



JGP

京都大学ジャパングートウェイ構想

Japan Gateway:
Kyoto University Top Global Program

Program Summary The Japan Gateway: Kyoto University Top Global Program comprises international joint graduate school programs (called Top Global Courses) in research areas in which the university has significant international competitiveness. The Top Global Courses are implemented in collaboration with international partner universities that are world leaders in their respective fields, providing joint guidance and joint dissertation assessment. Joint and double degree programs are also provided. Through these programs, the internationalization of graduate school education combines synergistically with other aspects of university reform, such as admissions reform, an increased number of international instructors, increased inbound and outbound student mobility, and a greater number of classes provided in English, to further strengthen the university's research and education capabilities and cultivate the next generation of world-leading researchers.

A 10-year vision combining internationalization with education reform, spanning the admission process to graduate school education, and aiming to cultivate the next generation of world-leading researchers



Social Sciences and Humanities

In the social sciences and humanities fields, the University's Graduate Schools of Economics, Letters, and Agriculture collaborate to jointly provide international education programs that focus on sustainability and transcultural studies. Through existing departmental ties with partner universities from around the world and the combined capabilities of each of the unit members, the Graduate School of Letters provides the "Joint Degree Master of Arts Program in Transcultural Studies" (in collaboration with Heidelberg University), and the Graduate School of Economics offers the "International Joint Master Degree Program in Global Markets, Local Creativities" (in partnership with the University of Glasgow and the University of Barcelona). Besides, the Social Sciences and Humanities unit has developed other double degree and cotelle programs to contribute to the University's objective to further establish itself as a hub for education and research exchange. These programs offer students mobility opportunities and the chance to learn from leading researchers in Europe and Asia, thus contributing to the development of tomorrow's internationally-minded leaders and innovators.



Human Biosciences

In the field of human biosciences, Kyoto University researchers have garnered numerous internationally recognized accolades, including the Nobel Prize in Physiology or Medicine, the Robert Koch Prize, and the Albert Lasker Award for Basic Medical Research. In order to thoroughly internationalize its graduate school education, Kyoto University has developed a system of institutional collaboration that maximizes the unique characteristics and strengths of both Kyoto University and its partners, and is pursuing collaboration with institutions at the vanguard of international research, particularly in the field of genomic medicine. The JGP initiatives seek to further strengthen the university's research capabilities and international presence through the development of world-leading international education and research projects that represent a new model for international education networking, promote researcher and student exchange, and cultivate internationally competitive human capital. Initiatives include a joint degree program offered in collaboration with McGill University, the establishment of an international joint research unit with the Pasteur Institute, and the implementation of joint research projects with Bordeaux University.



Chemistry and Chemical Engineering

The six chemistry-based departments of the Graduate School of Engineering, which make up the Chemistry and Chemical Engineering section of this program, constitute one of the world's largest graduate schools in the field of chemistry. The school covers a broad spectrum of education and research, from molecular-level theoretical analysis through responses to global environmental and energy issues. The faculty members include several recipients of major international awards, including the Nobel Prize in Chemistry and the Humboldt Prize. Taking full advantage of the strengths of these departments, this section aims to establish an education system of international caliber by introducing programs that are mainly (or, in the case of doctoral programs, entirely) conducted in English. The programs include intensive lecture courses provided by faculty members from overseas partner institutions, such as MIT, which aim to encourage graduate students to develop broad perspectives and an international mindset, while increasing the number of high-quality international students at the university.



Mathematics

In the field of mathematics, Kyoto University boasts a group of researchers of the highest international caliber, who have made a significant number of pioneering research achievements in a wide range of mathematical science subjects and been acknowledged by numerous world-renowned accolades, including the Fields Medal. Under the joint guidance and supervision of these distinguished faculty members and top researchers from overseas, graduate students can pursue their doctoral dissertation research in an international environment that is designed to equip them with superior research skills in mathematics, as well as foreign language proficiency. Between 2015 and 2020, 32 graduate students earned doctoral degrees with overseas researchers serving as co-supervisors. By building their own international research networks whilst making their dissertations available to the international research community, students will have more opportunities to play an active role on the international stage.



Environmental Studies

The Environmental Studies section, comprising the Hall of Global Environmental Research, the Graduate School of Global Environmental Studies, and the Graduate School of Agriculture, covers a number of fields, including natural sciences, social sciences, and humanities. The section conducts interdisciplinary and practical education and research activities that seek to address environmental issues. In addition to presenting cases of pioneering endeavors in environmental fields through invited lectures by renowned scholars such as Professor Rattan Lal from the Ohio State University and Professor Denis Petitprez from Lille University, the educational curricula includes double-degree programs in collaboration with Mahidol University, IPB University (Bogor Agricultural University), and Tsinghua University. Opportunities such as international internship programs at partner universities, are provided to promote the internationalization of education programs. New environmental technologies produced through research activities have received high recognition, as evidenced by the receipt of the JSPS Prize (Takeshi Katsumi), the Excellence Award in the Nikkei Global Environmental Technology Awards (Hitoshi Shinjo, et al.), and the Japan Prize of Agricultural Science (Naoshi Kondo).



Public Health

Within the university's School of Public Health, the Internationalization Promotion Office was established to actively promote interdisciplinary and international approaches to education and degree programs in collaboration with leading universities in the ASEAN region, East Asia, the United States, and Europe. These efforts seek to promote international exchange focused on early-career researchers and establish a world-premium public health graduate school that can lead global healthcare in the 21st century. To improve the provision of English language education and public relations, the teaching materials for required courses and certain elective courses are available in English, and an English language website has been launched. An international conference was held for early-career researchers from major public health graduate schools in Taiwan, the ASEAN region, and the UK. Various opportunities are also provided for exchange (dispatching and inviting) between students and faculty members from Kyoto University and those of its overseas partner institutions in order to encourage international research collaboration.

