The Creative City of Kanazawa — A Tapestry of Traditional and Cutting-Edge Culture and Art

Kanazawa University is located in Kanazawa City, Ishikawa Prefecture. With more than 400 years of history, Kanazawa rivals Kyoto for its rich heritage of traditional Japanese culture. The city is home to Kanazawa Castle and Kenrokuen, one of the country's most famous Japanese-style gardens. It also has a wealth of traditional buildings and neighborhoods that make it a popular tourist destination. As the center of politics, economics, and culture in the Hokuriku region, Kanazawa today is home to many government organizations and branches of major corporations.

Promotion of Flexibility and Freedom in Learning, and Globalization

Kanazawa University was founded in 1862 as the Kaga Domain's smallpox prevention and treatment center, and 2012 marks 150 years of proud history and tradition for the institute. In April 2008, the university reorganized its previous academic structure of eight faculties and 25 departments into three colleges and 16 schools. This new structure gives students greater flexibility and freedom in their studies. The Charter of our university includes our principle of being "a research university dedicated to education, while opening up its doors to both local and global society". In accordance with this principle, we transmit information to the globalized world as a "stronghold of intellect in East Asia".

Overview of Graduate School of Natural Science and Technology, Kanazawa University

The Graduate School of Natural Science and Technology was established in 1987 with the principles of independence, comprehensiveness, and interdisciplinary study. The School was reorganized in 1997, and now it consists of the Master's Level Section (2 years) and the Doctoral Level Section (3 years) for a total of five years of integrated study. There are currently six divisions each in the Master's Level Section and the Doctoral Level Section. Through our education in the new, interdisciplinary field, we are producing researchers and engineers with high levels of expertise and creativity who will be able to work actively in Japan and abroad. We also welcome international students.

Acceptance of International Students

It is recommended that applicants have a background in a field related to environmental protection, such as environmental engineering, applied chemistry, chemical engineering, civil engineering and environment related mechanical studies.

Recommendation from one’s university → Selection by Kanazawa University → Acceptance of successful applicants

Venue of entrance examination

-China: Beijing, Shanghai, Dalian
-Korea: Seoul

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Environmental Education in the Japan/China/Korea Environment & Eco-technology Special Course

Kanazawa University Graduate School of Natural Science and Technology (Master's Level Section)

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Environmental Education in the Japan/China/Korea Environment & Eco-technology Special Course

We are producing eco-engineers who have the knowledge and skills in environmental technology to contribute to the development of a sustainable society beyond the boundaries of Japan, China and Korea. In cooperation with industry and government, we provide practical education that will qualify students to work in manufacturing companies in East Asia that endeavor to make the best use of natural resources and reduce their environmental impact.

Overview

Features of the Curriculum

1. Multinational team
   Through research activities, you will have friendly competition with other team members and learn the significance of tackling problems in a cooperative, international atmosphere.

2. Overseas training
   You will understand environmental problems and identify tasks in the field of environmental technology through overseas research activities carried out by multinational teams.

3. Long-term internships
   Through a long-term internship in Japan with a company or other organization, you will gain practical problem-solving skills.

4. Environmental engineering and communication skills
   Besides improving your communication skills and specialized knowledge as an eco-engineer, you will become familiar with the viewpoints of social science and medicine.

Curriculum

Advanced Subjects

<table>
<thead>
<tr>
<th>Environment/Atmospheric Environment</th>
<th>Pollution Control Engineering, Unit Operation for Atmospheric Environment, Atmospheric Environmental Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology for water quality control, Aquatic Environmental Chemistry</td>
<td>Physical Chemistry for Environment</td>
</tr>
<tr>
<td>Soil/Environmental Microbiology, Soil Analytical Chemistry</td>
<td>Thermodynamic Analysis for Environmental Engineering, Environmental Risk Assessment, Environmental Systems Planning, Advanced Environmental Science and Technology</td>
</tr>
</tbody>
</table>

Basic Subjects

Environmental Unit Operation, Environmental Analysis and Experiments, Basis of Environmental Engineering, Introduction to Environmental Engineering, Environmental Administration, Environmental Management

Common Subject

English for Environmental Science and Technology, Advanced English for Environmental Science and Technology

Language Subjects

Japanese Language

Research Work

<table>
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<tr>
<th>Orientation</th>
<th>Internship (long-term-internship)</th>
<th>Overseas training</th>
<th>Job Search Seminars and Counseling</th>
</tr>
</thead>
</table>

Schedule

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