

“FrontierLab Mini Program” Short-term Student Exchange Program

School/Graduate School of Engineering Science,
Osaka University

FrontierLab Mini is a program designed to nurture creative competencies in students by offering a wide range of research directions and emphasizing hands-on laboratory experience. Applications from both undergraduates and graduates who major/minor in science and engineering are welcome. Each participant in the FrontierLab Program will be assigned to a particular research group, and thematic studies will be conducted under the close supervision of the faculty, through experiments, peer consulting, group work and interactive discussion. The term is less than 12 weeks. Please note that students to be approved for this program are only from institutions listed separately with a student exchange agreement, including the provisions for a mutual tuition waiver. Please check the list* of the institutions which the School/Graduate School of Engineering Science has an agreement with. Applicants are required to have either English or Japanese language proficiency in order to carry out laboratory activities.

Study area offered by School/Graduate School of Engineering Science includes

Undergraduate Level

Electronics / Materials Physics / Chemistry / Chemical Engineering /
Mechanical Science / Intelligent Systems Science / Biophysical Engineering /
Computer Science / Software Science / Mathematical Science

Graduate Level

Material Physics / Chemistry / Chemical Engineering /
Frontier Materials Science / Nonlinear Mechanics / Mechanical Engineering /
Bioengineering / Advanced Electronics and Optical Science /
System Science and Applied Informatics / Mathematical Science /
Mathematical Science for Social Systems

Exchange Duration

We offer flexible periods of study. The duration of the research is set from 2 to 12 weeks.

Credits are available for each period of study. Credits to be obtained differ depending on the period of study and study hours.

Requirements

Students are required to have completed at least one year of study at an accredited university before participating in this program. Additionally, students are required to belong to the schools where we have mutual student exchange agreements.

Application Deadline

In the case where a visa is needed, please apply three months prior to the date of your desired enrollment. If you are a national with visa exemption, please apply two months prior to the date of your desired enrollment. Please contact us for further enrollment information and assistance with the application.

Scholarship

Exchange students coming for the FrontierLab Mini Program who are not receiving other scholarships are eligible to apply. It is ideal for the student to apply for the scholarship at an early stage. Note that only a small number of students will be selected. For more information, please contact us.

*List of institutions (according to region in alphabetical order) as of April 2019

Asia	China	Dalian University of Technology(School of Chemical Engineering)
		Huazhong University of Science and Technology(School of Automation)
		Hunan University(School of Electrical and Information Engineering)
	China(Hong Kong)	Hong Kong University of Science and Technology(School of Science)
	India	Indian Institute of Technology Delhi
		Indian Institute of Technology Hyderabad
	Indonesia	Universitas Brawijaya(Faculty of Agricultural Technology)
	Iran	Sharif University of Technology
	Malaysia	Universiti Teknologi Malaysia
		University of Maylaya(Faculty of Engineering)
	Republic of Korea	Inha University(Graduate School of Department of Physics/College of Natural Science)
	Thailand	Chulalongkorn University(Faculty of Engineering)
		Thai-Nichi Institute of Technology
	Vietnam	Vietnam Academy of Science and Technology(Institute of Materials Science)
		Vietnam National University-Ho Chi Minh City(University of Sciences)
Singapore	National University of Singapore(Faculty of Engineering)	
Europe	Belgium	KU Leuven(Faculty of Science)
	France	Ecole Normale Supérieure de Cachan
		Institut National Polytechnique de Toulouse/ Ecole Nationale Supérieure des Ingénieurs en Arts Chimiques et Technologiques
		Paul Sabatier University(Laboratoire de Physique Théorique/CNRS(Institut de Mathématiques de Toulouse))
		University of Cergy-Pontoise(Faculty of Science and Technology)
	Germany	Eberhard Karls University Tübingen(Faculty of Science)
		Furankfurt University of Applied Sciences
		Justus Liebig University Giessen(Faculty of Mathematics and Computer Science, Physics, Geography)
		Physikalisch-Technische Bundesanstalt(Institute for Experimental Quantum Metrology)
		RWTH Aachen University(Faculty of Mathematics, Computer Science and Natural Sciences)
		Technische Universität Berlin(Faculty II, Mathematics and Natural Sciences)
		Technische Universität Darmstadt
	Italy	Pisa University(Faculty of Engineering, Civil and Industrial Engineering Department)
	Netherlands	Eindhoven University of Technology(Department of Biomedical Engineering)
	Poland	Warsaw University of Technology(Faculty of Chemical and Process Engineering)
	Spain	The University of Castilla-La Mancha -Universidad Carlos III de Madrid
	Sweden	KTH Royal Institute of Technology(School of Engineering Sciences)
Linköping University(The Faculty of Science and Engineering)		
North America & Latin America	Canada	University of Toronto(Faculty of Applied Science and Engineering)
	U.S.A.	Worcester Polytechnic Institute(the Computer Science Department, the Interdisciplinary and Global Studies Division)
	Brazil	Escola Politécnica da Universidade de São Paulo

Recommended Schedule

The following schedule is provided as an example for enrollment in May.

*The possibility of receiving a scholarship will increase if the student applies by the end of February for May admission.



*Regardless of the enrollment date, applicants will receive the scholarship result in May.