

# ISTC

International Science and Technology Course



## Welcome to Kyoto – Welcome to Doshisha

Kyoto is known as a historic capital where are many cultural assets and world heritages, also famous for its beautiful scenery and seasonal transitions. Streetscapes feel as though we are back in time, and yet the city is now one of the important centers for industries of the latest technology and institutions with outstanding academic research. Doshisha University was founded in 1875 by Joseph Hardy Neesima, who became one of the six great educators of the Meiji era. He believed that it was important for his students to learn diverse forms of self-realization. Today, our students are encouraged to nurture a sense of freedom, independence and conscience, in this distinct city where innovation and tradition brings you both excitement of the contemporary world, and the quietness of ancient Japan.



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## International Science and Technology Course

International business communities highly trust Japanese technology companies. Scientists and engineers in these companies have kept producing series of quality products through efficient management of research and development with profound business moral.

Doshisha University provides international students an opportunity to learn Japanese industry's ethics and management technologies at Japan's ancient capital,

Kyoto, through the International Science and Technology Course.

All classes necessary to obtain a degree are taught in English. Students can take an internship program to work in the Japanese industries in Osaka, Nara, Kyoto, and Kansai Science City where the university campus is located.

The program requires intensive efforts in practical project advancement.

Research advisor professors who supervise students give a specific research topic.

Students have to report the results of their research every month in front of their fellow students including Japanese students.

Students are also required to take classes of fundamental theory subjects related to their own research area, and classes of general knowledge indispensable to scientists and engineers to work on the international scenes.

The general knowledge subjects include Ethics for Scientists and Engineers, Presentation Skills, and Writing in English.

It takes two years or four semesters to obtain the M.Sc/M.S.Eng degree.

After completing the course, students can advance to the doctoral programs held at both Graduate School of Science and Engineering and Graduate School of Life and Medical Sciences.

Students are encouraged to cultivate their talent as a scientist or an engineer through giving presentations at international scientific conferences, publishing papers in international journals, as well as periodically reporting the advancement to the professors guiding the student's research project.

They also have an opportunity of working as a teaching assistant to guide studies of undergraduate and master's program students of Doshisha.

This teaching experience helps students open their careers toward a leader of an international scientific project.

Contents of the Doshisha University's International Science and Technology Course

are not limited to professional subjects of science and engineering only.

Students will understand their own responsibility in the society, and become a scientist or an engineer most trusted by the society through learning and training at Doshisha. Successful graduates will acquire true international understanding through the educational programs immersed in an atmosphere at the center of Japanese spiritual culture in Kyoto.

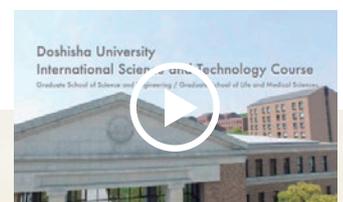
One can imagine project leaders highly respected by their colleagues with deep knowledge of their subjects as well as wide range of art and culture. International Science and Technology Course at Doshisha University aims to nurture these future leaders.

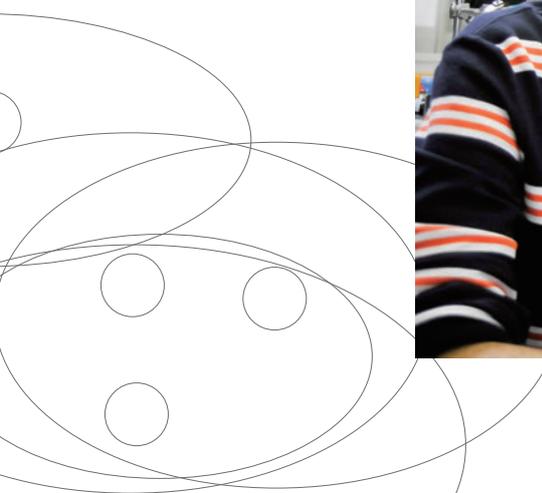
※Doshisha University is a member of T.I.M.E. association (Top Industrial Managers for Europe). <http://www.time-association.org/>



# ISTC

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## ● Information and Computer Science

● It is strongly desired that an information system to be applied as social infrastructure for the 21st century should naturally have a higher performance and at the same time be human- and eco-friendly and be intelligent as well. With the aim to develop such systems, this course is designed to foster advanced and multilateral knowledge and skills on information processing/transmission to comprehensively solve social problems we are facing today. Two major areas of our education and research are: the Field of Information related to computer science and information processing/transmission, and the Field of Intelligence which unravels the mystery of human intelligence and applies it in engineering.



### [Research Theme Examples]

- Software Engineering and Advanced Simulation
- Communications Theory and Signal Processing
- Information Systems and Ubiquitous Computing
- Smart Office Environment / Intelligent Systems Design Optimization
- Pattern Recognition and Support Technology for Remote Collaboration
- Distributed Systems with Internet of Things
- Design for Socio-informatics
- Driving Agents, Modular Snake-like Robots, Multi-agent Systems
- Multi-lingual Spoken Language Processing

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## Electrical and Electronic Engineering

Electrics and electronics are widely utilized not only in the field of energy and telecommunications but as essential elements of modern society, and the areas of research are continuously expanding.

In this course students are involved in a wide range of activities focusing on the basic theories required in the most advanced research areas such as infrastructure, power electronics, telecommunication systems, and photoelectric devices, and on the substantiation and applied research of such theories through experimental pursuit. Through these research activities, we foster international and creative engineers and researchers who can conduct advanced development and research to contribute to society with practical knowledge to develop and substantiate a theory into a new field.



### [Research Theme Examples]

- Electromagnetic Compatibility
- Evaluation of Functionality of Magnetic Materials and Characteristic Analysis of Electric Machines
- Operation Analysis and Control of Electric and Electronic Circuit Systems
- Ultrasonic Electronics
- Design and Numerical Simulation of Power and Infrastructure System
- Plasma Physics and Ion Beam Technology
- Antenna Engineering and Electromagnetic Field Analysis
- Semiconductor Optoelectronics Devices, Organic and Inorganic EL etc.
- Mobile Radio Communication System, Wireless Information Security
- Optical Fiber Communication
- Development and Application of Functional Electronic Ceramics

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## Mechanical Engineering

In this course students are actively engaged in various research activities in our world-class laboratory facilities equipped with the latest measuring instruments and computers. The areas of study include: basic research in materials science, characterization of metal / non-metal, applied research on topics such as machining and molding, basic research on vibration/motion/control, research and development related to mechatronics, basic research on thermal and fluids, and applied research in areas such as flow, heat transfer, and combustion. Thus this course provides students with the backgrounds of mechanical engineering and nurtures international and creative engineers and researchers who can conduct advanced development and research.



### [Research Theme Examples]

- Control Systems and Autonomous Automation for Manufacturing
- Dynamic Control of Heat and Fluid Flow, Development of High Performance Heat Exchangers
- Mechanical Design, Composite Materials
- Fabrication and Evaluation of Nanostructured Materials
- Stability of Flow and Its Transition from a Laminar to a Turbulent State
- Motion and Vibration Control as well as Human Dynamics
- Development of Eco-friendly Natural Fiber Composite Materials
- Analysis of High Efficiency and Low Emission Spray Combustion
- Research on forming Processing of Metal, a Polymer Material, and Its Composite Material
- Study on Dynamics of Functional Fluids

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## Applied Chemistry

Creation of new functional molecules / materials and their efficient production are desired to solve various problems we are facing today in the areas of science, engineering, and medicine from the viewpoint of chemistry and chemical engineering.

This course begins with basic research into the nature of such functional substances, and then goes on to the synthesis and applied chemistry research aiming for commercialization.

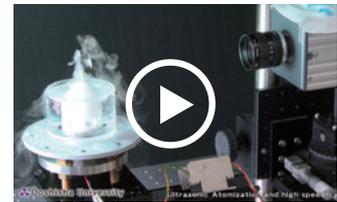
Moreover, chemical engineering researches are conducted to realize eco-friendly production in high yield, while considering the structural control and optimal design in the production process from both micro and macro viewpoints. Thus the course provides education and research activities in both functional chemistry and chemical engineering as two essential and complementary aspects, and at the same time cultivates future engineers and researchers.

### [Research Theme Examples]

- Inorganic Chemical Synthesis of New Functional Ceramics
- Materials for Batteries and Fuel Cells
- Development of Highly Efficient Functional Molecules for Understanding of Biological Systems
- Nanobiology and Nanoelectronics
- Biochemical Engineering
- Development of Environmental-friendly Bioseparation Process
- Powder Technology and Colloid Engineering
- Design of Chemical System Moving Like Living Matter
- Design Engineering of Functional Particles
- Transport Phenomena of Multiphase Dispersion in Environmental Issues
- Trace Analysis Taking Advantage of a Special Microspace



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## Science of Environment and Mathematical Modeling

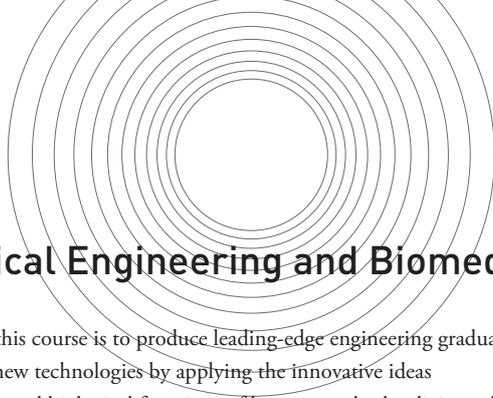
Global warming, destruction of the ozone layer, and loss of rainforests are closely related to the complicated natural system and diverse human activities. To address these issues, the development of environmental science is imperative, in addition to the application of conventional science and technology, as the comprehensive science that connects them. Besides, the importance of mathematical science that supports the advanced technology and information society has increased as a basic element that connects different fields of study. This course has its basis in areas such as mathematical science, earth science and biology as well as environmental engineering, and provides education on the natural environment and analysis of its changes, the construction of sustainable resources/energy systems and environmental protection technology, and advanced mathematical theory and mathematical models. Through this education and research we aim to cultivate advanced engineers and researchers with the knowledge of environmental science and mathematical science.

### [Research Theme Examples]

- New Energy Systems
- Earth System Science
- Theoretical Study of Star Formation
- Development of Air Batteries and Smart Anode for Electrometallurgy
- Forest Ecology
- Atmosphere and Climate Dynamics
- Numerical Analysis
- Topology of Lie Groups
- Applied Mathematics
- Differential Equations and Their Application
- Qualitative Theories of Ordinary Differential / Difference Equation
- Statistical Science, Financial Engineering
- Computer Algebra and Combinatorics

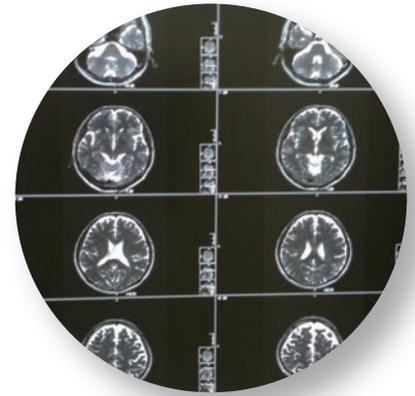
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## Biomedical Engineering and Biomedical Information

The purpose of this course is to produce leading-edge engineering graduates, who can create new technologies by applying the innovative ideas of the superior actual biological functions of humans and other living substances. The integration of medical perspective with mechanical, information and electronic engineering points of view offers a new education for the self-independent as well as creative engineers and researchers.



### [Research Theme Examples]

- Medical Ultrasonic Imaging and Safety Consideration
- Intellectual Medical Systems Using AI and ICT
- Behavioral and Engineering Study for Bar's Biosonar
- Neuroethology: Hearing and Vocal Communications
- Development of Novel Catalytic Reactions and Syntheses of Bioactive Compounds
- Effective Synthesis of Biologically Active Compounds and their Functions
- Ultrasonic Electronics, Medical Ultrasonics
- Biological Physics, Medical Physics

Check out this video!



## Medical Life Systems

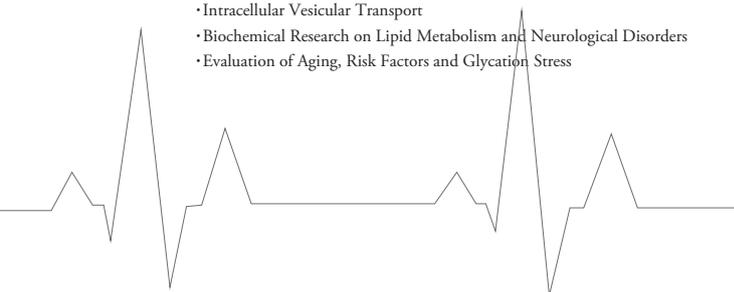
The phenomena of life are studied in this course, which regards human beings as one unique system of life. The main topic of research projects is the clarification of various epidemiological mechanisms arising from imbalances in systemic control systems and the prevention and treatment of such problems.



### [Research Theme Examples]

- Inhibition of  $A\beta$  Production
- Studies on Clinical Applications of Regeneration Medicine
- Oxidative Stress, Functional Food Medicine
- Genomics and Proteomics for Human and Model Organisms
- Basic Sciences to Cancer Biology and Therapeutics
- Mechanisms of Neurodegeneration in the Brains of Dementia
- Drug Discovery based on Cell Biology
- Mechanisms Underlying Oxidative Stress Including Diseases and Defense Systems
- Functional Biology of Neuroscience
- Biological Role of Reactive Oxygen Species
- Intracellular Vesicular Transport
- Biochemical Research on Lipid Metabolism and Neurological Disorders
- Evaluation of Aging, Risk Factors and Glycation Stress

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Master's Program

A I (Courses of Specialized Fields)

MAJOR	SUBJECT	CREDITS	
 Information and Computer Science	Advanced Communications Engineering	2	
	Advanced Emergent Systems	2	
	Advanced Programming Language	2	
	Advanced Nature-Inspired Computing	2	
	Advanced Information and Computer Sciences(E)	2	
	Advanced Distributed Systems	2	
	Advanced Natural Language Processing	2	
	Advanced Optimization Technologies	2	
	Advanced Knowledge Discovery in Databases	2	
	Information and Communication Technology(E)	2	
	Internship	2	
	 Electrical and Electronic Engineering	Advanced Infrastructure Engineering	2
		Advanced Opto-Electronic Waveguide	2
Electrical Power Systems Engineering		2	
Advanced Applications of Electronics		2	
Advanced Electrical and Electronic Engineering I		2	
Advanced Electrical and Electronic Engineering II		2	
Internship		2	
 Mechanical Engineering	Advanced Fluid Dynamics	2	
	Advanced Mechanics of Materials	2	
	Advanced Spray Combustion Science	2	
	Advanced Fluid Engineering	2	
	Advanced Mechanical Materials	2	
	Advanced Mechanical Engineering I	2	
	Advanced Mechanical Engineering II	2	
	Internship	2	
	 Applied Chemistry	Advanced Organic Chemistry	2
		Advanced Inorganic Chemistry	2
Advanced Physical Chemistry		2	
Advanced Analytical Chemistry		2	
Advanced Transport Phenomena		2	
Internship		2	
 Science of Environment and Mathematical Modeling	Advanced Analysis	2	
	Advanced Numerical Analysis	2	
	Advanced Difference / Differential Equations	2	
	Advanced Natural Environment Studies	2	
	Advanced Earth and Planetary Environment Science	2	
	Advanced Ecology	2	
	Advanced Environmental Systems Engineering	2	
	Advanced Human and Environmental Studies	2	
	Internship	2	
	 Biomedical Engineering and Biomedical Information	Advanced Lectures in Ultrasonic Electronics	2
Advanced Organic Chemistry		2	
Advanced Theory for Medical Imaging System		2	
Advanced Lectures in Evolutionary Computation		2	
Advanced Practice in Special Project A		2	
Advanced Physical Science of Life		2	
Advanced Biosensing Engineering		2	
Advanced Lectures in Applied Chemistry		2	
 Medical Life Systems		Advanced Lectures in Neuroanatomical and Neurophysiological Basis of Neurologic Diseases	2
		Advanced Lectures in Systems Biological Sciences in Diseases	2
	Advanced Lectures in History of Japanese Medicine	2	
	Advanced Lectures in Molecular Pharmacology and Cellular Signaling	2	
	Advanced Practice in Special Project A	2	

A II (Common Core Subjects)

MAJOR	SUBJECT	CREDITS
 All	Computation Structure	2
	Electric Circuit Theory	2
	Nonlinear Physics	2
	Materials Chemistry	2
	Applied Mathematical Analysis	2
	Biology	2
	Neuroscience	2
	Advanced Lectures in Special Topics	2

B (Common General Courses)

MAJOR	SUBJECT	CREDITS
 All	Ethics for Scientists and Engineers	2
	Technology and Business Project Management	2
	Science and Engineering Writing 1	2
	Science and Engineering Writing 2	2
	Presentation Skills for Scientists and Engineers	1
	R & D Planning for Scientists and Engineers	2
	Japanese Corporate Culture	2

Compulsory Subjects

MAJOR	SUBJECT	CREDITS
 All	Research and Experiments I ~ IV	2 each
	Master's Thesis	—

Japanese language and culture subjects

Center for Global Education and Japanese Language of Doshisha University offers rich diversity of Japanese language and culture courses to all international students. The center not only offers "Japanese language" classes in 9 different levels in order to suit each individual student's Japanese ability but also offers unique and high-quality subjects as a university in Kyoto such as "Japanese studies subjects" which allow students to learn the real Japan and Kyoto through world-renowned intellectuals we invite as a lecturer/ guest speaker and through fieldwork or experimental learning as well as "International studies subjects" and "Japanese and English training subjects" which capture religion, history, business and media from international and various aspects.

※Credits earned by Japanese language and culture subjects will not be counted toward credit requirement for graduation.

## Credit Requirements for Master's Program

Students are required to earn a certain amount of credits from each category as follows;

Elective Subjects				Total
CREDITS	A I (Subjects of Specialized Fields)		II (Common Core Subjects)	
	Experiment I ~IV 8	8 or more	6 or more (to 8)	4 or more (to 6)
	16 or more			
	24 or more			
				30

## Master's Program Flow

Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester
Entrance	Courses of Specialized Fields Constituted and Assigned by Majors (Including internship programs) Common Core Subjects Specified by Majors (Interdisciplinary subjects) Common General Courses Practical Research on the Specific Field of Study Monthly report of the research status		M.Sc/M.S.Eng.Dissatation Compilation of research results	Completion	Spring semester : April to September Fall semester : October to March Each semester consists of 15 weeks of study
	Entrance	Courses of Specialized Fields Constituted and Assigned by Majors (Including internship programs) Common Core Subjects Specified by Majors (Interdisciplinary subjects) Common General Courses Practical Research on the Specific Field of Study Monthly report of the research status		M.Sc/M.S.Eng.Dissatation Compilation of research results	Completion

Laboratory work consists of full-time research work

Students who excel in their research work will have a chance to present their results at a meeting of a scientific society in Japan or overseas

Duration of the doctoral program is three years in principle. The doctoral program is designed to focus on research and dissertation however students can take subjects of their interest including Japanese language and culture subjects.





# Support System for International Students

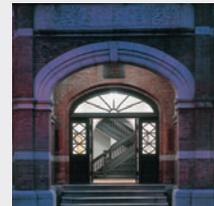


## Financial Aid

### Doshisha University Reduced Tuition for Self-Funded International Students

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- Doshisha University Graduate School Reduced Tuition Special Scholarships for Self-Funded International Students  
Equivalent to full amount of tuition/20 to 30% of international students
- Doshisha University Reduced Tuition Scholarships for Self-Funded International Students  
Equivalent to 50% of tuition/30 to 40% of international students  
Equivalent to 30% of tuition/ approximately 40% of international students



※ The reduction rate is determined by considering such factors as entrance examination results and research plans.

#### Eligible Applicants



1. Those who have passed the entrance examination for international students and hold a Student visa.
2. Those who have passed the entrance examination for international students and hold a "Permanent Resident", "Long-Term Resident", "Spouse or Child of Japanese National", or "Spouse or Child of Permanent Resident" visa.
3. Those who are enrolled in Doshisha University, regardless of type of entrance examination and hold a Student visa.(\*applicants' eligibility will be preliminarily screened.)
4. Those who enroll in the International Science and Technology Course in and after the Academic Year 2014, and qualify as recipients.(\*applicants' eligibility will be preliminarily screened.)

#### Duration of Scholarship



Two years after admission (renewable for up to the standard number of years required for graduation for students who meet certain standards of academic performance). In being renewed, the reduction rate may be changed depending on his/her academic performance.

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After enrollment, either the Doshisha University Graduate School Reduced Tuition Special Scholarship for Self-Funded International Students or the Doshisha University Reduced Tuition Scholarship for Self-Funded International Students will be applied. Tuition reduction rates for each student are determined based on entrance examinations results. Please note that the Admission Fee, the Fee for Educational Support, and Lab/Practical Fees are to be paid as usual. In addition, students may become ineligible and have their scholarships cancelled if they have already been selected to receive a scholarship from a private organization.

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## Doshisha University Doctoral Program Young Researcher Scholarship

Equivalent to annual university fees (admission fee (when enrollment), tuition fee, educational support and laboratory fee).

### Eligible Applicants



Students enrolled in doctoral programs at the Graduate School of Science and Engineering / Graduate School of Life and Medical Sciences, aiming to acquire a doctoral degree, and have received a recommendation from his/her graduate school. Must be under 34 years old on the first day of the semester in the year of enrollment.

### Duration of Scholarship



The scholarship is awarded for a period of one year. However, the award period may be extended based on screening and provided it does not exceed the standard program duration.



### Health Center and Counseling Center

There are on campus Health Center and Counseling Center for students. Health Center provides medical care and annual checkup. Counseling Center offers personal and academic counseling and assistance.



### Tutor System

Doshisha University has the "Tutor System for Study and Research Support for International Students". As part of support services for international students at Doshisha University, the system appoints tutors to help them make rapid progress in their learning and research. Main duties of the tutors are support in international students' Japanese language skills (including acquisition of technical terms and writing reports and essays) and academic support in their area of specialization. Under the supervision of the research advisor, the tutors provide study and research support to international students as necessary.



### International Peer Support Program

We offer International Peer Support Program to help international students adjust smoothly to student life in Japan. Doshisha peer supporters give advice on their studies and daily life as well as being their cross-cultural exchange partner.



### Others

#### • Extracurricular Activities

There are about 170 officially recognized groups and 240 groups registered at Doshisha's student Support Services Center. The activities of those groups range from art and sports to culture, including Kendo, Judo and Sado (the way of tea).



Doshisha University also plans and sponsors programs for students to enjoy international cultural exchanges as well as various events such as camping and concerts.

#### • Diversity

We have Halal food at school cafeteria and meditation room is available on campus for students who need it. Why we have these we didn't 10 years ago is because more and more international students choose to study at Doshisha. We value and support our students and the cultural diversity they bring.



#### • Career Support

On campus Career Center does provide a lot of job information but that's just not it. We organize a wide range of events, seminars and workshops for international students and also offer individual counseling in English to support our international students find their future in Japan after graduation. The campus is located at the heart of Kansai Science City, so students have a fulfilling opportunity to do an internship in the adjacent national research institutes/ international industries.



I graduated with my Bachelors of Science in Bioengineering from University in America. As a graduation present from my parents, I visited Japan for 2 weeks. It was my first time outside of North America and everything was exciting and new to me; the entire culture was very fascinating. Upon returning to America, I began working my first job as a mechanical engineer at an oil and gas company. I soon realized that this was not the job I truly wanted; so I began searching for graduate programs that would allow me to have my career that would give me the sense of accomplishment that I desired. Since my trip to Japan, I had grown more and more interested in Japanese culture. I found the ISTC and knew that it would be a great fit. The Vibration and Motion Laboratory is allowing me to conduct research that I am truly interested in. My goal in life is to help improve the quality of life of people. The reason I chose to study engineering to begin with, was because I felt a need to help people. My research will involve creating a rehabilitation device for Rheumatoid Arthritis patients that will safely and effectively provide hand therapy that is currently out of reach of many patients due to the lack of available therapists. With a Master's degree from Doshisha University I hope to find work at one the many prestigious Japanese medical device manufactures and to improve the quality of life of people suffering from various ailments across the world.



My name is Marta Quemada López and at present, I am a Double Degree student at the Science and Engineering Graduate School of Doshisha University. I came Japan September 2014 to start my Master's Degree in Information and Computer Science. I had never been to Japan before, but I was quite sure I was going to like it and it has proven true. I have always been interested in Asian culture and I love discovering other countries. For this reason, I considered it an outstanding opportunity to study in Doshisha University for two years. Moreover, I am performing my research for my Master Thesis about Data Mining, which is my field of interest. My laboratory is called Co-creational Informatics in which various lines of research are being developed in different domains of Data Analysis. The project I am collaborating in, the main goal is to extract useful information from biomedical time series, to help in the medical field. To achieve this we will model the time series, but this can turn out difficult due to the missing values and heterogeneous data within our time series. Therefore we are developing and evaluating a program that will solve these problems. I am learning and enjoying a lot in Doshisha, not only in my lab or during my lessons. In the past months I have met many new friends from all over the world and learning about their cultures helps me become a bit more tolerant and open-minded every day. I'm looking forward to discover which other surprises await me in Japan.



**Adam Gourley**  
Mechanical Engineering



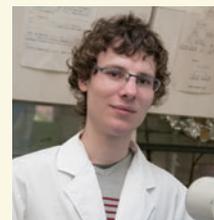
**Jorge Eduardo Lamas De Anda**  
Mechanical Engineering



**Marta Quemada López**  
Information and Computer Science

I came from Mexico to study about energy in Japan. Japan has created very important technology to generate electricity with high efficiency, such as solar panels, rechargeable batteries and fuel cells. These technologies are environmentally friendly, and they can also be used in places where it is difficult to obtain electricity. Many countries have difficulties obtaining electricity, because fuel is very expensive, or because the electric network is in bad conditions. Japan is not only the leader in these technologies, but it is also very eager to help other countries to utilize them. Since energy for electricity and heat is needed by everyone, it is important to learn how to share this technology with the people who need it the most. I came to Japan to learn about these technologies, and to learn how they can be utilized in Mexico and other countries in Central America. I am now researching how to combine these technologies to generate electricity and hot water at home, with a low cost, low fuel consumption, and low pollution. It is difficult to obtain a perfect combination, but as the technology advances, it is possible to design more efficient systems that can help many people.

For a long time I was interested in Japanese culture, and, in university I was able to study Japanese. Thanks to my professor, I had the opportunity to come to Japan for a 2-months internship. I was really pleased by the country and the people, and thus I decided to come again for a 2-years exchange program in Doshisha. I am currently doing research about new molecules able to cut DNA of cells at a lower pH than the body one, which is one characteristic of cancerous cells. Thus, such a compound would be able to selectively kill cancerous cells without harming the healthy ones, and could lead to better anticancer drugs. I had a great time studying in Doshisha, I have learned many things about Japan and met many awesome people there. I am also very glad for having discovered Japan in the Kansai region, which is really beautiful. I really hope to come often back here !

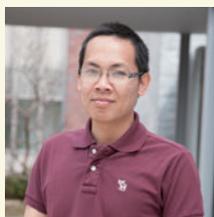


**Matthieu Benteux**  
Applied Chemistry

When it comes to the question why choosing Japan for further education, I remember that it used to be the one occupying my mind for a long time before making the decision. The reason why I chose Japan to be my destination for pursuing my Master of Science degree is many outstanding achievements in science, and cultural proximity between Japan and Vietnam. I was an undergraduate student in Bachelor of Engineering from Ho Chi Minh City University of Technology in Vietnam. To my expectation, the academic environment in Japan will train me to perform individual projects and prepare me for further research in a specialized field. I deeply understand that a university with notable faculties, excellent students, and advanced facilities is vital for future success. Moreover, the cultural closeness helped me adapting quickly to the new life in Japan. The key factor urging me apply for Master's program in Doshisha University is that it is suitable for my career orientation, which is to research and apply technical knowledge in practice. Doshisha University is one of the prestigious universities in the field of composite materials, creating an ideal environment for international students to study and acquire valuable researching skills. By doing research in Japan, I strongly believe that I will have a great opportunity to acquire cutting edge expertise and contribute to the development of Vietnam once I finish my study. Regarding my work in Japan, my research topic is focused on the cementitious composite based on Portland cement, recycled carbon fiber with chemical treatment, and additives usage. The aims is to find out the optimum characteristics of RCF used for reinforcing cement including percentage, and size. Additionally, I also hope that the mechanical properties of cement composite may increase significantly with the desired number from 50% to 100% compared to the origin cement mortar. During the implementation of my project, I have received support in both technical and financial from my supervisors -- Prof. Okubo, Prof. Fujii, and the caring assistance from the members of laboratory.



Japan is a beautiful country with a unique culture that I always want to experience. So I am very happy to have the chance to study in Doshisha University. Just like Kyoto where the university located, Doshisha University has a long history but is quite international. All lectures taught in English, the International Science and Technology Course gives people such as me who can't speak Japanese an opportunity to study and live in Japan. What's more Doshisha University can offer foreign students a lot of help that makes me feel much safer to come here alone. The officers are warmhearted and attentive, and they have helped me solve many problems. Professors are extremely kind and do well in study and teaching. I obtain so many advises both on research and on daily life from them which I really appreciate. The lectures are interesting and useful. The students here are also friendly. They are from Japan and many other different countries and regions. Talking with them is a nice experience and I have learned much from them on studies and other cultures. As for the lab, there are various advanced devices in it. I am really happy that I have been told to be able to use them to do the research I like. I think it means I am welcome to do researches based on my interest and also according to the researches I could find out if I am suitable to continue the study and get a doctor degree. Because I have such a great time in Doshisha University and in Kyoto, I will miss them when I leave.



  
**Hoang NGUYEN**  
Mechanical Engineering



  
**Albara Khalifa**  
Information and Computer Science



  
**Rui Wang**  
Electrical and Electronic Engineering

My research is about creating an automatic system to teach English language using robots. I am trying to understand how human interact and respond to robots in a conversation in order to design the system. I came to Japan because it is a leading country in many fields. Most of the students in my country choose western countries for studying abroad. I chose Japan to add a new perspective to our experience and to learn new ways that are specific to Japan and don't exist in the western cultures. My main goal in life is to contribute in making this world a better place to live in for all creatures. Technology can be advanced and utilized in a better way for the good of humanity. Money and wars should not be the main goals for such advancement. Science and technology should be considered as tools to help humanity to have better life and to solve their problems. I think that studying at Doshisha University is a nice experience for me. I met good people among students and among professors. With the help and guidance of my professor and with the collaborations of my colleagues in the lab, and with the facilities offered in the university, I could do good work in my research, and I could have great memories.





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**Q Where can I find the details of the laboratories?**

**A** Please visit the website for details of each laboratories.  
<http://istc.doshisha.ac.jp/en/faq/faq.html>

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**Q Where can I get information about admission and application forms ?**

**A** You can download the application forms and admissions guide from our website.  
<http://istc.doshisha.ac.jp/en/admission/admission.html>  
Please contact Office of International Student for details.  
E-mail : [ji-ois@mail.doshisha.ac.jp](mailto:ji-ois@mail.doshisha.ac.jp) URL : <http://ois.doshisha.ac.jp/>

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**Q What level of Japanese do I need to study at Doshisha?**

**A** Proficiency in Japanese is not necessary for students in degree courses conducted entirely in English; however, the minimum Japanese language skills are required in handling day-to-day situations after entering university. Doshisha University offers Japanese language programs for beginner to advanced levels, and various opportunities for international students to interact and communicate with Japanese students.

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**Q What legal procedures should I follow during my stay in Japan?**

**A** During your stay in Japan, you are required to follow the “Alien registration Law” and the “Immigration Control and Recognition Act”. Please refer to the following link for further information.  
[http://ois.doshisha.ac.jp/en/residents\\_homecoming/procedure.html](http://ois.doshisha.ac.jp/en/residents_homecoming/procedure.html)

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**Q What are living expenses like in Kyoto?**

**A** The average living expenses for international students in the Kyoto and Osaka area are JPY134,000 per month, according to the “Student Guide to Japan 2014-2015,” published by the Japan Student Services Organization (JASSO).

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**Q Does the University help students to find accommodation?**

**A** The University administration introduces intermediary services that can provide information about on-and off campus accommodation and solicits applications for rental housing and university dormitories. It also provides information about Comprehensive Renter's Insurance for International Students Studying and other helpful hints for students looking for a place to live.

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**Q What dining options are available on campus?**

**A** There are several dining options and a café and convenience stores on campus. Offering variety of menu selections that include breakfast and dinner and some dining will remain open for holidays and weekend, you'll never have to worry about where to eat.

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**Q I'd like to know about International student dormitory.**

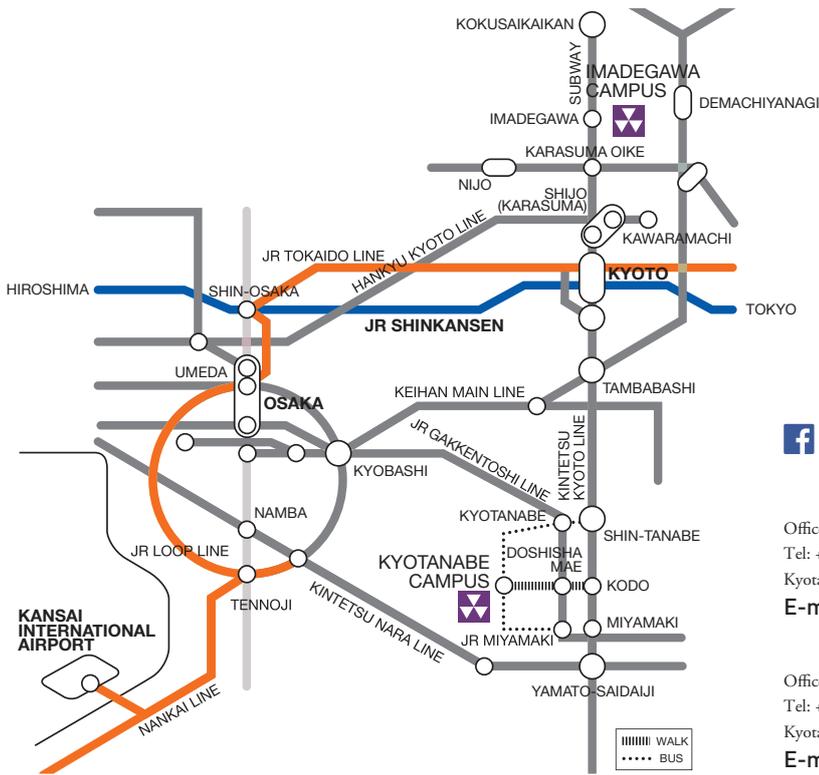
**A** International student dormitory is located in a quiet, hilly setting close to the Kyotanabe Campus. Communal kitchens and large meeting areas as well as recreational facilities shared make dormitory life an enjoyable experience, while comparatively reasonable costs and the presence of Doshisha staff on-site give residents peace of mind.

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DIRECTION



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Office of Graduate School of Science and Engineering  
 Tel: +81-774-65-6200 Fax: +81-774-65-6800  
 Kyotanabe Campus: 1-3 Tatara Miyakodani, Kyotanabe-shi, Kyoto-fu 610-0394  
**E-mail: jt-koujm@mail.doshisha.ac.jp**

Office of Graduate School of Life and Medical Sciences  
 Tel: +81-774-65-6020 Fax: +81-774-65-6019  
 Kyotanabe Campus: 1-3 Tatara Miyakodani, Kyotanabe-shi, Kyoto-fu 610-0394  
**E-mail: jt-semjm@mail.doshisha.ac.jp**

TO KYOTANABE CAMPUS



※ 10 minutes by bus from Shintanabe station