



Doshisha University
Graduate School of Science and Engineering
Graduate School code: 2

Web site: <http://istc.doshisha.ac.jp/en/>

1. Graduate School code	2
2. Maximum number of participants	5
3. Fields of Study	<p> <input checked="" type="checkbox"/>Environmental Science <input type="checkbox"/>Marine Science <input checked="" type="checkbox"/>Meteorology <input type="checkbox"/>Natural Disaster/ Disaster Prevention Science <input type="checkbox"/>Tourism <input type="checkbox"/>Politics <input type="checkbox"/>Economics <input type="checkbox"/>Sociology <input type="checkbox"/>Education <input checked="" type="checkbox"/>Engineering <input type="checkbox"/>Agriculture (incl. Fisheries) <input checked="" type="checkbox"/>Geology <input checked="" type="checkbox"/>ICT <input type="checkbox"/>Medical Science <input checked="" type="checkbox"/>Others (<input checked="" type="checkbox"/>Information and Computer Science <input checked="" type="checkbox"/>Electrical and Electronic Engineering <input checked="" type="checkbox"/>Mechanical Engineering <input checked="" type="checkbox"/>Applied Chemistry <input checked="" type="checkbox"/>Science of Mathematical Modeling) </p>
Sub Fields	<p><u>Information and Computer Science</u> Information Theory and its Applications, Information Systems Laboratory, Intelligent Information Processing, Intelligent Mechanism, Intelligent Systems Design, Socio-informatics, Co-Creation Informatics, Applied Media Information, Network Information Systems, Intelligent Mechatro-Informatics, Spoken Language Processing</p> <p><u>Electrical and Electronic Engineering</u> Opto-Electronics & Systems, Electrical and Electronic Materials, Electric Circuits and Systems, Power System Analysis, High-frequency Engineering, Electrical Machinery & Apparatus, Ultrasonic Electronics, Applied Physics, Applied Mathematics, Communication Systems, Photonic Devices</p> <p><u>Mechanical Engineering</u> Metallic Materials Science, Applied Materials Engineering, Advanced Materials Structural Engineering, Spray and Combustion Science, Heat Transfer, Fluid Mechanics, Motion and Vibration Control, Manufacturing System and Design, Machine Elements and Tribology, Applied and Engineering Mathematics, Physics</p> <p><u>Applied Chemistry</u> Electrochemical, Physical Chemistry, Physical Chemistry, Polymer Chemistry, Inorganic Synthetic Chemistry, Functional Organic Chemistry, Bioinorganic and Chemical Biology, Biofunctional Chemistry, Powder Technology, Transport Phenomena, Biochemical Engineering, Separation and Detection Chemistry, Molecular Chemical Engineering, Material System</p> <p><u>Science of Environment and Mathematical Modeling</u> Earth System Science / Environmental Magnetism, Geo-environmental Science, Wild Life Preservation, Advanced Materials Science and Process Systems, New Energy System, Environmental Systems Engineering, Regional Environment, Geometry, Functional Equations, Statistical Finance, Computational Mathematics, Mathematics for Information, Discrete Mathematics, Algebra</p>

4. Program and Degree	Program	International Science and Technology Course
	Degree	Master of Science or Master of Science in Engineering
5. Standard time table (Years needed for graduation)	Starting as a Research Student up to 6 months, then 2 years as a Master's Student after passing the entrance exam.	
6. Language of Program	<p>(1)Lecture: All lectures in English</p> <p>(2)Text: English but Japanese text will be used partially while English instructions are given orally.</p> <p>(3)Laboratory work: Safety instructions are written in English. Conducting of the research is generally instructed by the supervisor in English.</p> <p>The Graduate School of Science and Engineering has the research assistant system where foreign students can get support from Japanese students when they need help with writing thesis and doing some research.</p>	
7. Desirable English level and Necessary Academic background	Linguistic Ability	<p>Applicants are required to meet one of the following requirements:</p> <p>(1)Those who can provide one of the test scores listed below to verify their English language proficiency.</p> <ul style="list-style-type: none"> ●550 or above on the TOEFL® PBT TEST ●79 or above on the TOEFL iBT®TEST ●750 or above on the TOEIC® LISTENING AND READING TEST (TOEIC® TEST) ●6.0 or above on the IELTS (Academic Module) <p>(2)Those who have completed a Bachelor's degree program taught in English or are expected to complete such a program by the time of enrollment.</p> <p>(3)Those who are recognized by Doshisha Graduate Schools as possessing an equivalent qualification to one of the above requirements (1) (2).</p> <p>Doshisha Graduate Schools may consider only when requested by the Japanese Government, governmental offices of other countries involved or foundations in Japan and abroad, overseas institutions having academic exchange agreements with Doshisha University, or if the applicant has been granted a scholarship by any of the above organizations.</p>
	EJU, IELTS, GRE or else	<p>Applicants are required to meet one of the following requirements:</p> <p>(1)Those who have completed 16 or more years of education outside Japan and possessing a Bachelor's degree or expect to complete it and will possess a Bachelor's degree by the time of enrollment.</p> <p>(2)Those who have graduated from a university or college in Japan as an international student or expect to graduate by the time of enrollment.</p> <p>(3)Those who have been granted a degree corresponding to a Bachelor's degree by completing a program where the course term is 3 years or more in overseas universities or other overseas schools (limited to those who comprehensive situation and research activities have either received evaluation from a person who was authorized by the corresponding country's government or related institutions, or which have been separately designated as being equivalent to such by the Minister of Education, Culture, Sports, Science and Technology) or are expected to be granted a degree corresponding to a Bachelor's degree by the time of enrollment.</p>

		<p>(4)Those who have completed 15 or more years of education outside Japan and possessing a Bachelor's degree or expect to complete it and will possess Bachelor's degree by the time of enrollment as well as are recognized by Doshisha Graduate Schools as achieving a high level of academic excellence.</p> <p>(5)Those who are recognized by Doshisha Graduate Schools as possessing an equivalent qualification to one of the above requirements (1) (2) (3) (4) as well as are 22 years of age by the time of enrollment.</p>
8. Prior Inquiry From Applicants (Before Submission of Application Documents)		Not allowed
9. Website		<p>(1) International Science and Technology Course http://istc.doshisha.ac.jp/en/</p> <p>(2) Doshisha University http://www.doshisha.ac.jp/en/index.html</p>
10. Professors and Associated Professors		<p>The details of the professors and their research are available through the website at the following address: http://istc.doshisha.ac.jp/en/course/course.html</p>
11. Features of University		<p>Please refer to the following websites: (1)History: http://www.doshisha.ac.jp/en/information/history/chronology.html</p> <p>1875 Doshisha Academy is established by Jo Niijima. 1888 'The Aim in Establishing Doshisha University' is published in major newspapers and magazines. 1890 Jo Niijima passes away at the age of 46. 1912 Doshisha University (School of Theology, Faculty of Political Science and Economics and Department of English) and the Advanced Course of Doshisha Girls' School are approved under the Senmon Gakko (professional school) Ordinance. 1920 Doshisha University (Faculty of Letters, Faculty of Law, Graduate School and Preparatory School) is approved under the University Ordinance. 1944 Doshisha Engineering College is established. 1948 University (School of Theology, Faculty of Letters, Faculty of Law, and Faculty of Economics) is approved under the New School System Ordinance. 1950 Master's Programs (Graduate Schools of Theology, Letters, Law, Economics, and Commerce) are established. 1953 Doctoral programs are established. 1955 Master's program in Engineering is established. 1986 Tanabe Campus, the present Kyotanabe Campus, is opened. 2010 Graduate School of Global Studies is established. 2012 Graduate School of Brain Science established 2013 Faculty of Global and Regional Studies established Humanity Faculties (Letters, Law, Economics and Commerce) shifted to the Imadegawa Campus. 2014 Master's Degree Program 'Global Business and Management Studies' established in</p>

	<p>Doshisha Business School</p> <p>2015 Doshisha Kyotanabe Kaido (Kotoba-kan, Hikari-kan) completed.</p> <p>(2)Access: http://www.doshisha.ac.jp/en/information/campus/access/kyotanabe.html</p> <p>Imadegawa Campus (Graduate School of Global Studies is in here) Karasuma Higashi-iru, Imadegawa-dori, Kamigyo-ku, Kyoto 602-8580 Japan Telephone: +81-75-251-3120 9 minutes from Kyoto Station by subway, one minute on foot from the Imadegawa Station on the subway</p> <p>Kyotanabe Campus (Graduate School of Science and Engineering is in here) 1-3 Tatara Miyakodani, Kyotanabe City, 610-0394 Japan Telephone: +81-774-65-7010 15 minutes on foot from the Kintetsu Kodo Station 8 minutes by bus from the Kintetsu Shintanabe Station 5 minutes by bus from the Kintetsu Miyamaki Station 10 minutes on foot from the JR Doshishamae Station</p> <p>(3) Conscience Education and Educational Philosophy: http://www.doshisha.ac.jp/en/information/history/educational_ideal.html Doshisha University has 142 years history and one of the most qualified private universities in Japan. The educational goal of Doshisha University is to foster people as “the nation’s conscience,” and “education of conscience (Ryoshin-kyoiku in Japanese)” has been the major principle of our education. What sets Doshisha, a private university, apart from many other universities in Japan, both private and public, is its strong belief in giving students an education based on conscience. The passion of the founder of Doshisha University, Jo Neesima, for education is encapsulated in the graven words on the memorial monument at the main campus gate, which read, “I earnestly desire that many young people filled with conscience will be raised and sent out by our school.” Doshisha University has been recently working on active educational reforms to respond to the needs of the time. With an emphasis on medical education, which was the founder’s ardent wish, we opened two new faculties at Kyotanabe Campus in April 2008, the Faculty of Life and Medical Sciences and the Faculty of Health & Sports Science, as well as reorganized the Faculty of Engineering as the Faculty of Science and Engineering. With these reforms, Kyotanabe and Gakkentoshi Campuses have become an educational and research center specializing in such areas including integrated humanities and sciences, life science, information, health science and advanced science, while Imadegawa Campus will focus on its role as an educational and research center for internationalism and liberal arts. There is no doubt that the mission of the university is transmission of academic knowledge and expertise. In addition to this, fostering humanity and developing personality are also important missions. Doshisha University is determined to continue to work hard at ever-improving its educational and research environments in order to fulfill its responsibilities and missions.</p>
12. Features of Graduate School	<p>The Graduate School of Science and Engineering consists of five majors: Information and Computer Science, Electrical and Electronic Engineering, Mechanical Engineering, Applied Chemistry, and Science of Environment and Mathematical Modeling.</p> <p>Each of these majors offers Master’s and Doctoral degree programs. Under the guidance of the</p>

	<p>faculty members with superior research achievement, students are able to engage in the most-advanced research activities utilizing top-level research facilities, such as one of the largest massively parallel evolution simulators in Japan, anechoic room, and MRI, etc. The major characteristic of the Graduate School is the active exchanges with the society and the promotion of internationalization. Along with the implementation of entrusted researches and collaborative projects sponsored by business enterprises, the Cooperative Graduate School System, which the students are able to receive research guidance by the researchers of private companies and public institutions, has been introduced. This enables the students to use the excellent outside research facilities that are difficult to be installed by university itself.</p> <p>As for the exchanges with foreign countries, in addition to the interuniversity partner institutions, the Graduate School of Science and Engineering has exchange programs with foreign institutions famous for science and engineering such as The Group of Ecoles Centrales, France and ESPCI-Paris Tech and the others.</p> <p>Also, the Graduate School of Science and Engineering has a Double Master degree system with Doshisha Business School for MOT (Management of Technology) education. Two master degrees, M.Sc/M.Eng and MBA, are given in the three-year course.</p>																												
13. Features and Curriculum of Program	<p>Students in 5 courses (Information and Computer Science, Electrical and Electronic Engineering, Mechanical Engineering, Applied Chemistry, and Science of Environment and Mathematical Modeling) above have to take total 30 credits in 2 years as follows:</p> <p>International Science and Technology Course (ISTC)</p> <p>Students should follow his/her supervisor's instructions and take courses according to the chart below.</p> <p>Chart of credits required (minimum) for completion of the Master's Program</p> <table><tr><th colspan="5">Elective subjects</th><th rowspan="3">Total</th></tr><tr><th colspan="3">A</th><th rowspan="2">B (Common General Subjects)</th></tr><tr><th colspan="3">I (Subjects of Specialized Fields)※</th></tr><tr><td></td><td>Experiment I ~IV</td><td></td><td>II (Common Core Subjects)</td><td></td></tr><tr><td rowspan="3">Credits</td><td>8</td><td>8 or more</td><td rowspan="3">6 or more</td><td rowspan="3">4 or more</td><td rowspan="3">30</td></tr><tr><td colspan="2">16 or more</td></tr><tr><td colspan="2">24 or more</td></tr></table> <p>Notes;</p> <p>1. Earn more than 8 credits from subjects for ISTC of your own department.</p> <p>2. Specified ones of A I subjects for ISTC of other than your own department can be counted.</p> <p>For ISTC subjects of Graduate School of Life and Medical Sciences, refer to their syllabus.</p> <p>3. Subjects of your own department other than ISTC (i.e. regular course subjects) can be counted.</p> <p>In case you register these subjects, please follow their each registration guide.</p>	Elective subjects					Total	A			B (Common General Subjects)	I (Subjects of Specialized Fields)※				Experiment I ~IV		II (Common Core Subjects)		Credits	8	8 or more	6 or more	4 or more	30	16 or more		24 or more	
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14. Academic Schedule	<p>ACADEMIC CALENDAR 2017-2018</p> <p>2017 FALL SEMESTER</p> <table><tr><td rowspan="3">September</td><td>21 (Thu)</td><td>Start of Fall Semester /Fall Semester Convocation Ceremony</td></tr><tr><td>22 (Fri)</td><td rowspan="2">Changes to course registration accepted</td></tr><tr><td>23 (Sat)</td></tr></table>	September	21 (Thu)	Start of Fall Semester /Fall Semester Convocation Ceremony	22 (Fri)	Changes to course registration accepted	23 (Sat)																						
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		25 (Mon)	Classes begin
	October	9 (Mon)	Health Sports Day (classes held as usual)
		31 (Tue)	Deadline for payment of Fall Semester fees
	November	3 (Fri)	Culture Day (classes held as usual)
		26 (Sun)	Doshisha Eve (no classes)
		27 (Mon)	
		28 (Tue)	
		29 (Wed)	Anniversary of Establishment (university holiday)
	December	23 (Sat)	Emperor's Birthday (classes held as usual) Substitute classes for Monday
		25 (Mon)	Christmas Day (university holiday) Winter Recess begins
	January, 2018	5 (Fri)	Winter Recess ends
		6 (Sat)	Classes recommence
		23 (Tue)	Founder's Day
		26 (Fri)	Last day of classes
		27 (Sat)	Final examinations begin
	February	12 (Mon)	Substitute classes (exam day)
		16 (Fri)	Final examinations end
	March	1 (Thu)	Fall Semester thesis assessment day
		20 (Tue)	Fall Semester Commencement / Ceremony for Bestowing Degrees
		21 (Wed)	
		22 (Thu)	
		24 (Sat)	Distribution of Grading Reports
		31 (Sat)	End of Fall Semester

15. Supporting service to International Students

International Students Support Center for Consulting or counseling about daily life, campus life, cross-cultural adjustment etc.	Students can consult a doctor (physical) at the Health Center and obtain mental health support at the Counseling Center (English-speaking staff available). We also process the applications and handle other formalities regarding the Medical Reimbursement Programs. Life Support Advisers are available to give advice and answer questions regarding students' academic and daily lives. The advisers offer support for life in Japan and understanding of Japanese society.
Provision of Student Dormitory	Accommodations close to the university will be available if they have vacant rooms.
Japanese Language Education Program for International Students	Students can attend Japanese Language Classes only after taking a placement examination in Doshisha.
Cultural Activities	Doshisha University (the Center for Japanese Language and Culture) offers various opportunities for cultural exchange between Japanese students and International students. http://www.doshisha.ac.jp/en/students/s_support/exchange.html Also, a variety of experience-based programs are operated by the Student Support Center. http://www.doshisha.ac.jp/en/students/s_support/extra_program/index.html
Any special attention to Religious Practice	We have halal foods in our cafeteria. We also have a couple of prayer rooms in our campus.
facilities (Library etc)	<p>There are following facilities at Doshisha University.</p> <ul style="list-style-type: none"> (1) Canteens and cafeteria (halal foods available) (2) Praying rooms or space (3) Dormitories (single room only) (4) Library <ul style="list-style-type: none"> Doshisha University have two main libraries housing over 700, 000 (Imadegawa) and 270, 000 (Kyotanabe) books. In addition, each department has own research library. Students can access a wide range of electronic resources on the library website, such as the online library catalog, e-journals, e-book and databases, and use them at no charge. (5) Student Health Centers <ul style="list-style-type: none"> Student Health Centers are located on both campuses to help maintain physical and mental health of students and to provide them with support. <p>Information environment Doshisha University maintains about 3,000 high-performance computers for student use in computer classrooms and open computer labs.</p>
Please state other particular supporting service you are endeavoring, if any.	Doshisha University offers various support services to help you settle into life in Japan smoothly: http://ois.doshisha.ac.jp/en/

16. Message to Prospective International Students	
Message from University	Please refer to the movies available through the internet at the following address: http://istc.doshisha.ac.jp/en/message/message.html
Voice of International Students	<p>“ I arrived to Japan in September 2014 to start my Master’s Degree program 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.”</p>