Long-term study system

Long-term study system is for student who has a full-time occupation and difficulty completing his/her Master's Course within the standard study period because of restricted time for class attendance or conducting research. The student may extend the study period of up to 4 years.

If application is approved at the time of admission, the student will pay the total amount of the tuition fee of 2 years evenly divided for each semester in the period approved.

The details of the Long-term study system, including the application method, will be informed when we send the documents for the admission procedure by mail.

Note that applications may not be approved.