**Ritsumeikan University** 



**Graduate School of Information Science and** 

## Engineering

## Graduate School code: 44

## Web site: <u>http://www.ritsumei.ac.jp/gsise/eng/</u>

1. Graduate School code	44	
2. Maximum number of participants	4 Participants per year	
3. Fields of Study	<ul> <li>Environmental Science</li> <li>Natual Disaster/ Disaster Preve</li> <li>Economics</li> <li>Sociology</li> <li>Agriculture (incl. Fisheries)</li> <li>Others(</li> </ul>	□Education □Engineering
Sub Fields	Computer Science Course Human Information Science Course	
4. Program and Degree	Program	Graduate School of Information Science and Engineering International Program
	Degree	Master of Engineering
5. Standard time table (Years needed for graduation)	<ul> <li>2 years as a Master's Student</li> <li>Starting as a Research Student up to 6 months, then 2 years as a Master's Student after passing the entrance exam</li> <li>2 years as a Master's Student OR Starting as a Research Student up to 6 months, then 2 years as a Master's Student after passing the exam. (Depend on the capacity of the applicants)</li> </ul>	
6. Language of Program	<ul> <li>(3) Laboratory work: The super</li> <li>(4) Seminar: Seminar in Englishing students are held in Jac</li> <li>international students can in Support for international students to import</li> </ul>	nducted in English. English for lectures in English. ervisor gives guidance in English for research. ish is possible. Some seminars including Japanese apanese, but there are many occasions where interact in seminars in English. idents: Supplementary lectures and tutorials for prove English skills are prepared. For example, per Writing, English Presentation, etc.
7. Desirable English level and Necessary Academic background	Linguistic Ability	<ul> <li>(1) Desirable English level:</li> <li>TOEIC® LISTENING &amp; READING TEST score</li> <li>730 or above is desirable.</li> <li>Applicants have to submit a grade certificate</li> <li>from an English Language Proficiency Test.</li> <li>(Score reports must be from one of the</li> <li>following: TOEIC® LISTENING &amp; READING</li> <li>TEST, TOEFL®-iBT, TOEFL®-PBT,</li> <li>TOEFL®-CBT, or IELTS TM. Copies are</li> <li>acceptable). Applicants who cannot submit a</li> <li>score certificate described above, an original</li> </ul>

		formal certificate of English language ability issued by their current university. (2) Necessary Academic background: Applicant must have completed a 16-year education program outside Japan or be expected to complete such a program before being enrolled in the graduate school.	
	EJU, IELTS, GRE or el	se	
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	Not mandatory E-mail Address for inquirie	es: gsise@st.ritsumei.ac.jp	
	(1) Graduate School of Information Science and Engineering		
	http://www.ritsumei.ac.jp/	<u> </u>	
9. Website	(2) Ritsumeikan Universi http://en.ritsumei.ac.jp/	ity	
		iries to the International Center at BKC	
	(3) Please direct all inquiries to the International Center at BKC cger-bkc@st.ritsumei.ac.jp		
	Name	Research Subject, Contact (e-mail), Special message for the Future students	
	Master's Program -Computer Science Course-		
	UEHARA, Tetsutaro		
	OHNISHI, Atsushi	Requirements Engineering, Software Design Techniques	
10.Professors and Associated	OCHI, Hiroyuki	VLSI System Design and its Design Methodology	
	KITAMURA,Yoshinobu	Semantics-based Knowledge Support Systems	
	KUNIEDA, Yoshitoshi	High Perfomance Computing, High Reliability, High Availability System Software and Application Software	
	Victor KRYSSANOV	Non-verbal communication and multimodal information systems; Affective computing, Biosignal analysis and applications; Advanced human interface; Artificial human; Social network analysis and applications; Social phenomena (including culture and art) simulation and modeling.	
Professors	KUWABARA, Kazuhiro	Research on Web Collaboration,Conversational Agents,and Group Formation	
	SHIBATA, Fumihisa	Research for Enhanced Information Space Using Mobile Devices	
	SHIMAKAWA,Hiromitsu	Lifestyle / Community Services Created by Analyzing Lifelogs	
	TAKADA, Hideyuki	Creating Distributed Computing Environments to Support Coordinated Activities	
	NAKATANI, Yoshio	Cognitive Engineering to Support Disaster Mitigation, Traffic, and Daily Activities	
	NISHIO, Nobuhiko	Integration of Real World with Information Space	
	NISHIMURA, Toshikazu	Developing Cooperative Distributed Systems on Large-Scale Networks	
	NOGUCHI,Taku	Research for Advanced Network Technologies integrating Mobile Wireless Devices into the Internet	

	Designing Human Society based on Multi-Agent
HATTORI,Hiromitsu	Systems
MAEDA, Tadahiko	Developing Intelligent Wireless Communication Systems and New Wireless Spectrum Resources
MARUYAMA, Katsuhisa	Next-generation Software Development Environments
MURAO, Kazuya	Sensor Data Processing and Human Computer Interfaces for Mobile, Ubiquitous, Wearable Computing
MOURI, Koichi	Aiming for a Software Revolution Using Cutting-Edge System Software
YAMASHITA,Shigeru	New Computing Paradigm and It's Design Methodology
YAMAMOTO,Hiroshi	Research and Development of Innovative Network Systems utilizing Internet-based Technology
LEE, Jooho	Integration of Space and Advancing Technology: Creating Intelligent Space
Master's Program -Huma	n Information Course
KAMEI, Katsuari	Intelligent Systems that Model Human Sensibilities
KITANO, Katsunori	Elucidating Brain Information Processing Mechanisms Using Mathematical Methods
KIMURA, Asako	Mixed Reality and Human Interfaces Technology for Next Generation
Eric W. COOPER	Affective Engineering, Artificial Intelligence, Computer Art Research
Igor GONCHARENKO	Digital Human Body/Hand Modeling; 3D CG and VR Algorithms and Methods for Healthcare Applications, Ergonomics and Beauty services; Virtual Surgery and Virtual Nursing; Human Motion Analysis and Prediction by Sensory Data
SHINODA, Hiroyuki	Research into Human Visual Information Processing and Color Engineering Using Psychophysics
Mikhail SVININ	Robot Dynamics, Motion Planning and Motion Intelligence, Human Movements, Biological Motor Control
SHIMADA, Nobutaka	Developing Interfaces and Robots Supporting Human Life by Interactive Intelligence
Ruck THAWONMAS	Intelligent Techniques for Increasing the Entertainment Value of Computer Games
TANAKA, Satoshi	3D CG and Visualization and their Application to Frontier Sciences
TANIGUCHI, Tadahiro	Adaptive Intelligence of Human and Society from the View of Emergent System
CHEN, Yen-Wei	Intelligent Image Processing, Image Understanding and Image Recognition
TSUBO,Yasuhiro	Understanding the key mechanism of neural information processing and development of methods for measuring and analyzing neuronal data
	MARUYAMA, Katsuhisa MURAO, Kazuya MOURI, Koichi YAMASHITA,Shigeru YAMAMOTO,Hiroshi LEE, Jooho Master's Program -Huma KAMEI, Katsuari KITANO, Katsunori KIMURA, Asako Eric W. COOPER Igor GONCHARENKO SHINODA, Hiroyuki SHINODA, Hiroyuki Mikhail SVININ SHIMADA, Nobutaka Ruck THAWONMAS TANAKA, Satoshi TANIGUCHI, Tadahiro CHEN, Yen-Wei

		3D CG and Visualization and their Application to Frontier
	NAKATA, Susumu	Sciences
	NISHIURA, Takanobu	R&D Into the Analysis, Understanding, Reproduction and Synthesis of Acoustic Sound Environments
	NISHIKAWA, Ikuko	Development and Application of Computational Intelligence
	NISHIHARA, Yoko	Interaction Design Among Humans and Information
	NOMA, Haruo	We apply media technology to solve our social and personal problem.
	HIRABAYASHI, Akira	Research and Development of Sensing Technology, Image Processing and Shape Modeling
	FUKUMOTO, Junichi	Natural Language Processing
	MAEDA, Akira	Information Access Technology for Digital Libraries
	MITSUDA, Takashi	Emotion, Perception and Motor Control
	YAMASHITA, Yoichi	Interface Technology Using Speech and Audio Signal
	WADA, Takahiro	Human Modeling and Its Application to Design and Control of Advanced Human Machine System/Robot Control
	1869 by Prince Kinne modern Japan and ac Saionji's protégé Kojuro Kyoto Hosei School, an With Saionji's blessing, Private University in 19 Kyoto, as well as at the and the recently opened home to over 35,000 stu <i>Peace and Democracy</i> . Ritsumeikan is working	begins with its establishment as a private academy in ochi Saionji, an eminent international statesman of dvocate of Freedom and Internationalism. In 1900, o Nakagawa retained Saionji's spirit and established the a evening law school that was open to working people. , the name of this school was changed to Ritsumeikan 913. At present, the Kinugasa and Suzaku campuses in e Biwako Kusatsu Campus (BKC) in Shiga prefecture, d Osaka Ibaraki Campus (OIC) in Osaka, combined, are idents learning under the core educational philosophy of In order to nurture just and ethical global citizens, g to foster creativity and the development of individual ation of academic achievement.
11. Features of University	<ul> <li>Research Advancement:</li> <li>Recognizing that contemporary issues extend beyond existing fields of research, Ritsumeikan University is actively engaged in producing world-class research and fostering researchers who have the skills to succeed on the world stage. Through multidisciplinary cooperation, a number of RU research projects have been selected as part of the Global COE and 21<sup>st</sup> Century COE programs, and we work daily to strengthen our network of researchers both in Japan and overseas.</li> <li>Achievements:</li> <li>Ritsumeikan University has been selected as a designated institution of the "Top Global University Project" by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan. The ministry-appointed panel of experts selected 37 institutions among 104 applicants and these institutions hold the status as of October 1<sup>st</sup>, 2014, to the end of fiscal 2023. The "Top Global University Project" has been established as a way to give</li> </ul>	

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	financial support to 37 public and private universities aiming to promote comprehensive internationalization and become world-class research and education institutions. With our selection for this prestigious project, Ritsumeikan University will serve as a model for globalized schools. Additionally, Ritsumeikan University has had 7 approaches adopted by the		
	Monbukagakusho's Support Program f		
	Practice, 4 fields adopted for "The 21 <sup>st</sup> Century COE Program", and 3 centers adopted by "The Global COE Program".		
	Research Website: <u>http://www.ritsumei.a</u>		
	The Graduate School of Information Science and Engineering aims at fostering		
	researchers and engineers who can combine theory and practice in IT and		
	engineering. Students can study in fields ra		
	basic technologies to leading edge IT and i		
	students develop creative thinking skills as	well as advanced specializations in	
	order to promote research.	at goola, our mostor's program sime at	
12. Features of Graduate	Based on our human resource developmer fostering individuals who:	it goals, our master's program aims at	
School	(1) Possess specific knowledge and resear	rch canabilities in natural sciences or	
School	other specialized field.	ich capabilities in natural sciences of	
	(2) Possess analytical writing, presentation	and communication skills	
	(3) Possess the ability to frame problems and formulate solutions in their fields in order to become conscientious researchers or engineers who can solve problems		
	in advanced information society.		
	(4) Possess the global perspective and cross-cultural understanding in order to		
	work effectively at the international level.		
	Computer Science Course/Human	Enrollment	
	Information Course	Deciding the Subject of Research and Narrowing Down the Assignment	
	Advanced Topics in Global Software	Narrowing Down the Assignment	
	Engineering	1st Semester Planning of Research Plan	
	Advanced Topics in Computer Science	Ist Year Student	
	Advanced Topics in Communication	Deciding the Temporary Deputy Exminer	
	Science	2nd Semester Workshop to Present the Concept of Master's Thesis	
13.Features and Curriculum	Advanced Topics in Human Factors for	Summary of the Fiscal Result of Research	
of Program	Systems Engineering		
of r rogram	Advanced Topics in Entertainment	Confirming the Goal Set During the Ist Year and Plan a Response Based on the Evalution Result	
	Computing	3rd Semester Promote Research	
	Advanced Topics in Image Analysis and	Workshop to Present the Midterm of Add Year	
	Machine Learning	Student Write the Master's Thesis and Apply for Master's Degree	
	Advanced Topics in Image Processing	4th Semester Deciding the Chief and Deputy Examiner	
	Advanced Topics in Artificial Intelligence	Defense and Degree Judge	
	Research for Master in Information	Completion	
	Science and Engineering 1-4	Compression	
14. Academic Schedule	<reference: 2017="" ay=""></reference:>		
	4/1 Spring Semester Begins		
	4/2Spring Entrance Cerem4/1~4/5Graduate Student Orien	-	
14. Academic Schedule	4/6Spring Semester Classe7/31Spring Semester Classe	-	
	1 0		
	l l		
	Summer Intensive Cour	rses End, Spring Semester Ends	

<	<reference: 2017="" ay=""></reference:>	
9.	25 Fall Entrance Ceremony	
9.	Fall Semester Begins, Fall Semester Classes Begin	
1	2/26 Winter Break Begins	
1.	4 Winter Break Ends	
1.	5 Fall Semester Classes Recommence	
1.	/31 Fall Semester Classes End	
2	1 Spring Break Begins	
3.	22 Graduation Ceremony (Biwako Kusatsu Campus)	
3.	Fall Semester Ends, Spring Break Ends	
15. Supporting service to Intern	ational Students	
International Students Support		
Center for Consulting or	Professional counseling is available in English or Japanese Monday-Friday.	
counseling about daily life,	Currently in the International Center at BKC, we have 10 full-time staff	
campus life, cross-cultural	dedicated to assisting international students, including I native English	
adjustment etc.	speaker and 1 native Chinese speaker.	
	153 single occupancy rooms are available in our new international student	
	dormitory, the BKC International House, constructed in Sept 2012, adjacent	
	to the BKC Campus.	
	Rooms are furnished with: bed, desk, chair, internet connection, toilet,	
	sink, refrigerator, and air conditioner. (*Showers in some rooms)	
	Common areas include: kitchens, showers, coin laundry, study rooms, lobby,	
	and vending machines.	
	The dormitory features 24-hour English-speaking managers, as well as	
Provision of Student Dormitory	student Resident Mentors living on each floor, ensuring that even students	
	coming to Japan for the first time can enjoy a worry-free start to their life in	
	Japan.	
	*It is possible for the University Cooperative's real estate agency to offer	
	English-language assistance to students who wish to seek alternate	
	accommodation in the local area.	
	International Student Dormitory (BKC International House) Website:	
	http://en.ritsumei.ac.jp/lifecareer/dorm/bkc/	
	Ritsumeikan University is establishing the JICA English Program for JICA	
Innonoso I or more Thirty (	students to improve applied English ability at the graduate student level.	
Japanese Language Education	Additionally the university strongly encourages JUCA students to enroll in 1	
Program for International	the JICA Support for Daily Conversation in Japanese, which the university	
Students	intends to establish so that students can adapt smoothly to life in Japan by	
	learning basic conversation skills and hiragana/katakana.	
	We are planning to conduct programs such as the JICA Company Visit	
Culturel Activities	Program* and Kyoto Cultural Understanding Program* to better meet the	
Cultural Activities	needs of JICA students.	
	*Final program name to be determined.	
	Among 7 dining locations on BKC campus exist cafeterias that provide halal	
Any special attention to	food and vegetarian options in an effort to better provide a campus that is	
Religious Practice	prepared to meet the dietary needs of its international population.	
-	Moreover, we also provide a room that students can use for prayer.	

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	Library Services :
	BKC is home to two academic information facilities. Academic literature
	related to science and engineering is found in the Media Center, whereas
	information related to economics and business administration is found in
	the Media Library. Both of these facilities are available to students
	regardless of the research departments to which they belong.
	*Ritsumeikan University, as a whole, has a collection of 3,131,197 books
	(Japanese: 2,272,773; Foreign language: 979,398) (as of March 2017).
	*Students may also borrow materials from libraries on other campuses
	using our electronic library services system.
	Library Website: <u>http://www.ritsumei.ac.jp/library/eng/</u>
	Multi-Media Room :
	BKC has three Multimedia Rooms on campus with a total of 464 computers
	available for use. We provide this environment to facilitate the learning and
	review of class materials, the creation of reports, class registration, E-mail,
	and other educational research activities. Moreover, there are on-site staff
facilities (Library etc)	who work to assist computer users during operating hours.
	International Exchange Lounge :
	We have set up the lounge as an open area for international exchange
	where international students can interact with Japanese students and
	among themselves. Located adjacent to the International Center, the lounge
	allows students to quickly access information about student support and
	events targeted at international students and international exchange.
	Moreover, there are a variety of learning materials and media such as
	language textbooks and English language newspapers.
	Training Room :
	In order to support students from a health perspective, our campus has a
	training room with the equipment necessary for a healthy workout. Here,
	we have trainers residing nearby and students can use the gym facilities
	free of charge. Further, a new facility called the Sports and Health
	Commons, housing both indoor and outdoor pools, a large gymnasium, other
	sports facilities and a café opened in the fall of 2016, giving students plenty
	of opportunity to get in a great workout.
Please state other particular	Please refer to the Website for details:
supporting service you are	http://en.ritsumei.ac.jp/lifecareer/student-support/
endeavoring, if any.	nttp://en.ritsumer.ac.jp/mecareer/student_support/
16. Message to Prospective Intern	national Students
	Ritsumeikan University is working to promote internationalization of its
	education and research while concurrently reaching out to recruit
	international students from a wide variety of nationalities and
	backgrounds.
	We believe that a diverse international student body, comprised of a
	variety of ethnicities as well as historical and cultural backgrounds, is
Message from University	necessary to promote intercultural understanding and for a university to
	achieve and exceed international standards in education.
	At present, Ritsumeikan University is host to 1,890 international students

At present, Ritsumeikan University is host to 1,890 international students from 67 countries and regions from across Asia as well as the Americas, Europe, Oceania, and Africa (as of May 1st, 2017).

We work hard to provide support mechanisms for international students, such as offering a special Japanese language and Japanese studies

	curriculum alongside the standard courses and providing financial support, including an independent scholarship system. We also conduct a number of annual exchange events each year to give our international students the opportunity to make the most of their experience here at Ritsumeikan University.
	We look forward to you coming to join us!
	Please see the website below:
	http://en.ritsumei.ac.jp/profile/
Voice of International Students	Please see the website below: <u>http://www.ritsumei.ac.jp/gsise/eng/life/voice.html/</u>