

The Entrance Examination Guidance

for Foreign Students

Admission Policy

The mission of the Tohoku University is to perform education and research at the highest international levels of excellence. Making the best use of its renowned tradition and integrated faculties, graduate schools, research institutes, and other educational and research centers and facilities, the University aims to develop its position as a center of excellence for the creation of general knowledge and as a research-intensive university through emphasis on graduate courses.

The Graduate School of Environmental Studies is promoting an educational framework that can become the base for sustainable society by integrating the knowledge of Tohoku University as a comprehensive university. The School aims at developing the framework for environmental science by eliminating traditional boundaries between the humanities and sciences. The Graduate School of Environmental studies would like to encourage to apply with this goal in mind.

By entering and studying at the Graduate School of Environmental Studies, persons who have already worked as engineers, teachers or researchers can turn their previous experience into a real advantage during their enrollment. Furthermore, they can refresh their knowledge and skills, or develop new areas of expertise, which will help them to propose creative solutions.

In the selection of foreign students, differences in curriculum and academic graduation calendars in of foreign countries will be taken into consideration. The School will assist the acceptance of foreign students on different academic calendars who have finished their undergraduate studies.

The Graduate School of Environmental Studies invites those who are concerned about environment, those who are interested in nature, society and human beings, and those who are full of ideas and dreams , those who can challenge to pioneer research in a various fields, those who have broad and international outlooks, those who would like to develop theory and practice with persistence, and those who can prove themselves as leaders of society with strong ethical philosophy and sense of duty to apply. The school

has a strong tradition to take care of its students and associates and will provide the best resources for making your study both productive and memorable.

1. Educational Courses of the Graduate School of Environmental Studies for Foreign Students

The Graduate School of Environmental Studies offers four courses and three special programs for foreign students:

Courses:

- Regional Environment and Socio-Cultural Studies
- Geosystems and Energy Sciences
- Environmental Chemistry and Ecoengineering
- Ecomaterial Design and Process Engineering

* Most of the lectures of these courses above are given in Japanese.

* For information on these courses, see: <http://www.tohoku.ac.jp/en/kyoiku.html>

Special Post-Graduate Programs:

- “Human Security and Environment” Program

<http://www.kankyo.tohoku.ac.jp/adm/human.pdf>

- International Doctoral Program

<http://www.eng.tohoku.ac.jp/english/program/?menu=itn>

- Energy Security: JAPEX Endowed Division

http://www.kankyo.tohoku.ac.jp/yoko_siryu.html

* For information on the examination of special programs see the websites above.

* Lectures of these special programs are given in English.

2. Academic Calendar

The Graduate School of Environmental Studies has an academic year that is comprised of two semesters, including spring and summer vacation periods. Consequently, application and admission are possible twice a year. Closing dates for applications depend on the course commencement date, which are usually in the middle of June (for October enrollment) and the beginning of January (for April enrollment). The 2008/2009 academic year is divided as follows:

1st semester: from April 1, 2009 to September 30, 2009

2nd semester: from October 1, 2009 to March 31, 2010

3. Guidance for 2009 Examinations

1) Entrance Examination

Application deadline:

Applications will be accepted from January 6, 2009 to January 9, 2009. If posted, we will accept the application postmarked not later than January 8, 2009. Office hours are from 9:00 am to 11:45 am and from 1:00 pm to 4:30 pm.

Examination Date

The entrance examination for Graduate School of Environmental Studies is carried out on March 2-4, 2009 at Aoba-yama campus of Tohoku University, Japan.

Entrance date will be in April 1.

2) Screening

Successful applicants will be decided by the evaluations of submitted documents, entrance examination results, interview and language proficiency.

3) Notification of results

Results will be published by the general office of the Graduate School of Environmental Studies at 5:00pm on March 11, 2009. Notification of results will be sent by post to all applicants.

4) Enrollment formalities

Details will be sent when the notification of acceptance is delivered.

5) Admission and other fees

Applications can only be processed after confirmed receipt of the application and entrance examination fees. Application documents and entrance examination fees are non-refundable. Successful candidates must complete the required registration procedures and pay admission and tuition fees immediately after receiving notification of the entrance examination results. Tuition is payable in two installments during each semester. Tuition fees, in special circumstances, may be partially or totally waived depending on the applicant's financial situation. Applications for tuition waiver may be submitted in April and October. For further information and application forms for

tuition waiver, please consult with the staff of the Academic Affairs Section of the Graduate School of Environmental Studies.

International applicants who have been awarded Japanese Government Scholarships (Monbukagakusho Scholarship) are exempt from paying tuition and other fees mentioned above.

Exchange students should consult their home university to determine whether their exchange agreements exempt tuition.

Admission fee 282,000 yen

Tuition fee for the first semester 267,900 yen (535,800 yen per year)

Notes: All listed fees are in Japanese Yen and are subject to change without notice.

6) Contact address for requesting an application guidebook and for further information about the entrance examination may be obtained from:

Academic Affairs Section,
 Graduate School of Environmental Studies,
 6-6-20 Aramaki-Aza Aoba, Aoba-Ku,
 Sendai, Japan 980-8579
 Tel: +81-22-795-4504
 e-mail: kyomu@mail.kankyo.tohoku.ac.jp

7) For more details, please refer to the following link:

Tohoku University: Center for International Exchange

http://insc.tohoku.ac.jp/main_e.html

(guide and handbook for international students)

3. Master's Course Guidance

1) Number of Admissions, April, 2009

Division	Courses	
Environmental Studies Courses	Regional Environment and Socio-Cultural Studies*	<10
	Geosystem and Energy Sciences	
	Environmental Chemistry and Ecoengineering	
	Ecomaterial Design and Process Engineering	

Total Number of Accepted Applicants	<10
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During the entrance exam, applicants are divided according to the different groups within a research field. Exams for different examination groups will be held according to the attached list No.1. For examination information, please refer to the attached list No. 2 for Master's Course and list No.3 for Doctoral Course.

2) Conditions for Application

Applicants for the Master's Course must have already 16 years of education as of March 2009.

For other conditions, please consult with a prospective supervisor or admission staff in advance.

3) Required Documents for Application

Required Documents	
Application Form and C.V.	Prescribed. See note (1)
Grades' Transcript	Issued by the (officials) head of department of the university where applicant graduated
Graduate (prospect) certification or degree (prospect) certification	Issued by the (officials) head of department of the university where applicant graduated or equivalent.
Research proposal	For prospective students of the humanities and social science group only (refer to attached list No.1) 4,000 characters in Japanese (or English equivalent to it). See note (2).
Admission ticket for examination and Photo ticket	Full facial photo taken within the past 3 months
Examination Fee	30,000 Japanese yen
Receipt for Examination Fee	Prescribed (please fill in your name on both sheets)
Envelope for Application	Prescribed (please fill in the sender blank before submitting)
Self-addressed stamped envelope for delivering Admission ticket	Prescribed (please fill in your address, name, post-code and put necessary amount of stamps)
Self-addressed stamped envelope for informing the test results	Prescribed (please fill in your address, name, post-code and put necessary amount of stamps)

Formal certificate of TOEFL/TOEIC score	<p>Not necessary for applicants from English-speaking countries.</p> <p>Requirements are different for each group, therefore, please refer to footnote (3) for an explanation.</p> <p>Those who have to submit formal certificates, please, keep in mind that formal certificate should be issued after <u>January 1, 2006</u></p>
Letter of reference (no specific format)	Applicants of Humanities and Social Science group are exempted. Please refer to footnote (4).

NOTES:

(1) Besides the required documents mentioned above, we appreciate submission of theses, published papers and presented reports that could demonstrate the applicants' academic ability.

(2) It is advisable for applicants to discuss research content and other matters as the entrance examination fee, etc. with a prospective supervisor.

(3) About the presentation of the TOEFL/TOEIC formal certificate

The handling of TOEFL/TOEIC in the English examination is different as follows.

(Refer to attached list No.2.)

1. Humanities and Social Science group: TOEFL/TOEIC scores are not required.
2. Environment and Geography group: Written test is required, but if the TOEFL/TOEIC certificate is submitted, the higher score will be adopted.
3. Environment and Energy Engineering group: Written test is not required. TOEFL/TOEIC certificate is required.
4. Chemistry and Biomolecular Engineering group: Written test is required. TOEFL/TOEIC certificate is not required.
5. Materials Science group: TOEFL/TOEIC certificate is not required.

(4) All applicants, except those who are applying to Humanities and Social Studies group, have to submit Letters of reference. Letters of reference should be written by persons who can comment from personal knowledge on the applicant's academic or professional qualifications for graduate study. Wherever possible, letters of reference should be submitted from academic sources. If, however, an applicant has been out of school for a number of years, professional references may be more suitable. References written by family members or friends are not acceptable for the purposes of the

application.

4. Doctoral Course Guidance

1) Number of Admissions, April, 2009

Divisions	Courses	Quota
Environmental Studies	Regional Environment and Socio-Cultural Studies*	<10
	Geosystem and Energy Sciences	
	Environmental Chemistry and Ecoengineering	
	Ecomaterial Design and Process Engineering	
Total Number of Accepted Applicants		<10

During the entrance exam, applicants are divided according to the different groups within a research field belongs to. Exams for different examination groups will be held according to the attached list No.1. For examination information, please refer to the attached list No. 2 for Master's Course and list No.3 for Doctoral Course.

2) Conditions for Application

Applicants for April 2009 admission, must have a Master's Degree or Professional Degree, or must have acquired the degree by March 2009.

* It is advisable for applicants to consult with a prospective supervisor about the conditions for application in advance.

3) Required Documents for Application

Required Documents	
Application Form and C.V.	Prescribed. See note (1)
Grades' Transcript during master and undergraduate studies	Issued by the (officials) head of department of the university where applicant graduated
Master and undergraduate certification or degree (prospect) certification	Issued by the (officials) head of department of the university where applicant graduated or equivalent.

Copy of Master Thesis	Applicant who cannot provide copy of the master thesis must submit research proposal of 4,000 characters in Japanese (or English equivalent to it)
Research proposal	For prospective students of the humanities and social science group only (refer to attached list No.1) 4,000 characters in Japanese (or English equivalent to it). See note (2).
Admission ticket for examination and Photo ticket	Full facial photo taken within the past 3 months
Examination Fee	30,000 Japanese yen
Receipt for Examination Fee	Prescribed (please fill in your name on both sheets)
Envelope for Application	Prescribed (please fill in the sender blank before submitting)
Self-addressed stamped envelope for delivering Admission ticket	Prescribed (please fill in your address, name, post-code and put necessary amount of stamps)
Self-addressed stamped envelope for informing the test results	Prescribed (please fill in your address, name, post-code and put necessary amount of stamps)
Formal certificate of TOEFL/TOEIC score	Not necessary for applicants from English-speaking countries. Requirements are different for each group, therefore, please refer to footnote (3) for an explanation. Those who have to submit formal certificates, please, keep in mind that formal certificate should be issued after January 1, 2006
Letter of reference (no specific format)	Applicants of Humanities and Social Science group are exempted. Please refer to footnote (4).

NOTES:

- (1) Besides the required documents mentioned above, we appreciate submission of theses, published papers and presented reports that could demonstrate the applicants' academic ability.
- (2) It is advisable for applicants to discuss research content and other matters as the entrance examination fee, etc. with a prospective supervisor.

(3) About the presentation of the TOEFL/TOEIC formal certificate

The handling of TOEFL/TOEIC in the English examination is different as follows.

(Refer to attached list No.3.)

1. Humanities and Social Science group: TOEFL/TOEIC scores are not required.
2. Environment and Geography group: Written test is required, but if the TOEFL/TOEIC certificate is submitted, the higher score will be adopted.
3. Environment and Energy Engineering group: Written test is not required. TOEFL/TOEIC certificate is required.
4. Chemistry and Biomolecular Engineering group: TOEFL/TOEIC certificate is not required.
5. Material Science group: TOEFL/TOEIC certificate is required.

(4) All applicants, except those who are applying to Humanities and Social Studies group, have to submit Letters of reference. Letters of reference should be written by persons who can comment from personal knowledge on the applicant's academic or professional qualifications for graduate study. Wherever possible, letters of reference should be submitted from academic sources. If, however, an applicant has been out of school for a number of years, professional references may be more suitable. References written by family members or friends are not acceptable for the purposes of the application.

Attached List No. 1 Entrance examination groups and outline of research fields

The Graduate School of Environmental Studies has four courses, but during the entrance examinations, applicants are divided into five groups. The groups for entrance examination are summarized below.

Humanities and Social Science Group

This group is for those who are specializing in the fields of Humanities and Social Science of the Regional Environment and Socio-Cultural Studies course. After enrollment students belong to each of the research fields for which they had applied. The purpose of the research fields in this group is to consider and resolve environmental problems and explain the link between human and environment from perspectives in political science, economics, history of thought, history, folk studies, anthropology, linguistics, and literature. The main regions of interest are East Asia, Southeast Asia, North Asia, the Middle East and Central Asia.

Environment and Geography Group

This group is for those who major in the fields of physical geography, human geography, geophysics, and civil engineering. Applicants of this group should possess basic academic ability in one of the four fields mentioned above, but it is desirable if the applicants are interested in other fields as well. After enrollment, the students will belong to either “Regional Environment and Socio-Cultural Studies Course” or “Geosystems and Energy Sciences Course”.

Environment and Energy Engineering Group

This group is for those who are interested in various fields of science including Mechanical systems, Earth geophysics, Material science, Chemistry, Biological systems etc. After enrollment, students will belong to “Geosystems and Energy Sciences Course”, “Environmental Chemistry and Ecoengineering course” or “Ecomaterial Design and Process Engineering course”. In making an application, it is necessary for applicants to understand the content and the direction in their field of application. Thus, it is essential for applicants of Ph.D. program to discuss research plans with a prospective supervisor before application submission.

Chemistry and Biomolecular Engineering Group

This group is mainly for those who major in chemistry, biochemistry, applied chemistry

and chemical engineering. Students will be assigned to “Environmental Chemistry and Ecoengineering Course” after enrollment. In this course, research methods and techniques are used to solve problems in chemistry, biochemistry and chemical engineering. Main areas of interest are global environment and environmental problems.

Materials Science Group

This group consists of six research fields. However, enrolled students are provided education and research in six other research fields, such as “Ecomaterial Design and Process Engineering Course”. Each research fields belonging to this group, i.e. materials science and engineering, materials reaction engineering, materials process engineering, eco-material engineering, high-temperature materials, and materials characterization and environmental materials science are basic learning domains. All fields aim at advancing the core knowledge and contributing to the science by merging with other academic domains to find new solutions for global environmental problems.

Research Fields and Faculty Members

Regional Environment and Socio-Cultural Studies Course

Group for entrance examination	Research Field (Laboratory)	Research Topic	Professor Associate Professor lecturer
Humanities and Social Science	International Environmental Economics	International Trade and Environment	Masao Satake (Prof.)
	Socio-economic Dynamism of East Asian Countries	Industrialization and Environmental Issues	Shigeaki Fujisaki(Prof.)
	The Thoughts of East Asia	The Civilization and Nature on the Ancient China	Yuichi Asano (Prof.)
	Social Anthropology	Dynamic interrelationship between environment and society	Cooperative Division (CNEAS) Masahisa Segawa(Prof.) Hiroki Takakura(Associate Prof.) Toshihiro Ueno(Associate Prof.)
	History on East Asian	Historical explanation of political, economic, social system in Japan and China	Cooperative Division (CNEAS) Arata Hirakawa(Prof.)
	Environmental Sciences and Policies	Environmental, Energy and Economic Issues	Cooperative Division(CNEAS) Jusen Asuka(Prof.) Atsushi Ishii(Associate Prof.)
	Regional Study on Inner Asia	Asian Studies	Cooperative Division(CNEAS) Hotoshi Kuribayashi(Prof.) Hiroki Oka (Prof.)
	Ethnic Culture and Environment	Ethnic, Culture, Environmental Attitude	Cooperative Division (CNEAS) Kenji Yanagida (Associate Prof.)
Environment and Geography	Physical Environmental Geography	Geographical Analyses on Human-Environment Relations	Kiyotaka Sakaida(Prof.)
	Human Environmental Geography	Geographical Analyses on Human-Environment Relations	Gen Ueda (Associate Prof.)

	Watershed Environmental Studies	Researches on Water resources and environments	So Kazama(Associate Prof.)
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Geosystems and Energy Sciences Course

Group for entrance examination	Research Field (Laboratory)	Research Topic	Professor Associate Professor Lecturer
Environment and Geography	Earth System Monitoring and Instrumentation	Variations of ozone and related trace species in the atmosphere	Isao Murata(Associate Prof.)
	Global Environment	Climate changes	Related Division (National Institute for Environmental Studies) Yasuhiro Sasano(Guest Prof.) Hideaki Nakajima Toshinobu MAeda (Guest Associate Prof.)
Environment and Energy Engineering	Geomaterial and Energy	Geoscience and Technology	Noriyoshi Tsuchiya (Prof.) Hideyuki Takahashi (lecturer)
	Earth System Monitoring and Instrumentation	Interdisciplinary research for energy environmental studies	Hiroaki Nitsuma(Prof.) Hiroshi Asanuma (Associate Prof.) Hirokazu Moriya(lecturer)
	Environmental Geomechanics	Toward advanced environmental geomechanics and energy technology	Koji Matsuki(Prof.) Kiyotoshi Sakaguchi(lecturer)
	Earth Exploitation Environmental Studies	Studies on environment-friendly development systems	Hiroshi Takahashi (Prof.)
	Environment and Energy System Dynamics	Towards the development of energy systems with low environmental load	Tatsuya Kawada(Prof.) Kouji Amezawa (Associate Prof.)
	Information Sciences for Environment	Natural sources in the Northeast Asia	Cooperative Division (CNEAS) Motoyuki Sato(Prof.)

	Crustal Complex Systems Design	Earth energy system resources design	Cooperative Division (FRRI) Toshiyuki Hashida (Prof.)
	Extraction of Crustal Energy	Extracting earth energy resources	Cooperative Division (IFS) Kazuo Hayashi (Prof.) Takatoshi Ito (Associate Prof.)
	Environmental Risk Assessment		Related Divisions (National Institute of Advanced Industrial Science and Technology) Takeshi Komai (Visiting Prof.) Mio Takeuchi (Visiting Prof.)

Environmental Chemistry and Ecoengineering Course

Group for entrance examination	Research Field (Laboratory)	Research Topic	Professor Associate Professor Lecturer
Environment and Energy Engineering	Environmental Ecology Design*	Development of technology for preservation of the water-environment	Ken Hosoya (Prof.)
	Harmonic Material for Environment	Toward Realization of Medical Care with Low Environmental Load	Koji Ioku (Prof.)
	Geoenvironmental Remediation	Development of Environmental Load Reduced Remediation Technology	Chihiro Inoue (Prof.)
Chemistry and Biomolecular Engineering	Environmental Bioengineering	Development of Environmental/Biomedical Sensing Devices with Micro/Nano Electrode Systems	Tomokazu Matsue (Prof.) Hitoshi Shiku (Associate Prof.)
	Environmental Analytical Chemistry	Development of Chemical Motifs for Environmental and Biochemical Analysis	Hitoshi Hoshino (Prof.) Nobuhiko Iki (Associate Prof.)
	Recycling Chemistry	Aim for the realization of resources-material recycling society	Toshiaki Yoshioka (Prof.)

	Environmental Green Process Study	Green Process Development	Smith Richard Lee Jr. (Prof.) Masaru Watanabe (Associate Prof.)
	Environmental Benign Organic Synthesis	Development of Novel Synthetic Reactions and Functional Molecules	Tetsutaro Hattori(Prof.)
	Chemistry for Environmental Inorganic Materials	Advance materials system	Cooperative Division(IMRAM) Tsugio Sato(Prof.) Shu Yin(Associate Prof.)

Ecomaterial Design and Process Engineering Course

Group for entrance examination	Research Field (Laboratory)	Research Topic	Professor Associate Professor Lecturer
Environment and Energy Engineering	Designing of Nano-Ecomaterials	Development of functional nano-ecomaterials for energy and environment in the environmentally benign systems	Kazuyuki Tohji(Prof.)
	Nature Technology	From the Materialistic to the Spiritualistic Monotsukuri	Emile H. Ishida(Prof.)
	Control of Environmental Materials	Towards Establishing Environmentally Benign Material Synthesis	Endowed Division (Dowa Mining Co.,LTD) Balachandran Jeyadevan(Prof.)
	Geosphere Environment	New Material Circulation Systems	Endowed Division (Dowa Mining Co.,LTD) Toshikazu Shiratori (Visiting Prof.)
	High-Temperature Processing and Property for Advanced Materials	High-Temperature Processes and Measurements of Materials	Cooperative Division(IMRAM) Hiroyuki Fukuyama(Prof.)
	Designing of Environmental Physical Functions	Development of new mechanical refining processes and recycling of valuable materials from wastes, synthesis of functional powder materials	Cooperative Division(IMRAM) Fumio Saito(Prof.) Junya Kano(lecturer)

	Materials Recycling Processes	Advance chemical process	Cooperative Division(IMRAM) Eiki Kasai(Prof.)
	Physical Recycling Processes	Advanced process engineering for materials circulation	Cooperative Division(IMRAM) Takashi Nakamura(Prof.) Etsuro Shibata(Associate Prof.)
Materials Science	Material Process for Circulatory Society	Material Process for Circulatory Society	Shoji Taniguchi(Prof.) Noboru Yoshikawa (Associate Prof.)
	Structural Materials for Eco-Friendly Systems	Atomistic of material strength and lattice defect control engineering	Kouichi Maruyama(Prof.) Kyosuke Yoshimi (Associate Prof.)
	Life Cycle Assessment	Ecomaterial design and process engineering toward sustainable material cycle	Tetsuya Nagasaka(Prof.)
	Analytical Sciences for Environmental Evaluation	Development of new instrumental methods in quantitative elemental analysis	Cooperative Division(IMR) Kazuaki Wagatsuma(Prof.)
	Eco-friendly Materials and Systems	Materials for New Energy Needs	Cooperative Division(IMR) Shin-ichi Orimo(Associate Prof.)
	Process Engineering for Environmentally Adapted Materials	Constructing new industrial society, finding ways to produce more while protecting environment	Collaborative Division (Nippon Steel Corporation) Yuichi Sato(Visiting Prof.) Keisuke Fujisaki(Visiting Prof.) Masanori Nakano (Visiting Prof.)

Abbreviations

CNEAS: Center for Northeast Asian Studies FRI: Fracture and Reliability Research Institute
IFS: Institute of Fluid Science IMRAM: Institute of Multidisciplinary Research for Advanced Materials
IMR: Institute for Materials Research

Attached list No.2 Entrance Examination Information for Master's Course Students

Groups for Entrance Examination	Test Subject	Date and time	Content	Note
Humanities and Social Science	Japanese	August 25 9:00~10:30		(1) No dictionary allowed.
	Specialized subjects	August 25 13:00~14:30	The applicants' specialized fields	(2) Calculator, clock with such functions and mobile phones are not allowed.
	Oral exam	August 26 9:00~	Graduation thesis and research plan.	(3) Please refer to Attached List No. 1 for the fields and groups.
Environment and Geography	English	August 25 9:00~10:30	Written test is required. See Note (3)	(1) Calculator, clock with such functions and mobile phones are not allowed.
	Specialized subjects	August 25 13:00~14:30	The applicants' specialized fields	(2) Calculator will be provided if necessary.
	Oral exam	August 26 9:00~	Self-introduction on educational and social background, and plans after enrollment.	(3) If TOEFL/TOEIC certificate is submitted, the higher score will be adopted.
Environment and Energy Engineering	English		Submit a copy of TOEFL/TOEIC certificate. If you don't have it, you need to contact the Academic Affairs Section by e-mail: kyomu@mail.kankyo.toho.ku.ac.jp	(1) Calculator, clock with such functions and mobile phone are not allowed.
	Basic subjects	August 25 13:00~14:00		(2) Calculator will be provided if necessary.

	Specialized subjects	August 26 9:00~12:00		
	Interview	August 27 9:00~		
Chemistry and Bio-molecular Engineering	Basic subjects	August 25 9:00~10:40	Physical chemistry and organic chemistry 100 minutes	Reference : Entrance Examination Committee of Chemistry and Biomolecular Engineering Tel: +81-22-795-7262
		August 25 10:50~12:30	Mathematics and analytical chemistry 100 minutes	
	Specialized subjects	August 26 9:00~9:50	The applicants' specialized fields 50 minutes	
	English	August 26 10:00~10:50	50 minutes	
	Interview	August 26 13:00~	The Japanese proficiency will also be evaluated 30 minutes	
Materials Science	Oral exam	August 25 ~August 27	5 subjects including physics, chemistry, material chemistry, material science, metallurgy and material processing. The Japanese proficiency will also be evaluated. 30 minutes	(1) Screening English proficiency will be evaluated by the prospective supervisor. Mathematics ability will be judged by transcript. (2) Schedules will be given on an individual basis. *Please refer to the Entrance Examination Committee of Materials Science group for details. Tel: +81-22-795-7300
	Essay	August 25 ~August 27	In Japanese or in English, 40 minutes	
	Interview	August 25 ~August 27 Together with oral examination	10 minutes	

Attached list No. 3 Entrance Examination Information for Doctoral Course Students

Groups for Entrance Examination	Test Subject	Date and Time	Content	Note
Humanities and Social Science	Japanese	August 25 9:00~10:30		(1) No dictionary allowed. (2) Calculator, clock with such functions and mobile phones are not allowed. (3) Please refer to Attached List 1, for groups and research fields.
	Specialized subjects	August 25 13:00~14:30	The applicants' specialized fields	
	Oral exam	August 26 9:00~	Master's thesis and research plan, etc.	
Environment and Geography	English	August 25 9:00~10:30	Written test is required. See Note (3)	(1) Calculator, clock with such functions and mobile phones are not allowed. (2) Calculator will be provided if necessary. (3) If TOEFL/TOEIC certificate is submitted, the higher score will be adopted.
	Oral exam	August 25 13:00~14:30	Master's thesis and the applicants' specialized fields.	
	Interview	August 26 9:00~	Research performed previously and research plans.	
Environment and Energy Engineering	English		Submit a copy of TOEFL/TOEIC certificate. If you don't have it, you need to contact the Academic Affairs Section by e-mail: kyomu@mail.kankyo.tohoku.ac.jp	(1) Calculator, clock with such functions and mobile phones are not allowed. (2) Calculator will be provided if necessary.

	Basic and Specialized subjects	August 26 Time will be informed later		
	Interview	August 27 9:00~		
Chemistry and Bio-molecular Engineering	Basic subjects	August 25 9:00~10:30	Basic I (Inorganic, Analytical chemistry and Physical chemistry) Basic II (Organic chemistry and Mathematics) (select 1 question from 3 questions)	Reference : Entrance Examination Committee of Chemistry and Biomolecular Engineering Tel: +81-22-795-7262
	Specialized subjects		Applicants' specialized field. Basic subjects for 90 minutes total.	
	Interview	August 25 11:00~	Presentation on master's thesis and oral examination. 30 minutes	
Materials Science	General Specialized Examination	August 25-27	Oral examination. Questions on physics, chemistry and specialized subjects. 40 minutes.	(1) Screening English proficiency will be evaluated by the prospective supervisor. (2) Schedules will be given on an individual basis. *Please refer to the Entrance Examination Committee of Materials Science Group for details. Tel: +81-22-795-7300
	Specific Specialized Examination	August 25-27	Presentation on master's thesis or research performed previously (in Japanese or in English) 40 minutes	

Master's Programs at Graduate School of Environmental Studies, Tohoku University

APPLICATION FOR ADMISSION

Please type or print neatly in English, Please Use CAPITAL LETTERS

Examinee's seat number (for official use)		GM											
Application Group	Select Only One: <input type="checkbox"/> Humanities and Social Science <input type="checkbox"/> Environment and Geography <input type="checkbox"/> Environment and Energy Engineering <input type="checkbox"/> Chemistry and Bio-molecular Engineering <input type="checkbox"/> Materials Science		Application Course										
	Select Only One: <input type="checkbox"/> Regional Environment and Socio-Cultural Studies <input type="checkbox"/> Geosystems and Energy Sciences <input type="checkbox"/> Environmental Chemistry and Ecoengineering <input type="checkbox"/> Ecomaterial Design and Process Engineering												
Research Field of application													
	Family name												
	Middle name												
	First name												
Gender	Date of Birth			Nationality									
<input type="checkbox"/> Male <input type="checkbox"/> Female	Year	Month	Day										
Study source of income for	<input type="checkbox"/> Personal expense <input type="checkbox"/> National expense (MONBUKAGAKUSHOU) <input type="checkbox"/> Dispatched by Government (Government)												
Present status (with name and address of university, institution or employer)													
Present mailing address	Tel: _____ Fax: _____ E-mail address _____												
Permanent address (if different from above)	Tel: _____ Fax: _____												
Those presently enrolled in Tohoku University as student or non-degree researcher should write their Student Number													

Doctoral Programs at Graduate School of Environmental Studies, Tohoku University

APPLICATION FOR ADMISSION

Please type or print neatly in English, Please Use CAPITAL LETTERS

Examinee's seat number (for official use)	GD	<input type="checkbox"/> for enrollment in October, 2008 <input type="checkbox"/> for enrollment in April, 2009
Application Group	Select Only One: <input type="checkbox"/> Humanities and Social Science <input type="checkbox"/> Environment and Geography <input type="checkbox"/> Environment and Energy Engineering <input type="checkbox"/> Chemistry and Bio-molecular Engineering <input type="checkbox"/> Materials Science	Application Course Select Only One: <input type="checkbox"/> Regional Environment and Socio-Cultural Studies <input type="checkbox"/> Geosystems and Energy Sciences <input type="checkbox"/> Environmental Chemistry and Ecoengineering <input type="checkbox"/> Ecomaterial Design and Process Engineering
Research Field of application		
	Family name	
	Middle name	
	First name	
Gender	Date of Birth	Nationality
<input type="checkbox"/> Male	Year	Month
<input type="checkbox"/> Female		Day
Study source of income for	<input type="checkbox"/> Personal expense <input type="checkbox"/> National expense (MONBUKAGAKUSHOU) <input type="checkbox"/> Dispatched by Government (Government)	
Present status (with name and address of university, institution or employer)		
Present mailing address	Tel: _____ Fax: _____ E-mail address _____	
Permanent address (if different from above)	Tel: _____ Fax: _____	
Those presently enrolled in Tohoku University as student or non-degree researcher should write their Student Number		

APPLICATION FOR ADMISSION

Master Course and Doctoral Course Students

Please type or print neatly in English, Please Use CAPITAL LETTERS

Academic record				
	Name of education institution	Official number of years	Entrance and Graduation (Year/Month)	Registered Number of Years
Elementary			from to	
Secondary			from to	
Undergraduate			from to	
Postgraduate			from to	
Total years of academic education				
Degree	Type or Name	Acquired Date	Name of Institution	
Research activities record				
Name of university, institution or employer		Position	From (year/month)to	Number of years
			from to	
			from to	
			from to	
Career record				
Name of employer		Position	From(year/month)to	Number of years
			from to	
			from to	
			from to	
Date: _____ Signature: _____				

ADMISSION TICKET FOR EXAMINATION

Examinee's number (for official use, do not write in this blank space)	
Admission Period (Check one box only)	<input type="checkbox"/> for Master's Programs, enrollment is April, 2009 <input type="checkbox"/> for Doctoral Programs, Enrollment is April, 2009 <input type="checkbox"/> for Doctoral Programs, enrollment is October, 2009
Course of Application	Course
Research Field of Application	
Group of Application	Group
Name(First, Middle, Last)	

PHOTO TICKET

<p><u>PHOTO HERE</u></p> <p>Have a full facial photo taken within 3 months attached</p> <p>4cm×5cm size</p>
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Examinee's number (for official use, do not write in this blank space)	
Admission Period (Check one box only)	<input type="checkbox"/> for Master's Programs, enrollment is April, 2009 <input type="checkbox"/> for Doctoral Programs, Enrollment is April, 2009 <input type="checkbox"/> for Doctoral Programs, enrollment is October, 2009
Course of Application	Course
Research Field of Application	
Group of Application	Group
Name	