

International Science and Technology Course,
Graduate School of Life and Medical Sciences

Subjects

Research Subjects (Compulsory Subjects)								
Major	Code	Class	Subject	Credits	Professor	Remarks	Semester	Day/Period
Biomedical Engineering and Biomedical Information	31425011		Research and Experiments in Biomedical Sciences and Informatics I (E)	2		Available	Fall	Intensive
	31425011		Research and Experiments in Biomedical Sciences and Informatics I (E)	2		Available	Fall	Intensive
	31425012	001	Research and Experiments in Biomedical Sciences and Informatics II (E)	2	Shizuko Hiryu	Available	Spring	Intensive
	31425012		Research and Experiments in Biomedical Sciences and Informatics II (E)	2		Available	Spring	Intensive
	31425013	001	Research and Experiments in Biomedical Sciences and Informatics III (E)	2	Shizuko Hiryu	Available	Fall	Intensive
	31425013		Research and Experiments in Biomedical Sciences and Informatics III (E)	2		Available	Fall	Intensive
	31425014		Research and Experiments in Biomedical Sciences and Informatics IV (E)	2		Available	Spring	Intensive
	31425014		Research and Experiments in Biomedical Sciences and Informatics IV (E)	2		Available	Spring	Intensive
Medical Life Systems	31425014		Research and Experiments in Biomedical Sciences and Informatics IV (E)	2		Available	Fall	Intensive
	31400099		Thesis	-		Available		
	31425005		Research and Experiments in Medical Life Systems I (E)	2		Available	Fall	Intensive
	31425005		Research and Experiments in Medical Life Systems I (E)	2		Available	Spring	Intensive
	31425006		Research and Experiments in Medical Life Systems II (E)	2		Available	Fall	Intensive
	31425006		Research and Experiments in Medical Life Systems II (E)	2		Available	Spring	Intensive
	31425007		Research and Experiments in Medical Life Systems III (E)	2		Available	Fall	Intensive
31425008		Research and Experiments in Medical Life Systems IV (E)	2		Available	Spring	Intensive	
31400099		Thesis	-		Available			

Category I, Group A (Courses of Specialized Fields)								
Major	Code	Class	Subject	Credits	Professor	Remarks	Semester	Day/Period
Biomedical Engineering and Biomedical Information	31425106		Advanced Lectures in Ultrasonic Electronics (E)	2	Iwaki Akiyama	Available	Spring	Intensive
	31425107		Advanced Organic Chemistry (E)	2	Tetsuo Ohta	Available	Spring	Intensive
	31425108		Advanced Theory for Medical Imaging System (E)	2	Iwaki Akiyama	Available	Fall	Intensive
	31425109		Advanced Lectures in Evolutionary Computation (E)	2	-	-	-	Intensive
	31425114		Advanced Practice in Special Project A (E)	2	-	-	-	Intensive
	31425117		Advanced Physical Science of Life (E)	2	-	-	-	Intensive
	31425118		Advanced Biosensing Engineering (E)	2	Shizuko Hiryu	Available	Spring	Intensive
31425119		Advanced Lectures in Applied Chemistry (E)	2	Yohei Oe	Available	Fall	Intensive	
Medical Life Systems	31425110		Advanced Lectures in Neuroanatomical and Neurophysiological Basis of Neurologic Diseases (E)	2	Masaya Ikegawa, Hiroaki Misonou	Available	Spring	Intensive
	31425111		Advanced Lectures in Systems Biological Sciences in Diseases (E)	2	Akira Kobayashi, Keizo Nishikawa	Available	Spring	Intensive
	31425112		Advanced Lectures in History of Japanese Medicine (E)	2	Keiko Iwaisako, Yoshikazu Yonei, Hiroshi Ichikawa	Available	Spring	Intensive
	31425113		Advanced Lectures in Molecular Pharmacology and Cellular Signaling (E)	2	Kiyotaka Nishikawa, Satoru Funamoto	Available	Spring	Intensive
	31425251		Advanced Lectures in Special Topics(E)	2	-	-	-	Intensive

Category II, Group A (Common Core Subjects)								
Major	Code	Class	Subject	Credits	Professor	Remarks	Semester	Day/Period
All	31425201		Biology (E)	2	Masaya Ikegawa	Available	Fall	Fri/4
	31405202		Computation Structure (E)	2	Hirohide Haga	Available	Spring	Internet
	31405203		Electric Circuit Theory (E)	2	Hiroyuki Toda	Available	Fall	Wed/2
	31405204		Nonlinear Physics (E)	2	Masanori Takaoka	Available	Spring	Mon/4
	31405205		Materials Chemistry (E)	2	Akiko Nomura	Available	Spring	Mon/2
	31405206		Applied Mathematical Analysis (E)	2	Naoshi Nishimura	Available	Fall	Tue/3
	31425207		Neuroscience (E)	2	Kota Kobayashi	Available	Spring	Fri/2

Group B (Common General Courses)								
Major	Code	Class	Subject	Credits	Professor	Remarks	Semester	Day/Period
All	31405301		Ethics for Scientists and Engineers (E)	2	Philip Tromovitch	Available	Spring	Thu/4
	31405302		Technology and Business Project Management (E)	2	Makoto Sarata	Available	Spring	Tue/3・4
	31405303	001	Science and Engineering Writing 1 (E)	2	Philip Tromovitch	Available	Spring	Wed/3
	31405303	002	Science and Engineering Writing 1 (E)	2	Philip Tromovitch	Available	Fall	Wed/3
	31405304	001	Science and Engineering Writing 2 (E)	2	Philip Tromovitch	Available	Spring	Thu/3
	31405304	002	Science and Engineering Writing 2 (E)	2	Philip Tromovitch	Available	Fall	Thu/4
	31405305		Presentation Skills for Scientists and Engineers (E)	1	Philip Tromovitch	Available	Fall	Thu/3
	31405306		R & D Planning for Scientists and Engineers (E)	2	CAMILLE-FAITH PASCUA ROMERO	Available	Fall	Thu/2
31405307		Japanese Corporate Culture (E)	2	Makoto Sarata	Available	Fall	Tue/3・4	

Open class(Graduate School of Science and Engineering)								
Major	Code	Class	Subject	Credits	Professor	Remarks	Semester	Day/Period
Science and Engineering	31610040		Advanced Nature-Inspired Computing	2	IVAN TANEV	Available	Fall	Thu/2

CREDIT REQUIREMENT

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

			<i>Credit Requirement</i>
Compulsory Subjects	Research and Experiments in Biomedical Information I ~IV or Research and Experiments in Medical Life Systems I ~IV	8	
Elective Subjects	Category I, Group A	8 or more	*All credits from other courses are counted in this category.
	Category II, Group A	6 or more (counted up to 8 as credits)	
	Group B	4 or more (counted up to 6 as credits)	
	SUBTOTAL of CREDITS	22 or more	
GRAND TOTAL of CREDITS			30 or more + Thesis ※Students are required to submit thesis to complete the program.