

ADMISSIONS GUIDE
GRADUATE SCHOOL OF ENGINEERING
(Doctoral course)
MURORAN INSTITUTE OF TECHNOLOGY

Doctoral selection for CSC-MuroranIT Scholarship
October, 2023



Office of Admissions Strategic and Action Plan,
Muroran Institute of Technology
27-1 Mizumoto-cho, Muroran, Hokkaido, JAPAN 050-8585
E-mail nyushi@mmm.muroran-it.ac.jp
<https://muroran-it.ac.jp/>

< To Applicants >

◎ **You must discuss your research theme thoroughly with a faculty member whom you want to be your supervisor before submitting your application.**

https://www.muroran-it.ac.jp/nyushi/admission/youkou/supervisor_dc_2022.pdf

◎Muroran Institute of Technology has established the “Muroran Institute of Technology Security Trade Control Regulations” in accordance with the “Foreign Exchange and Foreign Trade Act”, and rigorously screens Foreign students.

Foreign applicants who fall under any of the conditions set out in said regulations may be unable to enter their desired course or program.

◎All dates and times stated in this guideline are based on Japan Standard Time

The information in this document is subject to change depending on the spread of COVID-19 infection.

Any changes will be announced on the institute's official website.

On the Handling of Personal Information

Muroran Institute of Technology (MuroranIT) complies with Personal Information Protection Act and other applicable ones and attempts to protect your personal information in accordance with MuroranIT’s Personal Information Management.

Personal information submitted to MuroranIT in the form of application documents will be used for selecting applicants for admission and as resources for reviewing the method for selecting applicants for admission. For admitted students, personal information will be used for registrar (student registry, learning assistance, etc.) and student support (tuition exemption, scholarship, etc.).

Admission Policy

The basic philosophy of Muroran Institute of Technology is "to provide comprehensive science and engineering education, taking advantage of the environment of Muroran, a city rich in nature and manufacturing, to nurture future engineers and scientists, to develop creative science and technology research in harmony with people, society and nature, to serve as a center of knowledge in the local and international communities, and to contribute to the development of the society.

Based on this philosophy, educational goals, human resource development vision, degree awarding policy (diploma policy), and curriculum policy, in order to develop human resources equipped "expertise and interdisciplinary skills," "resilience and comprehensive perspective," and "sociality and communication skills" stated the development vision of the Master's and Doctoral Programs, the following individuals are sought, respectively.

(1) Graduate School of Engineering

1) Master's Program

1. Who have basic expertise equivalent to a bachelor's degree in science and technology
2. Who have a desire to acquire knowledge and information/data processing skills beyond their field of specialization in addition to their advanced expertise
3. Who have a desire to discover and solve diverse problems
4. Who have acquired a rich cultural background and are willing to collaborate with and contribute to the community and society at large.

2) Doctoral program

1. Who have expertise equivalent to a master's degree in science and technology
2. Who are willing to acquire broad knowledge beyond their specialized fields and practical research skills including information and data processing technologies, in addition to deepened and advanced specialized knowledge.
3. Who are willing to work on solutions of complex and difficult issues with comprehensive perspective.
4. Who have acquired a rich culture and advanced communication skills, and who are willing to collaborate with and contribute to the international and local communities at large.

(2) Student profile required for each Division in the Master's Program

1) Division of Sustainable and Environmental Engineering

In order to build a sustainable society in harmony with the environment in light of changes in the natural and social environment, the applicant should specialize in one of the following environment-related fields, have a desire to acquire knowledge and abilities beyond his/her field of specialization, and have the basic background to achieve these goals.

Research and development related to the creation of useful substances that make advanced use of chemical reactions and biological functions, the construction of systems that apply those substances and related phenomena, and the establishment of technologies to improve the living environment.

Research and development related to the construction, maintenance, and preservation of social infrastructure, including buildings and underground spaces, and disaster prevention

Research and development of planning, design, and construction for the creation of cities and residential spaces where people can live comfortably and safely

2) Division of Production Systems Engineering

By promoting and integrating fundamental research in the fields of aerospace aircraft and next-generation robots, which are the fruits of systems technology integration, the mechanical engineering fields that support these, and the physical properties and materials science fields required for the creation and development of advanced materials, we will create systems and develop elemental technologies that transcend conventional frameworks, thereby addressing environmental issues and Have the desire and basic knowledge to contribute to solving increasingly complex problems, such as energy issues.

3) Division of Information and Electronic Engineering

Systematic knowledge and expertise in the fields of information engineering and electrical and electronic engineering related to information systems and mathematical data science, electrical energy, communication systems, electronic devices, optical and quantum measurement technology, and control technology, as well as communication skills, teamwork skills, ethics, and self-learning abilities. And have the motivation and basic knowledge to carry out research and development in response to the needs of the society.

(3) Division of Engineering

The Division seeks a wide range of students who meet any of the following criteria

Who have the desire and ability to tackle complex issues in a wide range of environmental and creative engineering fields to build a sustainable society in harmony with the environment, taking into account changes in the natural and social environment.

Who have the desire and ability to tackle complex issues in the research and development of aerospace aircraft and next-generation robots that make full use of advanced systems technology, as well as in the advanced mechanical engineering and physical properties and materials science fields that support such research and development.

Who have the desire and ability to tackle complex issues in the fields of information engineering and electrical and electronic engineering related to that intelligence and information systems, electrical and telecommunications systems, and electronic device measurement, which create high-value social and engineering functions.

(4) Basic policy of screening

The Master's and Doctoral Programs of the Graduate School of Engineering will implement various admission methods in order to seek diverse and individualistic students, placing emphasis on the following in the selection of applicants.

1) Master's Program

1. have basic knowledge equivalent to a bachelor's degree in a specialized field
2. have a willingness to acquire advanced specialized knowledge and to work on finding and solving diverse problems
3. basic ability to gather and disseminate information in English.

2) Doctoral Program

1. have knowledge equivalent to a master's degree in a specialized field
2. have a desire to acquire in-depth and advanced specialized knowledge and to discover and solve diverse and complex problems.
3. ability to collect and disseminate information in English, as well as communication skills to collaborate widely.

Doctoral selection for CSC-MuroranIT Scholarship

This selection is based on the agreement concluded between Muroran Institute of Technology (MuroranIT) and the China Scholarship Council (CSC), and for students who will be a CSC –MuroranIT scholarship candidate after admission.

Successful applicants for this selection will be recommended by MuroranIT to CSC as CSC-MuroranIT scholarship candidates after being selected by MuroranIT.

1 Number of Admissions

Division	Course	Number of Admissions	
		Overseas Admissions	Domestic Admissions
Division of Engineering	Course of Advanced Sustainable and Environmental Engineering	a few	a few
	Course of Advanced Production Systems Engineering	a few	a few
	Course of Advanced Information and Electronic Engineering	a few	a few

2. Date of Entrance

October 1, 2023

3 Eligibility for Application

Among those who have Chinese nationality, one of the following shall apply.

- (1) Those who have been conferred a master's degree at a university designated for the "Project 211" in China, or those who are expected to be conferred by September 30, 2023.
- (2) Those who have been conferred a master's degree at a university in a country other than China, or those who are expected to be conferred by September 30, 2023.

4 Research fields

Applicants for this selection should set the following research fields as research themes after enrollment.

Applied Chemistry, Chemical and Biological Engineering, Architectural and Building Engineering, Civil Engineering, Mechanical Engineering, Robotics, Materials Science and Engineering, Applied Physics, Computer Systemics, Intelligent Informatics, Electrical and Communication Engineering, Electron Device and Instrumentation

5 Preliminary consultation

If you are physically challenging and need special assistance for entrance examinations and/or school attendance, you must make a request to the Admission Office for extra care in advance. Please inform us of those above as soon as possible so that MuroranIT can consider for your request.

In addition, the Admission Office provides consultations for entrance examinations and school attendance throughout the year. You must also notify in advance if you use an acoustic aid, a wheelchair or other daily support tools in the same way.

6 Application Procedures

(1) Registration period:

DATE OF ENTRANCE: OCT. 2023

Thursday, January 5, 2023 - Wednesday, January 18, 2023

(2) Documents to be submitted

Documents to be Submitted	Remarks
(A) Application form	All items should be completed in full.
(B) Photograph	The photograph of applicant with upper body facing front should be taken within 3 months of the date of application (size 4 cm X 3 cm). Paste it in the designated space.
(C) Certificate of graduation or certificate of expected graduation (Original or Certified Copy)	It must be on signature or seal by the president (or dean) of graduate school. Only applicants who have completed (or those who are expected to complete) a doctoral course (or master's course) or professional graduate school may submit a certificate of graduation or certificate of expected graduation. However, applicants who are submitting a certificate of expected graduation must submit a certificate of graduation prior to entrance to the Graduate School. (A certificate issued by a public agency with the same contents as the original is also acceptable.)
(D) Academic Transcripts (Original or Certified Copy)	Each one of official academic transcripts with seal or signature from the graduate school and the undergraduate school. (A certificate issued by a public agency with the same contents as the original is also acceptable.)
(E) Letter of recommendation (Optional form)	A letter from the supervisor the applicant seeks at Muroran Institute of Technology and another letter from either his/her superior at work or the president of the graduate school last attended.
(F) Statement of reason for application	A paper stating the applicant's reason for applying to the doctoral course in Japanese (400 characters) or English (100 words).
(G) Research Plan	A paper stating the applicant's Research Plan in our doctoral course in Japanese or English.

(H) Photocopy of Master's thesis and its Summary	One copy of each of the following must be provided. A summary stating an outline of the applicant's master's thesis in Japanese (2000 characters) or English (500 words). In the case of an applicant who will graduate from a master's course by March 2023, a paper stating the subject of the applicant's master's thesis and its progress in Japanese (2000 characters) or English (500 words) must be provided.
(I) A Certificate of residence or a copy of a passport	Submit a certificate of residence or a copy of your passport.
*Screening fee	Exempt

Notes: (i) The documents for above items (A), (F), and (G) should be written on the designated form of our institute. The formats of specified forms can be downloaded from the website:

https://muroran-it.ac.jp/entrance/gsee/guidelines_is/

(ii) All documents must be written in Japanese or English. If the original document is written in another language, a Japanese or English translation must be attached.

(iii) Incomplete application documents will not be accepted.

(iv) Supervisors you desire may not be available due to retirement, etc., so confirm available supervisors in our official website:

https://muroran-it.ac.jp/entrance/gsee/guidelines_is/

(v) Before going through application procedures, the applicant should seek the advice of his or her desired Supervisor for the contents of education/study, etc.

(3) Submission of application documents

Admissions Department, Muroran Institute of Technology
27-1 Mizumoto-cho, Muroran-shi, Hokkaido, Japan 050-8585

(i) Please mail the original application documents by EMS or registered mail.

(ii) Please email us that you have sent the application documents to our university the Admissions Department by e-mail before mailing.

(4) About the examination fee

No examination fee is required.

7. Screening Procedures

(1) Screening of the Applicant

Overseas admissions:

The screening will be based on the contents of all the documents submitted.

Domestic admissions:

The screening will be based on an oral examination, as well as the contents of all the documents submitted.

(2) Oral Examination

The oral examinations will be held from 1:30 p.m. on Saturday, January 28, 2023.

8. Location of Examination

Muroran Institute of Technology: 27-1 Mizumoto-cho, Muroran-shi, Hokkaido

Note: Information on test rooms will be posted on the day before the admission test on the message

board on the first floor of Building N of Education and Research Building No. 3 as well as on the message board for each faculty. The same information will also be posted on the website of MuroranIT.

9. Announcement of the Screening Result

10:00 a.m. on Friday, February 17, 2023.

The examination numbers of successful applicants will be posted on the first floor of Building N of Education and Research Building No. 3, as well as on the official MuroranIT website regarding screening results. In addition, a notice will be sent to all successful applicants by mail. Unsuccessful applicants will not be notified.

Note that those selected by separate selection from successful applicants will be recommended by MuroranIT to CSC as CSC-MuroranIT scholarship candidates.

10. Enrollment Procedures

Procedures period:

Tuesday, July 18, 2023 – Friday, July 28, 2023 (weekday only)

Applicants who have successfully passed the screening should prepare the necessary documents, and enrollment procedures during the dates listed above. Detailed information about the necessary documents, as well as the amount and payment method of the entrance fee and tuition fees, will be included in the enrollment information to be sent after the announcement of the successful candidates.

Those selected as CSC-MuroranIT scholarship recipients will be exempt from entrance and tuition fees.

In addition, CSC-MuroranIT scholarship recipients will receive a separate monthly stipend of 30,000 yen from MuroranIT.

Entrance fee: 282,000 Japanese yen [Expected amount]

Tuition fee (Reference)

1st Term 267,900 Japanese yen [Expected amount]

2nd Term 267,900 Japanese yen [Expected amount]

(Yearly total 535,800 Japanese yen [Expected amount] to be paid in two installments in May and November.)

11. Information about the Institute

- (1) Muroran Institute of Technology is a national institute.
- (2) The Doctor's course is a three-year course after finishing a Master's Course. The degree will be conferred to those who have earned the required credits, submitted a research thesis and passed the oral defense of the thesis.
- (3) Dormitory for Foreign Students: A limited number of students are permitted upon selection by the Institute to live there for one year only, if space is available.

12. The Exemption and Postponement of the Entrance Fee and Tuition Fee

For those who did not become CSC-MuroranIT scholarship recipients, there is a system of admission fee exemption / collection deferment and tuition fee exemption / collection deferment, and those who fall under the following eligible persons can apply.

- (1) The exemption of the entrance fee will be approved for those who are admitted to our Graduate School, and for whom it is difficult to pay the entrance fee, and those whose academic performance is judged excellent.
- (2) Postponement of the entrance fee will be approved for those who are admitted to our Graduate School, and for whom it is difficult to pay the entrance fee within the admission period, and whose academic performance is judged excellent.
- (3) Those whose application form for the exemption and postponement has been accepted do not need to pay the fee, until its approval or non-approval has been decided. If the applicant pays the fee before the decision, their application for the exemption or postponement is nullified.
- (4) The exemption and postponement of the tuition fee
Students will be informed and advised in detail regarding exemption and postponement of the tuition fee in documents related to admissions.
- (5) If applying for the program of entrance fee exemption or postponement, and then declining admission after completing the admission procedures, the application for the program shall not be approved, and the entrance fee shall be paid.

Request for Documents and Queries Concerning the Exemption and Postponement of the Entrance Fee and Tuition Fee should be addressed to:

Student Support Section, Academic Affairs Department, Muroran Institute of Technology
27-1 Mizumoto-cho, Muroran, Hokkaido, Japan 050-8585
E-mail kousei@mmm.muroran-it.ac.jp
Office Hour: 8:30–12:00, 13 : 00–17:15 (Weekday only)

11. 職歴 Employment Record

職 場 名 Name of Company or Employer	所 在 地 Location	職名 Job Title	勤 続 期 間 Period of Employment
			From to
			From to
			From to

12. 日本語の知識 Proficiency in Japanese Language

読解力 Reading	優 <input type="checkbox"/> Excellent	良 <input type="checkbox"/> Good	可 <input type="checkbox"/> Fair	不可 <input type="checkbox"/> Poor
会話力 Speaking	優 <input type="checkbox"/> Excellent	良 <input type="checkbox"/> Good	可 <input type="checkbox"/> Fair	不可 <input type="checkbox"/> Poor
筆記力 Writing	優 <input type="checkbox"/> Excellent	良 <input type="checkbox"/> Good	可 <input type="checkbox"/> Fair	不可 <input type="checkbox"/> Poor
聴取力 Listening	優 <input type="checkbox"/> Excellent	良 <input type="checkbox"/> Good	可 <input type="checkbox"/> Fair	不可 <input type="checkbox"/> Poor

日本語の学習歴 Japanese Language Background, if any

学 習 機 関 名 Name of Institution	所 在 地 Location	学 習 期 間 Period of Study
		From To
		From To
		From To

13. 外国語の知識 Proficiency in Foreign Language

English	優 <input type="checkbox"/> Excellent	良 <input type="checkbox"/> Good	可 <input type="checkbox"/> Fair	不可 <input type="checkbox"/> Poor
French	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
German	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Spanish	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor
Other ()	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor

研究（希望）計画書

RESEARCH PLAN

受験番号	この欄には何も記入しないこと
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* いずれかの項目に✓を記入すること。（* Put ✓ in box below）

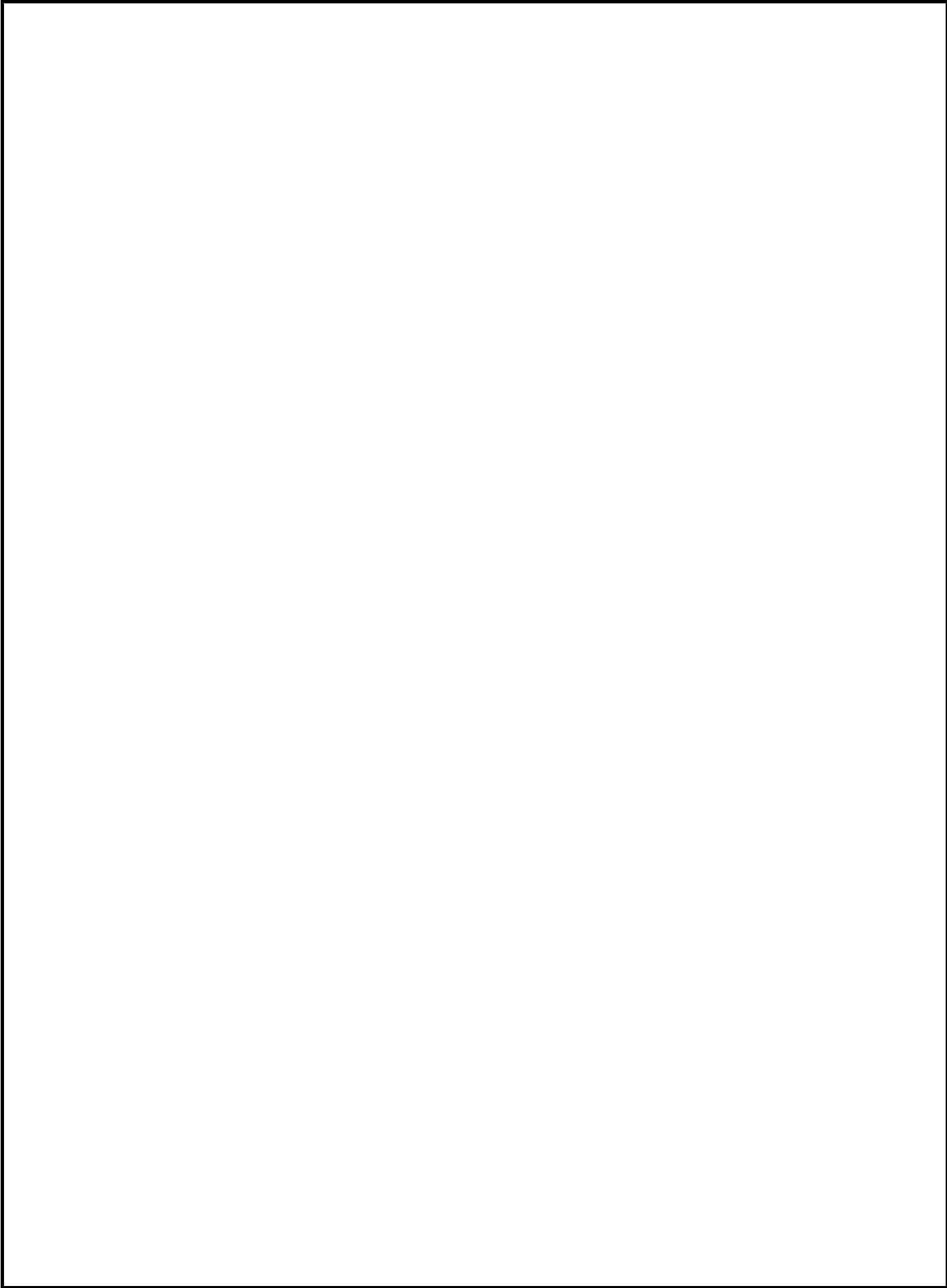
入学区分	2023年度10月入学（DATE OF ENTRANCE: October, 2023）
選抜区分	<input type="checkbox"/> CSC-MuroranIT 奨学金入試国内出願 （CSC-MuroranIT Scholarship Entrance Examination (Domestic Application)） <input type="checkbox"/> CSC-MuroranIT 奨学金入試国外出願 （CSC-MuroranIT Scholarship Entrance Examination (Overseas Application)）

以下の a～g について順を追って記述すること。（Prepare a document in order of a to g）

- 研究のタイトル（Research subject）
- これまでの研究の背景と解決すべき課題（Research background and issue to be dissolved）
- 課題解決の方法と特色，独創性（Originality of research）
- この研究の波及効果（Expected results and impacts）
- DC コースでの研究目的及び研究計画（Objectives and research outline）
- 年次計画内容の詳細（Details of your research plan for each academic year）
- 投稿を目指す論文雑誌名（The journal you intend to submit）

氏名（Name in Full）	
志望コース（Course you apply for）	

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最大4ページまで
(Up to 4 pages of document)

志望理由書

STATEMENT OF REASON FOR APPLICATION

受験
番号

この欄は必ずしも記入しないこと

Fill boxes with ✓

- CSC-MuroranIT 奨学金入試国内出願
(CSC-MuroranIT Scholarship Entrance Examination (Domestic Application))
- CSC-MuroranIT 奨学金入試国外出願
(CSC-MuroranIT Scholarship Entrance Examination (Overseas Application))

氏名 (Name in Full)

志望コース
(Course you apply for)

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