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Kyushu University Program for Leading Graduate Schools
Advanced Graduate Program in
Global Strategy for **Green Asia**

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Program for Leading Graduate Schools

The Program for Leading Graduate Schools seeks to recruit talented individuals with traits of creativity and foresight who can play an active role in government, industry, and academia on a global scale. Our program offers a first-rate education, and trains students to work across a wide spectrum of platforms. With this approach, we are supporting a radical reformation of the graduate school system in Japan, and promoting the formation of a future-oriented renowned educational institution.

Kyushu University Interdisciplinary Graduate School of Engineering Sciences (IGSES) and the Department of Earth Resources Engineering, Graduate School of Engineering, have teamed up to build a unique curriculum for this particular program. Graduate students who are engaged in one of the three specialized research fields: materials science, system engineering, and resources engineering, will also study environmental science, basic sociology and economics. In addition, with the knowledge and practical experience gained domestically and overseas students will be able to attain the five key competencies of research, practical understanding, global perspective, objective appraisal, and leadership, to build a human resource network in Asia, and to receive a doctoral degree with from the "Advanced Graduate Program in Global Strategy for Green Asia" at the end of their studies.

Energy Innovation from Asia to the World Leadership Program in Science and Technology

Our educational program aims at developing leadership in science and engineering to realize a balanced greening and economic growth in Asia. The entire world faces the challenge of maintaining positive economic growth, while drastically reducing resource consumption. Asia encompasses a large cultural and social diversity, and it is a typical melting pot model of an area with complex economic and environmental problems.

An effective strategy was never implemented for countries to accomplish sustainable economic growth while dealing with environmental and resource restrictions related to mass consumption of fossil fuels. In this century, the role of our country is to develop a global model, which distinguishes from the existing Western-centric model to realize a Green Asia. Negative influences from globalization have emerged, such as the ever-widening gap between the rich and poor, rapid energy consumption in Asia and fossil resources price hike. The Global Strategy for Green Asia is a flexible approach based on social, industrial, and economic factors that are derived from Asian and Oceanic history and culture. Such an approach with a strong global network may generate a synergistic effect between greening and growth.

Candidate Cultivation

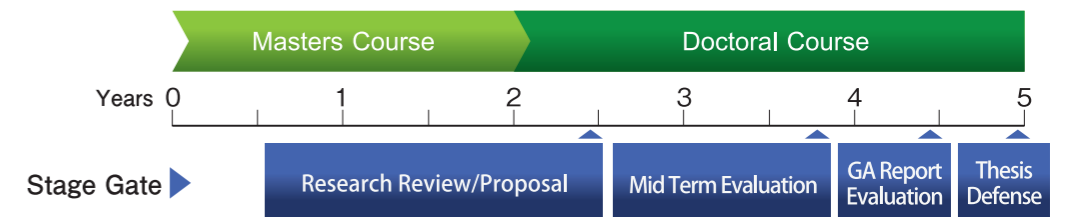
Cultivating leadership in science and engineering, with the concept of added-value-oriented green engineering, to ensure the coexistence of greening and economic growth (Green Asia).

Successful candidates have the opportunity to be trained in one of the program's three specialized fields: materials science, system engineering, and resources engineering, with additional lectures on environmental science, and basic sociology and economics. Furthermore, candidates can network with other professionals in Asia through educational training offered domestically and overseas. Candidates who have completed all the required training can assume leading roles in the field with the five key competencies: research, practical understanding, global perspective, objective appraisal, and leadership.

Program Features

1. Educational System Development: Accepting a wide range of domestic and international students, the program provides interdisciplinary graduate education in addition to promoting reform in the educational system.
2. Curriculum: Apart from the science and engineering studies (including international and industrial internships and international exercises), humanities and other social-science subjects are included in the curriculum (Green Asia research paper).
3. Mentoring Care Unit (MCU): An evolutionary guidance care unit is included.
4. Asia Collaboration Network and Government-Industry-Academia Partnerships: The program connects more than 30 research institutions across Asia and works with 58 organizations within Japan to construct an industrial system in Green Asia through the application of both humanities and sciences.
5. Education Quality Assurance and External Assessment: Preparing educational results and a guidance portfolio by students.
6. Added-Value-Oriented Green Engineering: The program trains individuals to acquire the abilities of upstream thinking, problem analysis, and solutions to accomplish the goal of a Green Asia.
7. Establishment of the Green Asia Education Center

Degree Program (For oversea student)



Global Strategy for Green Asia Program

