

**Master's Program  
2020 October (Fall) Admission**

---

# **Application Guidelines**

---

**【Special Entrance Examination for International Students I (Document screening)】**

**Application Period: June 11, 2020 – June 17, 2020**

**Akita University  
Graduate School of International Resource Sciences**

**<https://www.akita-u.ac.jp/shigen/>**

## **[Graduate School of International Resource Sciences]**

### **● Desirable qualities in applicants**

1. Those who are driven by a strong spirit of enquiry focused on resource, energy, and environmental issues to build a sustainable society and who want to acquire a high level of specialist knowledge, and take an active part in international resource development.
2. Those who are motivated and creative, who have an understanding of international ethical considerations and discernment, and who want to operate as resource engineers and researchers equipped with advanced knowledge.
3. Those who want to utilize an environment and system that facilitates learning for international and adult students who have abundant experience and understanding of diverse values.

## **[Master's Program]**

### **● Desirable qualities in applicants**

Our Master's Program welcomes students who are strongly motivated to acquire specialist knowledge and skills in order to contribute to society. Students are screened by a recommendation-based entrance examination system for our departments to facilitate the enrollment of outstanding students with excellent attitudes towards study and research.

## **[Department of Earth Resource Science]**

### **● Desirable qualities in applicants**

1. Those with an interest in earth science and a strong desire to pursue studies and research in this area in order to deepen the knowledge they have gained at the undergraduate level and go on to become engineers or researchers with a higher level of specialist knowledge.
2. Those wanting to acquire knowledge of earth science based on the knowledge acquired at the undergraduate level and their professional career with the aim of applying what they have learned to operate in the earth science field and boost their professional careers.
3. Those wanting to acquire the ability to engage in resource exploration and evaluation and work to resolve resource issues based on knowledge of earth science and skills.

### **● Acceptance policy for selecting students**

<Special Entrance Examination for International Students I : Selection by documents>

We evaluate application documents mainly with regard to “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness.”

<Special Entrance Examination for International Students II : Selection by documents and an interview>

We evaluate “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness” by documents and oral interview. At the interview we mainly evaluate “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness.”

## **[Department of Earth Resource Engineering and Environmental Science]**

### **● Desirable qualities in applicants**

1. Those with an interest in resource development and environmental science and a strong desire to pursue studies and research in this area in order to deepen the knowledge they have gained at the undergraduate level and go on to become engineers or researchers with a higher level of specialist training.
2. Those wanting to acquire the latest knowledge and practical skills in the field of resource development based on the knowledge acquired at the undergraduate level and their professional career with the aim of applying what they have learned to operate at a global level and boost their professional careers.
3. Those interested in acquiring the knowledge to understand economic evaluation methods in relation to resource development, as well as the political and cultural situations in countries with resources, aiming to understand from a specialist standpoint the flow from exploration and development through to refining and environmental conservation, as well as seek solutions to resource issues.

### **● Acceptance policy for selecting students**

〈Special Entrance Examination for International Students I: Selection by documents〉

We evaluate application documents mainly with regard to “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness.”

〈Special Entrance Examination for International Students II: Selection by documents and an interview〉

We evaluate “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness” by documents and oral interview. At the interview we mainly evaluate “knowledge and skills,” “reasoning, judgment, and expression,” and “initiative, diversity, and cooperativeness.”

## **Confidentiality of Applicant Information**

The personal information of applicants from submitted documents and from entrance examinations is used by Akita University solely for the following purposes:

- In matters related to selecting successful applicants (including related matters such as statistical processing)
- In the case of students who have completed enrollment procedures, post-admission enrollment management, academic guidance, matters related to student support and matters related to the collection of tuition fees.

**Special Entrance Examination  
for International Students I  
(Document screening)**

**Master's Program**  
**2020 October (Fall) Admission**  
**Graduate School of International Resource Sciences Akita University**

**Application Guidelines**

**Special Entrance Examination for International Students I (Document screening)**

Applicants must have received higher education in the field of the department they are applying to and meet all academic requirements. They should to be people of integrity and must be recommended by their university president or the dean of their department. Enrollment at Akita University must also be promised once the candidate is accepted.

**1. Number to be Admitted**

Department	Number to be Admitted
Earth Resource Science	a few
Earth Resource Engineering and Environmental Science	a few

It is highly recommended that applicants consult with prospective faculty members about the desired field or topics for study before application. Faculty education and research areas are listed on page 10-11. Please send the name of your prospective faculty member to the following email address.

〈Contact Address〉

Admissions Office Akita University

E-mail: [nyushi@jim.u.akita-u.ac.jp](mailto:nyushi@jim.u.akita-u.ac.jp)

**2. Application Qualifications**

- The status of residence of an incoming student must be “College Student.”
  - Non-Japanese nationals.
  - Applicants must have received higher education in the field of their desired department and meet all academic requirements. They should to be people of integrity and must be recommended by their university president or the dean of their department. One of the five qualifications below must also be satisfied and enrollment at Akita University must also be promised once the candidate is accepted.
- (1) Have completed 16 years of school education overseas; or will complete such a program by September 2020
  - (2) Have completed 16 years of overseas school education by taking a correspondence course offered in Japan by an overseas school; or will complete such a program by September 2020
  - (3) Have completed 15 years of education in an overseas school or will complete such a program by September 2020, and are recognized by Graduate School of International Resource Sciences as having acquired the required credits with an excellent record

- (4) Have completed a curriculum in an educational institution in Japan with curricula of an overseas university (only if completion of such curricula corresponds to completion of 16 year of school education in the university's home country), which is recognized as an institution by the home country's education system and by the Minister of Education, Culture, Sports, Science and Technology - Japan
- (5) Are recognized by the Graduate School of International Resource Sciences on the basis of individual application qualification screening that they have scholastic abilities equivalent to or higher than college graduates and will be 22 years old or older by September 30, 2020

**Note :**

- ① ***Non-Japanese nationals who graduated from a Japanese university or will complete such a program by September 2020, do not qualify for the Special Entrance Examination for International Students.***
- ② Applicants applying under requirement (3) of the Application Qualifications must contact the Admissions Office of the Graduate School of Akita University beforehand.
- ③ The item (5) of the Application Qualifications applies to those who have graduated from such institution as junior colleges, higher technical schools, or have completed courses in other educational institution.
- ④ Applicants who are accepted based on the qualifications above, yet are later confirmed as not being able to complete the admission procedures by the deadline, will not be admitted. Details on admission procedures will be sent to all accepted students along with a Letter of Acceptance.

### **3. Pre-evaluation of Application Qualification**

Applicants applying under requirement (5) of the Application Qualifications must submit the following documents to the Admissions Office of the Graduate School of Akita University for Pre-evaluation of Application Qualification. The request will be accepted starting on May 11, 2020 and no later than May 15, 2020, ①Pre-evaluation Request for Application Qualification (attached herein), ②Academic Record for Approval of Application Qualification (Complete Curriculum Vitae overleaf of the Pre-evaluation Request for Application Qualification.) ③Certificate of completion or prospective completion from their previous school, ④Academic Record Transcript which must be officially prepared by the university president, dean, or registrar of the school attended and sealed in an envelope, ⑤A certificate of employment, or other similar reference documents.

Applicants will be notified of the Application Qualification Pre-evaluation results no later than June 5, 2020.

### **4. Application Period and Mailing Address**

- (1) Application Period:

From June 11, 2020 to no later than June 17, 2020.

- 1) If brought in person or by proxy, application documents will be accepted at the Admissions

Office between 9:00 a.m. and 4:00 p.m.

- 2) If mailed, application documents must be sent by registered mail and “Application to Master’s Program, Graduate School of International Resource Sciences” must appear in red on the front side of the envelope. The documents must reach the Admissions Office no later than 4:00 p.m. on June 17, 2020. Special attention should be paid in estimating the days needed for overseas delivery.

- (2) Mailing address:

Admissions Office Akita University  
1-1, Tegata Gakuen-machi Akita-shi 010-8502 Japan  
Tel: +81-18-889-3178 Fax: +81-18-835-9924  
E-mail: [nyushi@jim.u.akita-u.ac.jp](mailto:nyushi@jim.u.akita-u.ac.jp)

## 5. Application Procedures

- (1) Documents to be submitted

① Letter of Recommendation

Recommendations must be written by the applicant’s supervising instructor and be signed by the president of the school or the dean of the faculty of the university.

***\* Please specify if the recommendation is issued from a recognized overseas partner university.***

② Application for Admission

Requested information must be entered on the designated form (attached herein) Complete Curriculum Vitae overleaf of the Application for Admission.

***\* Please specify if the recommendation is issued from a recognized overseas partner university.***

③ Photo ID Card

A frontal-view photograph of the applicant’s face, without a hat, 4.5 cm x 3.5 cm in size and taken within three months prior to this application must be affixed to the area of the Photo ID Card (attached herein) .

④ Certificate of Completion or Prospective Completion or Certificate of Graduation

Must be prepared by the president or the dean of the school attended.

Certificate of Graduation / Completion is not required if applying under requirements (4) or (5) of the Application Qualifications.

⑤ Academic Record Transcripts

Must be officially prepared by the university president, dean, or registrar of the school attended and sealed in an envelope.

⑥ Proof of Evaluation Fee Payment

Evaluation Fee is 30,000 yen.

When depositing from an overseas bank, please make sure that the fee is sent by Electronic wire transfer to the (below) bank account in yen. Payment made by other



currency will not be accepted. Any cost for the transfer is to be paid by the applicant. Please enclose a copy of “application for remittance” when mailing the admission application documents.

1. Amount: 30,000 yen (The fee must be received in yen)
2. Remittance Method: Electronic wire transfer
3. Remittance Fee: to be paid by the payer
4. Remittance Period: April 20, 2020 - June 17, 2020  
Japan time must be observed.
5. Remittance Information:  
Bank Name: Akita Bank, Ltd.  
Branch: Tegata Branch  
Address: 160-1, Aza-Yamazaki, Tegata, Akita-shi, Akita, 010-0851 Japan  
Account Number: 688502  
Recipient: Akita University  
Bank Identifier Code (SWIFT): AKITJPJT

**Note:**

- a) When filling out the “Application for Remittance,” please enter “Evaluation fee” as “Purpose of Remittance,” and enter “applicant’s name” in the message box.
- b) After remitting the evaluation fee, please send an e-mail notifying the Admissions Office as soon as possible. [E-mail : [nyushi@jimu.akita-u.ac.jp](mailto:nyushi@jimu.akita-u.ac.jp)]
- c) ***In case of remitting the evaluation fee from of Japan***, please send an e-mail to that effect to the Admissions Office.  
The Admissions Office will give instructions to you.  
Please do not make a remittance before receiving instructions.
- d) If the evaluation fee received does not meet the required amount of 30,000 yen, the application procedure will be considered incomplete, and the application will not be accepted. The Evaluation Fee will be returned to the applicant, but the remittance fee will be withheld.
- e) The Evaluation Fee is non-refundable in the case of non-acceptance or if the successful applicant decides not enroll.

⑦ Other

- 1) Applicants who live in Japan and do not have Japanese citizenship must submit a certified copy of their resident card that indicates their Status of Residence and issued by the municipality where they reside and issued by the Ministry of Justice. A copy of the applicants passport showing a) Personal information page with photo and b) Visa with Status of Residence.
- 2) Applicants residing overseas must submit an authorized certificate of his/her family register or proof of citizenship in the applicant’s home country.

**Note:**

From ① to ⑥ and ⑦ 2) if it is difficult to submit originals, please send an e-mail notifying the Admissions Office before deadline of application period. [E-mail: [nyushi@jimu.akita-u.ac.jp](mailto:nyushi@jimu.akita-u.ac.jp)]

(2) Important notice for submitting documents

- ① No application will be accepted unless all documents mentioned above are fully and accurately completed.
- ② Once submitted, documents will not be returned to applicant for any reason.
- ③ Applicants are not allowed to change their department choice after submission of their application.
- ④ If the contact address entered in the application form changes after submission, the Admissions Office must be promptly notified of the change.  
E-mail: [nyushi@jimu.akita-u.ac.jp](mailto:nyushi@jimu.akita-u.ac.jp)
- ⑤ Attached forms may be either hand-written or typed.

## 6. Evaluation of Applicants

Screening for admission will be conducted based on analysis of all documents submitted.

## 7. Pre-consultation for Disabled Applicants

As a preliminary step in the application process, disabled applicants (refer to the chart below) who need special consideration during either the application process or the Program itself must submit a letter detailing the items listed below together with a medical certificate prepared by a doctor no later than May 22, 2020. Early consultation is recommended since advance preparation may be needed in cases of severe disability.

- ① Name, age, contact address, telephone number, and department choice.
- ② Type and degree of disability.
- ③ Detailed explanation of care needed during application and course study.
- ④ Special preparation and care taken at the university last attended.
- ⑤ Description of everyday life.
- ⑥ Name, address, and telephone number of the university last attended.

If needs arise after the deadline of May 22, 2020 due to an accident or other contingency, please contact the Admissions Office immediately.

Type of Disability	Extent of Disability
Visual	Those with eyesight of less than 0.3 with both eyes (Universal Eyesight Test Chart) or who have ophthalmologic functional disorders that do not allow easy recognition of normal size letters or diagrams, even with the use of a magnifying glass.
Hearing	Those with an auditory capacity of more than 60 decibels (Audiometer testing) who have difficulty listening to normal talk even with a hearing aid.
Physical	1. Those who are not capable of performing basic daily tasks such as walking or writing even with the use of orthopedic or prosthetic devices. 2. Those with physical disabilities not as severe as the above but who need constant medical assistance and/or observation.

Health	1. Those who are under constant medical restrictions due to prolonged chronic respiratory, kidney, nervous system illness, malignant growth, or other disorders. 2. Those placed under medical restrictions due to prolonged weak or feeble health.
Other	Those not specifically mentioned above, yet require special consideration when either applying for admission or attending classes during the course of study.

Translated from the original by the Graduate School of Akita University.

**Note:**

- a) The above are in conformity with Article 22-3 of the School Education Law Enforcement Regulations.
- b) The above required information (items ①-⑥) are also requested if the applicant uses, on an everyday basis, common aids such as hearing aids, crutches, or a wheelchair.

## 8. Acceptance Notification

Results are tentatively scheduled to be e-mailed to all applicants at 1:00 p.m on July 14, 2020.

Therefore telephone inquiries will not be accepted. A Letter of Acceptance will be sent to successful applicants.

## 9. Promise of Enrollment

Accepted students must submit the Promise of Enrollment upon receipt of the Letter of Acceptance (a form enclosed with the Letter of Acceptance) to the Admissions Office no later than August 18, 2020. If this Promise is not received by the deadline, it will be understood that enrollment will not take place.

## 10. Admission Procedures

- (1) Details for Admission Procedures will be sent to all who are accepted along with the Letter of Acceptance. Accepted students are strongly advised to come to Japan in time to complete the Admission Procedures in person.
- (2) School Fees (must be paid in Japanese currency)
  - ① Admission fee: 282,000 yen (subject to change)
  - ② Tuition: 267,900 yen for the first semester (535,800 yen for the first academic year) (subject to change)

**Note :**

- a) Admission fees paid will not be refunded for any reason.
- b) The above school fees are projected amounts and are subject to change before or during the course. Revised admission fees will apply to all new students if the revision takes place before the end of the Admission Procedure Period. If the tuition is revised at the time of

- admission or during the Program, the new tuition takes effect at the time of revision.
- c) If a candidate cancels his/her admission before September 30, 2020, after completion of the Admission Procedures due to unavoidable circumstances, the tuition paid may be refunded upon the payer's request only after designated procedures are completed.
- (3) Other information
- ① Those with an excellent academic standing yet who have difficulty paying the admission fee due to financial circumstances and those who demonstrate other financial needs may be eligible upon screening to apply for financial aid. Those accepted will be either exempt from paying all or half of the admission fee, or may be allowed to pay the fee at a later date.
  - ② Those with an excellent academic standing yet who have difficulty paying the tuition due to financial circumstances and those who demonstrate other financial needs may be eligible upon screening to apply for financial aid. Those accepted will be either exempt from paying all, half or a third of the tuition, or may be allowed to pay the fee at a later date.

Admissions Office Akita University  
1-1, Tegata Gakuen-machi Akita-shi 010-8502 Japan  
Tel; +81-18-889-3178 Fax; +81-18-835-9924  
E-mail:[nyushi@jimu.akita-u.ac.jp](mailto:nyushi@jimu.akita-u.ac.jp)

## 11. Obtaining a Visa

The first step in obtaining a visa is to apply for a Certificate of Eligibility at the Ministry of Justice, Immigration Bureau in Japan. On behalf of those students who reside overseas, who have been accepted after evaluation, and who are confirmed to have completed all the admission procedure requirements, Akita University will apply for the Certificate of Eligibility upon the request of the student. Upon receipt of the Certificate of Eligibility from the Immigration Bureau, Akita University will then mail it to the student's address. The student is to submit his/her passport and the certificate to a Japanese diplomatic office (Japanese Embassy or Japanese Consulate) in their home country. A visa will be issued approximately one week after submitting the above documents.

### Note:

- a) Akita University International Exchange Center (hereafter referred to as the International Exchange Center) will request the residential status of "College Student" when applying for the Certificate of Eligibility upon the request of the student.
- b) Admission may be turned down by the student under unavoidable circumstances, but the student will be required to send the Certificate of Eligibility immediately back to the International Exchange Center along with a letter stating the reason for the cancellation.
- c) To ensure a prompt application process, applicants who commission the International Exchange Center to apply for the Certificate of Eligibility must make sure that all documents (explained below) are completely filled out and are submitted at the time of

applying for the course. However, the immigration office may find it necessary to request additional documents.

**Flow chart on how the college student visa is obtained:**

- ① Submission of documents necessary for Certificate of Eligibility at the time of application for the course  
(applicant → International Exchange Center)
- ② Completion of admission procedures after having been accepted  
(accepted student → Graduate School of International Resource Sciences)
- ③ Application for Certificate of Eligibility  
(International Exchange Center → Sendai Regional Immigration Bureau)
- ④ Issuance of Certificate of Eligibility  
(Sendai Regional Immigration Bureau → International Exchange Center)
- ⑤ Mailing of Certificate of Eligibility  
(International Exchange Center → accepted students)
- ⑥ Applying and obtaining of college student visa in the students' home country  
(Accepted student → Japanese Embassy or Japanese Consulate)
- ⑦ Entry into Japan under college student status

**Application Documents for Certificate of Eligibility**

\* Designated forms are available.

		Documents	No.of copies	Notes
*	(1)	Application for Certificate of Eligibility	1	Application forms and instructions are found at the Immigration Bureau in Japan web site.
*	(2)	Photo (40mm x 30mm)	1	The same photo used on the application form for the course must be pasted on the designated place of the Application for Certificate of Eligibility form.
	(3)	Copy of passport (if issued)	1	All the pages where the applicant's information is entered must be photocopied and submitted.
	(4)	Bankstatement of your supporter	1	Please submit a certificate for everyone if there are multiple financial sponsors.

For any questions about a certificate of eligibility:

Akita University International Exchange Center  
 1-1, Tegata Gakuen-machi Akita-shi 010-8502 Japan  
 Tel: +81-18-889-2258  
 E-mail: [ryugaku@jimu.akita-u.ac.jp](mailto:ryugaku@jimu.akita-u.ac.jp)

# **Outline of the Graduate School of International Resource Sciences**

# Outline of the Graduate School of International Resource Sciences

The Graduate School of International Resource Sciences was established to educate specialists with wide-ranging knowledge in fields from earth sciences through to resource development and environmental issues. Graduates will aim for achieving a sustainable society and operate as global leaders as a result of pursuing advanced studies and research backed by advanced knowledge and expertise in the fields of (1) resource and earth sciences and (2) resource development and environmental science. **All subjects are taught in English.**

## 1. Organization

The Graduate School of International Resource Sciences comprises a two-year master's degree Program followed by a three-year Doctor's Degree Program. The Master's Degree Program consists of two departments — Earth Resource Science, and Earth Resource Engineering and Environmental Science — based on the three undergraduate courses of the Faculty of International Resource Sciences. The Doctor's Degree Program has a different structure, comprising a single department (major) — Department of Resource Science — with two divisions.

### Graduate School of International Resource Sciences Master's Program

Department	Division
Earth Resource Science	Earth Resource Science
Earth Resource Engineering and Environmental Science	Earth Resource Engineering and Environmental Science

### Graduate School of International Resource Sciences Doctoral Program

Department	Division
Department of Geosciences, Geotechnology, and Materials Engineering for Resources	Earth Resource Science
	Earth Resource Engineering and Environmental Science

## 2. Outline of Departments (as of April 2020)

### Department of Earth Resource Science

This department educates students in specialist areas ranging from the genesis of minerals, rocks, and geological structures to resource exploration and evaluation technologies with emphasis placed on the mechanisms and environments of the generation of mineral and energy resources. Our aim is to produce professionals with new specialist knowledge and skills in resource science, as well as a broad knowledge of earth sciences, in order to meet societal needs.

#### Content of Education and Research Areas, Faculty Member in Charge and Subject Title

Division	Education and Research Areas		Faculty Member	Subject Title
	Field	Content		
Earth Resource Science	Paleoenvironmental geology	Stratigraphy, paleontology, sedimentology, paleoceanography and historical geology as a basis for the exploration of petroleum, coal, natural gas, and other energy resources	Associate Prof. Makoto Yamasaki	Applied Micropaleontology
			Associate Prof. Stephen P. Obrochta	Data Analysis for Paleoenvironmental Reconstruction
	Economic geology	Broad review and analysis of the economic geology profession, including its societal context, the relevant metallogenic science, and the fundamentals and practice of mineral exploration.	Prof. Andrea Agangi	Economic geology applicable to both industry and academia
			Associate Prof. Ryohei Takahashi	Mineral resources and their exploration and assessment
	Petrology	Geological and petrological analysis on various volcanic phenomena including eruptions, collapse, lahar, fluid-magma interaction, magmatic differentiation, and so on	Prof. Tsukasa Ohba	Volcanic Geology Advanced Petrology
	Structural geology	Dynamic process and motion of earth's crust and upper mantle, and brittle and ductile deformation structures developed in rocks and minerals	Lecturer Osamu Nishikawa	Advanced Structural Geology
	Mineralogy	Wide scope of mineralogy, including crystallography, chemistry, mineral-forming conditions, and application to metallic and non-metallic ore deposition	Prof. Yasushi Watanabe	Resource Mineralogy
			Associate Prof. Takuya Echigo	Advanced Mineralogy
Sedimentology and petroleum geology	Formation of petroleum, natural gas, and unconventional energy grounded in basic knowledge of stratigraphy, structural geology, geochemistry, and paleoenvironmentology, as well as exploration methods for these energies	Prof. Hiroyuki Arato <sup>②</sup>	Advanced Petroleum Geology	
		Associate Prof. Shun Chiyonobu	Advanced Petroleum Exploration	
Applied geophysics	Theory, experiments, measurement, analysis, and interpretation in relation to the use of geophysical data such as seismic waves and electromagnetism in geophysical surveys		Advanced Applied Geophysics I	
			Advanced Applied Geophysics II	

② : This professor will retire in March 2022 in accordance with the mandatory retirement regulation.

### Department of Earth Resource Engineering and Environmental Science

Through advanced specialist education and research on aspects from resource exploration, development and production of a diverse range of natural resources, including petroleum, natural gas, ores and geothermal energy, through to the theory of and latest technologies in the fields of



environmental protection including recycling and refining technologies and wastewater treatment, resource environments and material cycles, and resource economics, the aim of this department is to produce engineers who will approach next-generation resource development from an holistic perspective. We seek to produce global professionals with the latest specialist skills and a broad-ranging knowledge of resource development and environmental science in order to meet society's needs.

To realize the above education and research objectives, one large division has been created for this department.

Division	Education and Research Areas		Faculty Member	Subject Title
	Field	Content		
Earth Resource Engineering and Environmental Science	Circulation of resource-environment substances	Mineral resources, geothermal resources, water resources, natural disasters, environmental protection, and resource use based on the characteristics of water, gas, and magma and the movement and circulation of these through the surface and interior of the Earth	Prof. Daizo Ishiyama ㉔	Advanced Geochemistry I
			Associate Prof. Yasumasa Ogawa	Advanced Geochemistry II
	Rock engineering	Basics and application of rock engineering in resource development and crust development	Prof. Tadao Imai	Advanced Rock Engineering I
			Associate Prof. Akihisa Kizaki	Advanced Rock Engineering II
	Mining Technologies	Application through an interdisciplinary approach, such as an ICT, Soft-computing and Robotics to create new mining technologies	Prof. Youhei Kawamura	Mine Geotechnical Engineering
	Energy resource engineering	Theoretical and applied studies on the development of subterranean water and energy resources such as petroleum, natural gas, and geothermal energy	Prof. Hikari Fujii	Petroleum Reservoir Engineering
			Prof. Shigemi Naganawa	Drilling Engineering
	Mineral and resource processing	Mineral processing and separation engineering, and development of recycling technologies for secondary resources and wastewater treatment for environment	Prof. Atsushi Shibayama	Mineral Processing
			Associate Prof. Kazutoshi Haga	Separation Engineering
Resource recycling process engineering	Smelting and refining principles in material manufacturing processes and the theory and practice of effective use of by-products from material manufacturing	Associate Prof. Yasushi Takasaki	Advanced Resource Recycling and Refining Advanced Material Production Engineering	
Mineral economics	Modelling and evaluation of issue relating to sustainable resource supply and consumption, recycling and environmental impact using methods from economics, financial engineering and systems engineering	Prof. Tsuyoshi Adachi	Advanced Mineral Economics	
Resource Management	Cultural anthropology, social ecology, and area studies as a basis for integrated resource management and community development at local and regional levels with a particular focus on indigenous knowledge and participatory approach	Prof. Hiroshi Nawata	Resource Management	

㉔ : This professor will retire in March 2022 in accordance with the mandatory retirement regulation.

## Content of Education and Research Areas, Faculty Member in Charge and Subject Title

### 3. Completion Requirements and Degree Awarded

A Master's Degree either in Resource Science or Science is awarded to students majoring in Earth Resource Science, and in either Resource Science or Engineering to students majoring in Earth Resource Engineering and Environmental Science, who have satisfied the following requirements: at least two years' enrollment in the Master's Program; acquisition of a minimum of 30 course credits as stipulated in the chart below; qualification of an acceptable Master's thesis; and passing the final comprehensive examination.

Students who demonstrate exceptional achievement may receive the degree with a residence period of enrollment as short as 1 year.

### Credits Required for the Completion of the Master's Program

Courses	Credits Required	Remarks
Specialized Subjects	A minimum of 14 credits (elective)	A minimum of 10 credits in the major and a minimum of 4 credits from the major and/or other majors combined
Common Subjects	4 credits (elective)	
Intensive Training (specialized subjects)	2 credits (required)	
Research Project	10 credits (required)	
Total	A minimum of 30 credits	

**Master's Program**  
 2020 October (Fall) Admission  
 Graduate School of International Resource Sciences, Akita University  
**Application for Admission**

<b>Classification</b>	I ( Document screening ) ・ II ( Oral examination )		
<b>Application No.</b>	※		
<b>Name of Applicant</b>			
<b>Date of Birth</b>	_____ / _____ / _____ <small>month                      day                      year</small>	<b>Sex</b>	Male / Female
<b>Application Qualification</b>	<input type="checkbox"/> From overseas partner university recommendation		
<b>Desired Department</b>			
<b>Desired Division</b>			
<b>Desired Supervisor</b>			
<b>Contact Address</b>	Address: _____  Tel: _____ Mail address: _____ postal code _____ country _____		

Note:

1. ※ Official use only.
2. Please use BLOCK LETTERS and BLACK INK
3. Please read the Admission Guidelines carefully and enter all the information requested.
4. Contact Address is where applicant wishes to receive correspondence.  
Any changes must be reported immediately.

# Curriculum Vitae

## Educational Background

School Name	Required Number of Years Schooling you have attended	Year and Month of Entrance and Completion (YYYY / MM)	Diploma or Degree Awarded
Elementary Education / Elementary School	Years	From  To	
Secondary Education / Lower Secondary School	Years	From  To	
Secondary Education / Upper Secondary School	Years	From  To	
Higher Education / Undergraduate level	Years	From  To	
	Years	From  To	
	Years	From  To	
	Years	From  To	

\* Be sure to include technical schools or language schools attended.

## Employment Record

Employer	Position	Period of employment (YYYY / MM)
		From                      to
		From                      to
		From                      to
		From                      to

## Qualifications and Licenses

	Date
	Date
	Date

## Achievements

	Date
	Date

Master's Program  
2020 October (Fall) Admission  
Graduate School of International Resource Sciences  
Akita University

## Photo ID Card

Classification	I (Document screening) · II (Oral examination)
Application No.	※
Name	
Desired Department	
Desired Supervisor	
<div style="border: 1px dashed black; padding: 10px; width: fit-content; margin: 0 auto;"><p>Please paste ID photo. (4.5cm x 3.5cm) Upper frontal view of applicant without a hat.</p></div>	

Note:

1. ※ Official Use Only
2. Photo must be taken within 3 months prior to application.

Date: \_\_\_\_\_  
month                      day                      year

## Pre-evaluation Request for Application Qualification 2020 October (Fall) Admission

To the Dean  
of the Graduate School of International Resource Sciences, Akita University

Name of Applicant: \_\_\_\_\_

Date of Birth: \_\_\_\_\_  
month                      day                      year

I intend to apply for the Master's Program offered by Akita University, Graduate School of International Resource Sciences. I hereby request for the pre-evaluation based on the documents attached.

Desired Department : \_\_\_\_\_

Please mail the pre-evaluation result to:

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel. Number: \_\_\_\_\_

Name: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Classification : I ( Document screening ) · II ( Oral examination )

# Curriculum Vitae

## Educational Background

School Name	Required Number of Years Schooling you have attended	Year and Month of Entrance and Completion (YYYY / MM)	Diploma or Degree Awarded
Elementary Education / Elementary School	Years	From  To	
Secondary Education / Lower Secondary School	Years	From  To	
Secondary Education / Upper Secondary School	Years	From  To	
Higher Education / Undergraduate level	Years	From  To	
	Years	From  To	
	Years	From  To	
	Years	From  To	

\* Be sure to include technical schools or language schools attended.

## Employment Record

Employer	Position	Period of employment (YYYY / MM)
		From                      to
		From                      to
		From                      to
		From                      to

## Qualifications and Licenses

	Date
	Date
	Date

## Achievements

	Date
	Date

# Proof of Evaluation Fee Payment Form

Application Number: ※

Applicant's Name:

Desired Graduate School:

Desired Department:

Please paste  
Proof of Payment for Evaluation Fee

Note: 1. ※ Official Use Only  
2. Please make sure the Proof of Payment is securely pasted and the date of payment is visible.