CONTENTS

MODERN JAPANESE STUDIES PROGRAM ................................................................. P34
INTEGRATED SCIENCE PROGRAM ...................................................................... P56
e-ENGLISH ENGINEERING PROGRAM ............................................................... P78
GLOBAL EDUCATION PROGRAM FOR AGRI-SCIENCE FRONTIERS .................... P910
INTERNATIONAL COURSE IN GRADUATE SCHOOL OF SCIENCE ....................... P1112
TRAINING PROGRAM FOR GLOBAL INNOVATORS IN LIFE SCIENCES ............ P1314
INTERNATIONAL PROGRAM OF PH.D. DEGREE ADVANCED GRADUATE SCHOOL OF CHEMISTRY AND MATERIALS SCIENCE ........................................... P1516
SPECIAL TRAINING PROGRAM FOR FOSTERING GLOBAL SCIENTISTS TO EXPAND THE NETWORK OF VETERINARY SCIENCE CONTRIBUTING TO ONE-HEALTH ........................................ P1718
GLOBAL ENVIRONMENTAL MANAGEMENT / ENGLISH PROGRAM OF ENVIRONMENTAL EARTH SCIENCE FOR SUSTAINABLE SOCIETY ................................................ P1920
LIVE IN HOKKAIDO Study in English!
The Modern Japanese Studies Program (MJSP) is a four-year bachelor's degree program, preceded by a six-month intensive Japanese Course for those without sufficient Japanese to enter the bachelor's degree program directly. MJSP gives a comprehensive education in the language and society of Japan. The program has four main characteristics: 1) Intensive study of the Japanese language — you should be completely fluent on graduation; 2) The study of Japan in four main academic disciplines — history, cultural studies, sociology and political economy; 3) Co-learning with Japanese students — you will take many classes with your Japanese peers; and 4) A flexible curriculum that allows you to discover your Japan from the unique and multicultural vantage point of Japan’s northernmost island.

In the 21st Century, Asia will increasingly take center stage in global affairs. Your bilingual and multicultural education on MJSP provides the skills for various career paths in the Asian century.
The Integrated Science Program is a cross-disciplinary educational science program for international students interested in pursuing a degree in the natural sciences. The program’s strong cross-disciplinary nature aims to give students an excellent broad scientific education across the core scientific disciplines (physics, chemistry and biology) in the School of Science, while allowing them to specialize in their chosen fields in later years in accordance with their own interests. While students’ main scientific studies are entirely in English, a multitude of additional courses such as business skills courses or leadership and management skills courses will be available in the liberal arts and Japanese language to ensure students receive a rich and fulfilling education while at Hokkaido University.

Key Characteristics:
1) Study at one of Japan’s oldest and most prestigious universities
2) Courses taught by a diverse international faculty in English
3) A range of scholarships available

ISP AT A GLANCE

DEGREE TITLE:
Bachelor’s Degree (Science)
Master’s Degree (Depends on your study field)

PROGRAM LENGTH:
4 years (Bachelor’s) / 2 years (Master’s)
*We offer the opportunity to graduate earlier with Hokkaido University’s advanced graduation initiative. For further details, please visit our website.

ENTRY REQUIREMENTS:
As of the application for October 2020 enrollment
- Those who have Japanese citizenship or Japanese permanent resident status or national faculty for entry into the Japanese education system.
- Meet the minimum English language proficiency requirements. Options include: TOEFL (official test score: 80 or higher), IELTS (official test score: 6.5 or higher), JLPT (N1), Eiken (official test score: 500 or higher), or other similar tests.
- The Master’s degree will include active research components, where the students will be affiliated with one of the university’s prestigious graduate schools to learn the techniques and skills to flourish as researchers in, or out of academia.
*Japanese ability is not required for entry.

FOR FURTHER DETAILS, VISIT: https://www.oia.hokudai.ac.jp/islp/

FACULTY

A warm welcome to the ISP! We are proud to introduce you to our program that welcomes international students to Sapporo to join our various science programs at Hokkaido University. We hope you will join us and gain some great experiences, as our diverse international faculty guide you on your journey into becoming professional scientists. Students can look forward to interactive lectures and seminars, independent laboratory projects, and gain experience with computational scientific methods. Despite the rigorous amount of snow, Hokkaido University offers a warm and welcoming environment to those from all backgrounds, and we strive to give students a fulfilling and thoroughly enjoyable experience.

RADOVAN KOSTADINOV (North Macedonia)

When I was twelve, I became fascinated with nature from the Internet, as well as Japanese culture from anime and origami. With these two factors in mind, I chose to study Biology in Hokkaido University’s ISP program. It gave me the opportunity to study the natural sciences in English while immersing myself in Japan’s rich culture and its language. After my bachelor’s, my goals are to pursue a master’s degree at Hokkaido University in Environmental Biology in order to protect our planet from pollution and to become fluent in Japanese. I recommend anyone who has a passion for science and Japanese culture to come and study at ISP.

SCHOLARSHIPS/SUPPORT

<table>
<thead>
<tr>
<th>Degree</th>
<th>Application Fee</th>
<th>Enrollment Fee</th>
<th>Tuition</th>
<th>Scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ISP Fully Supported Students</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor</td>
<td>¥170,000</td>
<td>¥282,000</td>
<td>Waiver × 3.5years</td>
<td>¥50,000/month × 3.5years</td>
</tr>
<tr>
<td>Master</td>
<td>¥170,000</td>
<td>¥282,000</td>
<td>Waiver × 2years</td>
<td>¥50,000/month × 2years</td>
</tr>
<tr>
<td><strong>ISP Partially Supported Students</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor</td>
<td>¥120,000</td>
<td>¥282,000</td>
<td>Waiver × 1year</td>
<td>¥50,000/month × 1year</td>
</tr>
<tr>
<td>Master</td>
<td>¥120,000</td>
<td>¥282,000</td>
<td>Waiver × 1year</td>
<td>¥50,000/month × 1year</td>
</tr>
<tr>
<td><strong>Regular Students</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor</td>
<td>¥170,000</td>
<td>¥282,000</td>
<td>¥33,800/year</td>
<td>None</td>
</tr>
<tr>
<td>Master</td>
<td>¥170,000</td>
<td>¥282,000</td>
<td>¥33,800/year</td>
<td>None</td>
</tr>
</tbody>
</table>

*As of January 2020
This is subject to change. This information is applicable to those who enter ISP in October 2020.

CONTACT US

Integrated Science Program Office
+81 (0)11-805-4946
https://www.oia.hokudai.ac.jp/islp/
Hokkaido University’s Integrated Science Program
@ISP_Hokudai
e³ ENGLISH ENGINEERING PROGRAM

250 courses offered in English!

Application steps

1. Select a research field and laboratory
2. Prepare research proposal and other qualification documents
3. Documents screening and online interview with potential supervisor
4. Post original documents to e-office

Students who fulfill all the requirements and show high academic achievements, including higher than average GPA, may be accepted based on documents screening and an online interview with the supervisor.

MASTER’S

The typical time required to complete this degree is 2 years.

ENTRY REQUIREMENTS:
- In order to obtain entry into the Master’s Program you MUST:
  - Hold a four-year Bachelor’s Degree
  - Have good academic performance (e.g. 80%, or 3.0 on a 4-point GPA Scale)
  - Have English proficiency equivalent to IELTS academic 6.0, TOEFL iBT 79 or TOEIC 680

COMPLETION REQUIREMENTS:
- In order to obtain this degree, you MUST:
  - Obtain credits from the English Curriculum
  - Be supervised in English
  - Submit a thesis in English
  - Satisfy the requirements on conference presentations and other publications set up by your division

*Your grade is below the minimum requirement you may need to take the entrance exam on campus.

For the detailed information on admission, please check program’s web page https://www.eng.hokudai.ac.jp/e3/

DOCTORATE

The typical time required to complete this degree is 3 years.

ENTRY REQUIREMENTS:
- In order to obtain entry into the Doctoral Program you MUST:
  - Hold a four-year Bachelor’s Degree and a Master’s Degree
  - Have good academic performance (e.g. 80%, or 3.0 on a 4-point GPA Scale)
  - Have English proficiency equivalent to IELTS academic 6.0, TOEFL iBT 79 or TOEIC 680

COMPLETION REQUIREMENTS:
- In order to obtain this degree, you MUST:
  - Obtain 70 credits from the English Curriculum
  - Be supervised in English
  - Submit a thesis in English
  - Satisfy all publication requirements set out by the division.

Hokkaido University’s e³ English Engineering Education Program is one of only a few programs offered in Japan that covers almost all fields in Engineering. Whatever branch of engineering you are interested in studying, you will find an engineering course at Hokkaido University that meets your needs. In our Program, you will be studying engineering at one of Japan’s most prestigious universities in an atmosphere where knowledge, research, and expertise is shared; where learning and intellectual growth are stimulated and cherished. If you’re looking to share in the advanced knowledge in the field of Engineering that Japan is renowned for, in a multi-cultural environment where English is the main language, the e³ program is for you.

Our School of Engineering is Hokkaido University’s largest, with around 2,200 undergraduate students and 1,000 graduate students including a large proportion from overseas.

COURSE CONVENOR

TAICHIRO OKAZAKI
PROFESSOR, GRADuate SCHOOL OF ENGINEERING

ANASTASIA PAUKALVA (Russsia) 12th Doctoral Student in Architectural and Structural Design

Japanese government offers full support scholarships for outstanding students (including monthly allowance of JPY 145,000 for PhD or JPY 144,000 for Master’s program; recipients are exempted from tuition and admission fee). It accepts applicants through such frameworks as: University nomination (including Global Leadership Program, Top Global University Project slot), Foreign Study Coordinator slot (regents with coordinator’s office), Program for Indian railway professionals, Embassy nomination.

Support for privately funded students

MEXT honors scholarship (reservation slot)
Financial assistance of JPY 48,000/month (for a period of 6 or 12 months) is available for a number of newly enrolled Master’s and Doctoral students with good academic performance accepted directly into e³ program through the special selection.

Tuition fee waivers – a discount of 25, 50 or 100% can be granted to the applicants in need.

Study support for Doctoral Students – full tuition fee support through the combination of tuition fee waivers and employment as research assistant is available.

Grant for self-supported Doctoral students – a grant of JPY 100,000 upon enrollment (one-time payment) is offered.

Programs funded by Japanese International Cooperation Agency (JICA)
- Scholarships programs through JICA scholarship programs, including:
  - AUN/SEED-Net - for students from participating institutions in ASEAN countries.
  - ABE Initiative - for young African professionals/48 African countries.
  - Kiruna Program in Sustainable Resource Development (mining engineering)
  - Scholarship program of Development Initiative for Road Asset Management
  - JDS Program - for government officials from Philippines
  - M-JEED Program - for researchers and faculty members participating in institutions in Mongolia, IITM-Japan FRIENDSHIP Scholarships - for graduates from Indian Institute of Technology Hyderabad

CONTACT US

http://www.eng.hokudai.ac.jp/e3/
https://www.facebook.com/e3program/hokudai/

HOKKAIDO UNIVERSITY | 07
HOKKAIDO UNIVERSITY | 08

CHOOSE YOUR FIELD
- Applied Physics
- Materials Science and Engineering
- Mechanical and Space Engineering
- Human Mechanical Systems and Design
- Energy and Environmental Systems
- Quantum Science and Engineering
- Field Engineering for Environment
- Engineering and Policy for Sustainable Environment
- Architectural and Structural Design
- Human Environmental System
- Environmental Engineering
- Sustainable Resources Engineering
- Cooperative Program for Resource Engineering (Master’s course only)
The Graduate School of Agriculture aims to produce students who have both basic and specialized knowledge of agriculture by providing advanced, interdisciplinary, and comprehensive education and research opportunities that incorporate both the humanities and the sciences.

The Global Education Program for Agriscience Frontiers provides a unique combination of study fields such as food, health, and environmental studies. The course is designed to meet the urgent global needs concerning research and development into the preservation and sustainable utilization of our limited resources on earth. Of all the Faculties and Graduate Schools of Hokkaido University, the School of Agriculture is the oldest in the University’s history of more than 137 years. It was first established to assist in opening up the island of Hokkaido as a new frontier. Over the years it has become Japan’s leading university in agricultural sciences and has produced a plethora of eminent alumni.

GREETINGS FROM THE RESEARCH FACULTY OF AGRICULTURE

Our programs are unique in focusing on education and research in targeted areas of the Graduate School of Agriculture—food production, environmental conservation, and food science—in addition to life sciences.

We have expanded life science-centered programs two-fold to include field research activities and environmental disciplines, making our course one of the most exciting programs of its kind in Japan. Graduates of the program will have the good judgement needed to respond to the various issues facing all of humankind today, including stable food supplies, food safety, the preservation of the global environment, and bio-risks.

We welcome your application and look forward to seeing you on campus.

---

CONTACT US
https://lab.agr.hokkaido.ac.jp/en/spppg
kyomu@agr.hokkaido.ac.jp
+81-011-766-4119

---

TAKASHI HRANO
PROFESSOR
RESEARCH FACULTY OF AGRICULTURE

---

HESHAN KODITHUWAKU (Sri Lanka), current student of the Doctorate course, Graduate School of Agriculture.

---

I am researching on dairy calves nutrition. The knowledge, skills, technology, and guidance provided by the graduate school of agriculture have helped me to think differently and engage in research in a pleasant learning environment. Furthermore, the frequent exposure to international researchers at graduate school and my laboratory keep me updated with new research trends and create new networks. The dairy industry is still developing in my country. I am confident that at the end of my studies, I can bring back huge knowledge and skills to develop the dairy industry of my country.

---

SCHOLARSHIPS/SUPPORT

SCHOLARSHIPS

This Program will recommend 4 students for both the master’s and doctoral course as candidates for this scholarship. The scholarship will be awarded for 2 years for master’s and 3 years for doctoral. Apart from this scholarship, other Japanese Government Scholarships such as Embassy Recommendations are also available. For more details about this scholarship, please consult your local Japanese Embassy.

STUDENT SUPPORT

The staff at both the Graduate School of Agriculture as well as the Office of International Affairs will help you adapt to life in Japanese society, provide opportunities to deepen your intercultural understanding, and facilitate interaction with Japanese students. Things do not always go smoothly, but from the International Student Support Desk to the University’s bilingual counseling service, you will always be able to turn to someone for help.
The International Course in Graduate School of Science offers Master’s and PhD level degrees and certificates for foreign students who want to study science at Hokkaido University. The course consists of four majors, Mathematics, Condensed Matter Physics, Cosmosciences, and Natural History Sciences. The major of Natural History Sciences is further classified into two fields: Earth Sciences and Biodiversity and Organismal Evolution. You can undertake all your educational and research activities in English, yet interact closely with Japanese students.

Welcome to the International Course in Graduate School of Science. Under the guidance of our expert staff, you will gain new knowledge, find problems to solve, and enjoy using your imagination in scientific endeavors. The course also provides you with interdisciplinary learning opportunities by linking up with the Inter-Graduate School Classes provided by Hokkaido University. I encourage all of you to take advantage of the special resources that we can offer in order to engage in high-quality research and studies for science at Hokkaido University.

I am Emiyati from Indonesia, a Ph.D. student in the Faculty of Science, Division of Earth and Planetary Dynamics, in Physic Oceanography and Climate Group. I am so grateful to study at Hokkaido University, one of the best universities in Japan which have big and beautiful campus and known as a Winter Wonderland. Our lab provides complete facilities, super computers for data process and analysis, comfortable study room and good atmosphere which make us enjoyable to study and conduct the research. Supervised by professor who has extensive experience in research, publication and international collaboration, will provide me international level of science including training of thinking and analysis technique. Study at Faculty of Science, Hokkaido University make me learn a lot, not only in academic but also in social life and I believe it will be useful when I am back to my country.

SCHOLARSHIPS/SUPPORT

Japanese Government Funded
The Japanese Government provides a scholarship known as the Monbukagakusho MEXT Scholarship.

This is a scholarship system that the Ministry of Education, Culture, Sports, Science and Technology offers, and is divided into the following three systems:

1. Domestic selection
2. University recommendation
3. Embassy recommendation

Private Organization or Local Gov’t Funded
Scholarships from private organizations and local governments are applicable. You can either apply for these through Hokkaido University, or apply individually.

SUPPORT by DIAS
Office for International Academic Support in the faculty can answer your questions in English and support administrative matters including entrance-examination applications of the graduate school as well as the student life.

CHOOSE YOUR STUDY FIELD AND RESEARCH GROUP

Mathematics
- Analysis
- Applied Mathematics

Condensed Matter Physics
- Advanced NMR / Condensed Matter Theory / Nanosystem Photonics / Solid State Physics in High Magnetic Field / Muon Spin Resonance / Electron Spin Resonance

Cosmosciences
- Observational Astronomy / Theoretical Astrophysics / Theoretical Particle Physics / Theoretical Nuclear Physics / Planetary and Space Group / Astrochemical Chemistry
- Ice and Planetary Science: Phase Transition Dynamics / Information Media Science / Nuclear Reaction Data Science / Supernova Observation

Natural History Sciences
- Meteorology / Physical Oceanography and Climate / Space Geodesy / Seismology
- Paleontology / Palaeoecology / Geochemistry / Earth Materials Science / Earth System Evolution / Geotechnics
- Geomorphological Observation / Ocean Bottom Seismology and Tectonics / Volcanic Physics / Submarine Structure
- Animal Systematics / Algal and Protozoa Systematics / Ornithology and Avian Biology / Genetic Diversity
- Communication of Science and Technology / Philosophy of Science and Technology / Museum Education and Media Studies / Science Education
MASTER’S AND DOCTORAL PROGRAM FOR GLOBAL LEADERS IN LIFE SCIENCE

TRAINING PROGRAM FOR GLOBAL INNOVATORS IN LIFE SCIENCES

For detailed information of this program, please check the website: http://altair.sci.hokudai.ac.jp/grad/gpo/overview/

MOTIVATION
In these highly esteemed degree programs, students focus on advanced research areas in the field of Life Science with renowned academics at the forefront of their professions. Our courses have a creative curriculum where students encounter a variety of teaching staff coming from a wide range of research backgrounds in the field of life sciences. Recently in Life Sciences, convergence of different fields of science is advancing in the existing interdisciplinary field. Responding to these emerging trends, our teaching staff cover a wide range of research areas from basic biology through chemistry, physics, mathematics, medicine, and pharmacy. Based on the purpose of building up a world-renowned research center for life sciences, this program is designed for both international students who wish to major in life sciences and have a wide research background, and Japanese students with a global perspective, who are eager to study in an international environment.

WELCOME MESSAGE
Welcome to the “Training Program for Global Innovators in Life Sciences.” This program aims to build and train world-class leaders in life sciences that can work at companies and institutes throughout the world. In this course, students are encouraged to plan and carry out international meetings to improve their ability to use English as an international communication tool and also attend international conferences to develop presentation skills.

We also require students to make proposals for competitive research funds and its implementation and submit papers to international journals. This enables them to gain practical experience and be at the forefront of their research activities.

We welcome you to apply to this amazing program, and look forward to seeing you on campus.

ABU BIN HSAN (Bangladesh)
Training Program for Global Leaders in Life Sciences 3rd year doctoral student, Graduate School of Life Science

I feel really fortunate to get the opportunity to study in the Life Science Course at Hokkaido University, one of the top-ranking universities in Japan. Hokkaido is a great place to live and study where you can learn about culture and participate in the development of material science based on physics and chemistry. I feel really privileged to experience pioneering research activity in the life sciences for bio-medical application.

This is certainly a university with high level research with a congenial working environment where you can utilize state of the art modern technologies to research demanding topics. I have lots more things I want to do here. But makes me want to try my best and enjoy everything.

I want to use my knowledge and experience for the sake of humanity and work in science to search for creative ideas and solutions. My dream is to create something that will amaze the world!!

SCHOLARSHIPS/SUPPORT

Since each scholarship has different application procedures and eligibility requirements, please contact a prospective supervisor in advance of application.

JAPANESE GOVERNMENT (MEJ) SCHOLARSHIP
University recommendations (JGP special quota, 8 students who enroll in October only) / university recommendations (general quota) / embassy recommendations are available.

SCHOLARSHIPS FOR SELF SUPPORTED STUDENTS
Reservation Program for Mombukagakusho Honors Scholarship for Privately Funded International Students by Pre-arrival Admission: a few students for master’s and doctoral students for 6 months or 12 months.

TRAVEL SUPPORT
Faculty of Advanced Life Science supports program students who go abroad for internships or conferences/workshop to attend or make a presentation.

STUDENT SUPPORT
Staff at laboratories, IGP office, and Graduate School of Life Science will be here to help you. Information from IGP is both in Japanese and English.

CONTACT US
http://altair.sci.hokudai.ac.jp/grad/gpo/overview.html

HOKKAIDO UNIVERSITY | 13

HOKKAIDO UNIVERSITY | 14
Chemistry is playing a major role in innovations of materials science addressing both academic and social issues that traverse and encompass the main fields of science and technology. To achieve the innovations that are demanded by the 21st century society in future materials, energy, medicine, welfare, and so on, education of talented young students in chemistry is paramount. The international educational program "Advanced Graduate School of Chemistry and Materials Science (AGS)" of the Graduate School of Chemical Sciences and Engineering, enrolls a limited number of elite students each year. The AGS program includes all major fields in chemistry and materials science, including recent advances in organic chemistry, physical chemistry, inorganic chemistry, organometallic chemistry, polymer chemistry, catalysis, materials chemistry, biochemistry, and chemical engineering.

In our program, students are educated by a total of 130 researchers from a vast range of research fields including quantum chemistry, organic chemistry, catalytic chemistry, materials chemistry, biogical chemistry and many more. We are a very unique graduate school in that we specialize in chemistry. This program was started to foster chemistry researchers who can take active roles globally in the future. Every year, we recruit talented students from all over the world and foster them as independent researchers, providing a solid education in chemistry in an atmosphere of friendly competition. Financial support is also provided as is the opportunity to partake in Summer School (see below), travel to international conferences, and join international internship programs. The course even is a mix of Japanese and international students giving it a truly international flavor! We welcome you to apply.

Dai-Hua Jiang (Taiwan), AGS. Doctoral graduate (Double Degree Program with National Taiwan University & Hokkaido University, Graduate School of Chemical Sciences and Engineering)

At the brief but comprehensive Advanced Graduate School of Chemistry and Materials Science (AGS), it has not only lots of forward-thinking professors but also excellent experimental instruments, which can quickly help students build research perspectives and also improve basic research knowledge. Besides, AGS is an international department. It has so many outstanding students from all over the world. Therefore, we can hear perspectives and novel ideas from each other, and do brain-storming together to establish our understanding on our own investigations. The learning environment is really good. Students are very self-disciplined and follow the rules. They work very hard, which I really learn a lot from, and professors are very knowledgeable and willing to teach their students without reservation.

Studying in Hokkaido has been my best choice in my life, and really fall in love with such a beautiful and modern city. Here, you can easily learn about Japanese culture and group dynamics, which is fantastic opportunity to experiment with a different way of life. If you are eager to learn and want to broaden your horizons, then joining us will be your good option.

Kei Murakoshi
AGS, Graduate School of Chemical Sciences and Engineering

Summer School

Each year we hold a Summer School at Jozankei Onsen (Hot Springs) which is organized by students on the Program. During the course of this event, all students present their research in English and lectures are delivered by invited researchers not only from Japan but from all over the world. Sport and recreational activities such as enjoying the best of nature in Hokkaido are also a big part of the excursion. This is a very rewarding event which allows intercultural exchange between Japanese students and international students over two days.

Scholarships/Support

Selected students will be provided with financial support in the form of a scholarship which covers the examination fee, entrance fee, tuition fees, and living costs. For more information, please visit the website.

Contact Us

http://www.eng.00kudai.ac.jp/ags/

ags@eng.00kudai.ac.jp
+81-(0)11-766-8110
ADMISSION AND COMPLETION REQUIREMENTS

ADMISSION REQUIREMENTS:
In order to obtain entry into the doctoral program you MUST:
- be a non-Japanese citizen residing outside of Japan.
- not be more than 35 years of age on April 1 of the previous year you wish to apply to be eligible for the MEXT scholarship.
- be one of the below:
  1. Graduate of a School of Veterinary Medicine with a five-year or more course
  2. Graduate of a School of Medicine, Dentistry or Pharmaceutical Sciences with a five-year or more course
  3. Graduates of a Graduate School's Master's course (Obtaining Master's degree is generally required)
- Applicants who fall into the above conditions of requirements
- Professional experience of at least 5 years after graduation in the field.

If you are unable to fulfill the above-mentioned criteria, you must have the evaluation for your ability and knowledge by the graduate school prior to submission of application.
- be certified as both physically and mentally fit by a qualified and recognized physician with documented certification
- be fluent in English

COMPLETION REQUIREMENTS:
In order to obtain this degree you MUST:
- Complete 38 credits: 23 in the required bracket and 15 in the elective bracket of Graduate School of Veterinary Medicine.
- Complete 38 credits: 18 in the required bracket and 10 in the required elective bracket of Graduate School of Infectious Diseases.
- Complete a thesis based on your own research results conducted during the course and submit this thesis to multiple examiners (1 principal and 3 or more adjunct referees).
- Complete your thesis within 4 years

Submission of a doctoral thesis is allowed only after you have published 2 scientific papers as a first author in peer-reviewed international scientific journals within defined fields of interests.

DEPARTMENTS AND LABORATORIES

- Graduate School of Veterinary Medicine
  Department of Basic Veterinary Sciences: Laboratory of Anatomy / Laboratory of Physiology / Laboratory of Biochemistry / Laboratory of Pharmacology
  Department of Clinical Veterinary Sciences: Laboratory of Surgery / Laboratory of Pathology / Laboratory of Medical Science and Medecine
  Department of Environmental Veterinary Sciences: Laboratory of Toxicology / Laboratory of Wildlife Biology and Medicine

- Department of Clinical Sciences: Laboratory of Veterinary Internal Medicine / Laboratory of Veterinary Surgery / Laboratory of Comparative Pathology / Laboratory of Theriogenology / Laboratory of Molecular Medicine / Laboratory of Advanced Veterinary Medicine

- Graduate School of Infectious Diseases

- Department of Disease Control: Laboratory of Microbiology / Laboratory of Infectious Diseases / Laboratory of Parasitology
  Department of Preventive Veterinary Medicine: Laboratory of Public Health / Laboratory of Veterinary Hygiene

- Research Center for Zoonosis Control: Division of Global Epidemiology / Division of Molecular Pathology / Division of Bovine streamed division of Infection and Immunity / Unit of Risk Analysis and Management / Laboratory for Biomarker Development

- Faculty of Medicine: Laboratory of Microbiology and Infectious Diseases

On this program, Hokkaido University's Graduate School of Veterinary Medicine and Graduate School of Infectious Diseases (both established in April 2017) offer a curriculum encompassing two expert training courses (i.e., the Special Course for Zoonosis Control Experts and the Special Course for Chemical Hazard Control Experts) in their areas of excellence. The aim is to nurture researchers in veterinary science with broad outlooks and extensive knowledge and skills both in their own fields of expertise and elsewhere. Leveraging the global networks developed by the faculties of the two schools, the program is also designed to foster the development of international research leaders capable of contributing to the One Health Initiative by helping students gain practical experience outside Japan via overseas field studies, internships, joint research with overseas institutions and other programs.

Welcome to our unique program! Our faculty and graduate school jointly conduct educational programs and research projects with foreign universities, and we are engaged in a diverse range of research activities in the utilization of our knowledge in veterinary science. Since we started offering this program, we have been collaborating with more than 50 countries around the world. The Graduate School of Infectious Diseases provides graduate education aimed at producing experts who can combat infectious diseases. Education and research supervision are provided by researchers of the academic staff of the Research Center for Zoonosis Control who are specialists in veterinary medicine, medicine, pharmacological science, natural science and information science, as well as teaching staff of infectious diseases related laboratories at the Faculty of Veterinary Medicine and the Faculty of Medicine.

KIE N TRUNG LE (Vietnam) 2nd year doctoral student, Graduate School of Infectious Diseases

The Special Training Program provides me an invaluable opportunity to promote my scientific competitiveness. In Vietnam where I am from, there have been several issues of animal health (e.g., avian influenza, foot and mouth disease, antimicrobial resistance) that always need to address. Fortunately, I found that the Special Training Program best suits my desire because I can connect my field experience with scientific base for tackling these current issues. The program creates an international and interdisciplinary environment in which I am able to interact with experts, scholars from various fields and different countries. Remarkably, the program provides a unique policy for promoting international collaboration through Financial Support of internships abroad, practical field study and practical training to acquire real-life experience, which are major career paths in an international context. Not to mention that it does the scientific life fascinating, but the unique Japanese culture also expands my interest. These features have led to my decision to pursue doctoral study in Japan for 4 years. I would strongly recommend this program especially to young researchers who would like to make a development in their countries and be the next Global Leaders in Veterinary Science.

"Special Training Program for Fostering Global Scientists to Expand the Network of Veterinary Science for Contributing to One Health" will be offered by March 2020.

SCHOLARSHIPS/SUPPORT

JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP:
This program will recommend students to MEXT for this doctoral course as candidates for this scholarship. A monthly allowance of ¥145,000 for 4 years is available with no extension possible (calculation based on 2019 rates).

Apart from this scholarship, other Japanese Government Scholarships such as Embassy recommendations are also available. For more details about this scholarship, please consult your local Japanese Embassy.

THE WORLD LEADING INNOVATIVE AND SMART EDUCATION (WISE) PROGRAM SCHOLARSHIP:
This program will recommend students to WISE for this doctoral course as candidates for this scholarship. A monthly allowance of ¥145,000 for 4 years is available with no extension possible (calculation based on 2019 rates).

CONTACT US
https://www.vetmed.hokudai.ac.jp/en/about/ppg/
kymu@vetmed.hokudai.ac.jp
(+81) 011-776-3173

65 credits offered in English
1. COURSE IN GLOBAL ENVIRONMENTAL MANAGEMENT (GEM)

2. ENGLISH PROGRAM OF ENVIRONMENTAL EARTH SCIENCE FOR SUSTAINABLE SOCIETY (EPEES)

CURRICULUM

1) Core Subjects
   - Fundamental Course in Environmental Science (2 credits)
   - Introduction to Environmental Science (2 credits)
   - Introduction to Global Environmental Management (2 credits)

2) Special Subjects
   - Fundamental Course in Atmosphere-Ocean Physics (2 credits)
   - Fundamental Course in Biological Diversity (2 credits)
   - Fundamental Course in Molecular Biology (2 credits)
   - Fundamental Course in Materials Science I, II, III (2 credits each)
   - Fundamental Course in Environmental Science Research (3 credits)
   - Introduction to Natural Environmental Studies (2 credits)
   - Introduction to Environmental Analysis (2 credits)
   - Advanced Course in Environmental Pollution Control (2 credits)
   - Advanced Course in Geoeconomic Resources (2 credits)
   - Advanced Course in Climate Change Impacts (2 credits)
   - Advanced Course in Hydrological Cycle (2 credits)
   - Advanced Course in Environmental Geoinformatics (2 credits)
   - Advanced Course in Water Resources (2 credits)
   - Advanced Course in Watershed Environmental Science (2 credits)
   - Advanced Course in Environmental Conservation (2 credits)
   - Advanced Course in Environmental Adaptability (2 credits)
   - Advanced Course in International Science Communication Methods (2 credits)
   - Advanced Course in Academic English Writing for Environmental Sciences (2 credits)
   - Advanced Course in Paleogeography and Biomarker Geochemistry (2 credits)
   - Advanced Course in Tropospheric Chemistry (2 credits)
   - Advanced Course in Terrestrial Geochemical Cycle (2 credits)
   - Advanced Course in Ocean Biogeochemistry (2 credits)
   - Advanced Course in Environmental Analytical Chemistry (2 credits)
   - Advanced Course in Theoretical Geology (2 credits)
   - Advanced Course in Molecular Photons and Electromagnetic Science (2 credits)
   - Advanced Course in Environmental Catalytic Chemistry (2 credits)

3) Work and Seminar
   - Laboratory Work in Environmental Analysis (2 credits)
   - Laboratory Work in Environmental Materials Science (4 credits)
   - International Laboratory Work for Biogeochemistry (4 credits)
   - Study on Fostering Leaders for Environmental Conservation (4 credits)
   - EPEES Program Seminar I/ Seminar Environmental Science I Development
   - Seminar in Environmental Science I Development
   - Seminar in Environmental Science II Development
   - Seminar in Environmental Science III Development

SCHOLARSHIPS/SUPPORT

Since each scholarship has different application procedures and eligibility, please contact a prospective supervisor or advisor in advance of your application.

Scholarships through the Graduate School of Environmental Science: Moribayashi-Kohshi Hiroshi Scholarship for Privateyly Financed International Students (Monthly stipend of ¥46,000 for 6 to 12 months after arriving in Japan) *Can be issued with the Hokkaido University English Program Support Grant, Japanese Government Scholarship (University recommendation). Reference: Ministry of Education, Culture, Sports, Science & Technology in Japan (MEXT) http://www.mext.go.jp/english/

Scholarships which you can apply in your country: Japanese government scholarships (Embassy recommendation) can be applied through your home embassy. The deadlines and methods of application differ in each country. Please consult your local Japanese embassy.

STUDENT SUPPORT:

The staff at both the Graduate School of Environmental Science as well as the Student Exchange Division will help you adapt to life in Japanese society, provide opportunities to deepen your intercultural understanding, and facilitate interaction with Japanese students. Things do not always go smoothly, but from the International Student Support Desk to the University’s bilingual counseling service, you will always be able to turn to someone for help.

OUR ‘COURSE IN GLOBAL ENVIRONMENTAL MANAGEMENT’ (GEM) IS TAUGHT ENTIRELY IN ENGLISH AND AIDS TO FOSTER PROFESSIONALS WHO CAN GENUINELY CONTRIBUTE TO SOLVING THE WORLD’S ENVIRONMENTAL PROBLEMS. BRINGING BOTH INTERNATIONAL STUDENTS AS WELL AS JAPANESE STUDENTS TOGETHER, THE COURSE COVERS A LARGE RANGE OF FIELDS SUCH AS RESOURCE MANAGEMENT, ENVIRONMENTAL EDUCATION, AND HUMAN CAPACITY BUILDING. THE COURSE BY NATURE IS VERY FLEXIBLE IN THE SENSE STUDENTS ARE WELCOME TO ENTER THE DEGREE PROGRAM AND SUBSEQUENTLY DECIDE THEIR SPECIALTY AND SUPERVISOR AFTER ENROLLMENT.

OFFERED FROM APRIL 2014, OUR BRAND NEW ENGLISH PROGRAM OF ENVIRONMENTAL EARTH SCIENCE FOR SUSTAINABLE SOCIETY (EPEES) IS A COURSE IN WHICH STUDENTS CAN CHOOSE FROM AN EXTREMELY COMPREHENSIVE LIST OF STUDY AREAS AND ANY FACULTY MEMBER FROM OUR GRADUATE SCHOOL CAN ACT AS A SUPERVISOR. THE COURSE TARGETS INTERNATIONAL STUDENTS FROM ANY BACKGROUND, REGION AND STUDY FIELD. STUDENTS MUST SHOW A GENUINE INTEREST IN ENVIRONMENTAL ISSUES.

Welcome our master’s and doctoral programs in the Faculty of Environmental Science. Our objective is to offer research, education, and comprehensive practical training to foster a new type of professional who can lead the world in their respective fields and improve our environment and society. We admit students with strong academic backgrounds in any study fields who are interested in the global environment and who show strong determination to solve environmental problems. If you wish to study with us solely in English, we strongly recommend the first two programs offered below as an introduction to the master’s and doctoral levels. We encourage you to apply to our highly-collaborative courses that will challenge you to think about our natural environment in new and innovative ways. We look forward to seeing you at Hokkaido University.

MST. KANIZ FATIMA BINTE HOSSAIN (Bangladesh) 3rd year Doctoral Student, Graduate School of Environmental Science

TATSUFUMI OKINO
Professor, Graduate School of Environmental Science