

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification	
S C I E N C E A N D T C H N O L O G Y	ST	1 GENERAL EDUCATION COURSE	11 Series X (Humanities) Art	
			12 Series X (Humanities) History	
			13 Series X (Humanities) Literature	
			14 Series X (Humanities) Area Studies	
			15 Series X (Humanities) Philosophy, Logic, and Ethics	
			16 Series X (Humanities) Linguistics	
			21 Series X (Social Sciences) Social Sciences	
			22 Series X (Social Sciences) Law/Political Science	
			23 Series X (Social Sciences) Natural Sciences	
			31 Series X (Interdisciplinary) Skills in the Liberal Arts	
			32 Series X (Interdisciplinary) Small-Group Seminar	
			41 Series Y (Natural Sciences/Seminar/Other) Natural Sciences	
			42 Series Y (Natural Sciences/Seminar/Other) Small-Group Seminar	
			51 Yagami Courses Art	
			52 Yagami Courses Philosophy, Logic, and Ethics	
			53 Yagami Courses Linguistics	
			54 Yagami Courses Social Sciences	
			55 Yagami Courses Law/Political Science	
			56 Yagami Courses Natural Sciences	
			57 Yagami Courses Small-Group Seminar	
			2 LANGUAGE	10 English Required Subject
				11 English Series Y
				12 English Yagami Courses
				20 German Required Subject
				21 German Series Y
				22 German Yagami Courses
				30 French Required Subject
				31 French Series Y
		32 French Yagami Courses		
		40 Russian Required Subject		
		41 Russian Series Y		
		42 Russian Yagami Courses		
		50 Chinese Required Subject		
		51 Chinese Series Y		
		3 FOUNDATIONAL COURSE	52 Chinese Yagami Courses	
			60 Korean Required Subject	
			61 Korean Series Y	
			62 Korean Yagami Courses	
			70 Other Languages Required Subject	
			71 Other Languages Series Y	
			72 Other Languages Yagami Courses	
			10 Laboratory in Science	
		20 Mathematics 1A - 4B		
		30 Physics A - D		
		40 Chemistry A - D		
		50 Introduction to Biology		
		60 Introduction to Informatics		
		70 Introduction to Science and Technology		

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification	
S C I E N C E A N D T C H N O L O G Y	ME	4	01 General Science and Technology and Mechanical Engineering Learning Level 1	
			02 General Science and Technology and Mechanical Engineering Learning Level 2	
			03 General Science and Technology and Mechanical Engineering Learning Level 3	
			04 General Science and Technology and Mechanical Engineering Learning Level 4	
			05 General Science and Technology and Mechanical Engineering Learning Level 5	
			11 Mathematics Learning Level 1	
			12 Mathematics Learning Level 2	
			13 Mathematics Learning Level 3	
			14 Mathematics Learning Level 4	
			15 Mathematics Learning Level 5	
			21 Physics Learning Level 1	
			22 Physics Learning Level 2	
			23 Physics Learning Level 3	
			24 Physics Learning Level 4	
			25 Physics Learning Level 5	
			31 Engineering Materials/Strength of Materials Learning Level 1	
			32 Engineering Materials/Strength of Materials Learning Level 2	
			33 Engineering Materials/Strength of Materials Learning Level 3	
			34 Engineering Materials/Strength of Materials Learning Level 4	
			35 Engineering Materials/Strength of Materials Learning Level 5	
			41 Dynamics of Machines Learning Level 1	
			42 Dynamics of Machines Learning Level 2	
			43 Dynamics of Machines Learning Level 3	
			44 Dynamics of Machines Learning Level 4	
			45 Dynamics of Machines Learning Level 5	
			51 Thermodynamics Learning Level 1	
			52 Thermodynamics Learning Level 2	
			53 Thermodynamics Learning Level 3	
			54 Thermodynamics Learning Level 4	
			55 Thermodynamics Learning Level 5	
			61 Fluid Mechanics Learning Level 1	
			62 Fluid Mechanics Learning Level 2	
			63 Fluid Mechanics Learning Level 3	
			64 Fluid Mechanics Learning Level 4	
			65 Fluid Mechanics Learning Level 5	
			71 Design and Materials Processing Learning Level 1	
			72 Design and Materials Processing Learning Level 2	
			73 Design and Materials Processing Learning Level 3	
			74 Design and Materials Processing Learning Level 4	
			75 Design and Materials Processing Learning Level 5	
			81 Computational Mechanics Learning Level 1	
			82 Computational Mechanics Learning Level 2	
			83 Computational Mechanics Learning Level 3	
			84 Computational Mechanics Learning Level 4	
			85 Computational Mechanics Learning Level 5	
		91 Applied Physics and Engineering Learning Level 1		
		92 Applied Physics and Engineering Learning Level 2		
		93 Applied Physics and Engineering Learning Level 3		
		94 Applied Physics and Engineering Learning Level 4		
		95 Applied Physics and Engineering Learning Level 5		
		5	MECHANICAL ENGINEERING	01 General Science and Technology and Mechanical Engineering Learning Level 1
				02 General Science and Technology and Mechanical Engineering Learning Level 2
				03 General Science and Technology and Mechanical Engineering Learning Level 3
				04 General Science and Technology and Mechanical Engineering Learning Level 4
				05 General Science and Technology and Mechanical Engineering Learning Level 5
				11 Mathematics Learning Level 1
				12 Mathematics Learning Level 2
				13 Mathematics Learning Level 3
				14 Mathematics Learning Level 4
				15 Mathematics Learning Level 5
				21 Physics Learning Level 1
				22 Physics Learning Level 2
				23 Physics Learning Level 3
				24 Physics Learning Level 4
				25 Physics Learning Level 5
				31 Engineering Materials/Strength of Materials Learning Level 1
				32 Engineering Materials/Strength of Materials Learning Level 2
				33 Engineering Materials/Strength of Materials Learning Level 3
				34 Engineering Materials/Strength of Materials Learning Level 4
				35 Engineering Materials/Strength of Materials Learning Level 5
				41 Dynamics of Machines Learning Level 1
				42 Dynamics of Machines Learning Level 2
				43 Dynamics of Machines Learning Level 3
				44 Dynamics of Machines Learning Level 4
				45 Dynamics of Machines Learning Level 5
				51 Thermodynamics Learning Level 1
				52 Thermodynamics Learning Level 2
				53 Thermodynamics Learning Level 3
				54 Thermodynamics Learning Level 4
				55 Thermodynamics Learning Level 5
				61 Fluid Mechanics Learning Level 1
				62 Fluid Mechanics Learning Level 2
				63 Fluid Mechanics Learning Level 3
				64 Fluid Mechanics Learning Level 4
				65 Fluid Mechanics Learning Level 5
				71 Design and Materials Processing Learning Level 1
				72 Design and Materials Processing Learning Level 2
				73 Design and Materials Processing Learning Level 3
				74 Design and Materials Processing Learning Level 4
				75 Design and Materials Processing Learning Level 5
				81 Computational Mechanics Learning Level 1
				82 Computational Mechanics Learning Level 2
				83 Computational Mechanics Learning Level 3
				84 Computational Mechanics Learning Level 4
				85 Computational Mechanics Learning Level 5
91 Applied Physics and Engineering Learning Level 1				
92 Applied Physics and Engineering Learning Level 2				
93 Applied Physics and Engineering Learning Level 3				
94 Applied Physics and Engineering Learning Level 4				
95 Applied Physics and Engineering Learning Level 5				

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification							
S C I E N C E A N D T C H N O L O G Y	FST	EE	ELECTRONICS AND ELECTRICAL ENGINEERING	4	BASIC MAJOR COURSES	01	General Science and Technology, Electronic Data Engineering Learning Level 1			
						02	General Science and Technology, Electronic Data Engineering Learning Level 2			
						03	General Science and Technology, Electronic Data Engineering Learning Level 3			
						04	General Science and Technology, Electronic Data Engineering Learning Level 4			
						05	General Science and Technology, Electronic Data Engineering Learning Level 5			
						11	Electrical Engineering Learning Level 1			
						12	Electrical Engineering Learning Level 2			
						13	Electrical Engineering Learning Level 3			
						14	Electrical Engineering Learning Level 4			
						15	Electrical Engineering Learning Level 5			
						21	Mathematics Learning Level 1			
						22	Mathematics Learning Level 2			
						23	Mathematics Learning Level 3			
						24	Mathematics Learning Level 4			
						25	Mathematics Learning Level 5			
						31	Physics Learning Level 1			
						32	Physics Learning Level 2			
						33	Physics Learning Level 3			
						34	Physics Learning Level 4			
						35	Physics Learning Level 5			
						41	Materials Engineering/Electronics Learning Level 1			
						42	Materials Engineering/Electronics Learning Level 2			
						43	Materials Engineering/Electronics Learning Level 3			
						44	Materials Engineering/Electronics Learning Level 4			
						45	Materials Engineering/Electronics Learning Level 5			
						51	Information Engineering Learning Level 1			
						52	Information Engineering Learning Level 2			
						53	Information Engineering Learning Level 3			
						54	Information Engineering Learning Level 4			
						55	Information Engineering Learning Level 5			
						61	Photonics Learning Level 1			
						62	Photonics Learning Level 2			
						63	Photonics Learning Level 3			
						64	Photonics Learning Level 4			
						65	Photonics Learning Level 5			
						71	Circuits/Lsi Learning Level 1			
						72	Circuits/Lsi Learning Level 2			
						73	Circuits/Lsi Learning Level 3			
						74	Circuits/Lsi Learning Level 4			
						75	Circuits/Lsi Learning Level 5			
						81	Programming Learning Level 1			
						82	Programming Learning Level 2			
						83	Programming Learning Level 3			
						84	Programming Learning Level 4			
						85	Programming Learning Level 5			
						5	5	ADVANCED MAJOR COURSES	01	General Science and Technology, Electronic Data Engineering Learning Level 1
									02	General Science and Technology, Electronic Data Engineering Learning Level 2
									03	General Science and Technology, Electronic Data Engineering Learning Level 3
									04	General Science and Technology, Electronic Data Engineering Learning Level 4
									05	General Science and Technology, Electronic Data Engineering Learning Level 5
		11	Electrical Engineering Learning Level 1							
		12	Electrical Engineering Learning Level 2							
		13	Electrical Engineering Learning Level 3							
		14	Electrical Engineering Learning Level 4							
		15	Electrical Engineering Learning Level 5							
		21	Mathematics Learning Level 1							
		22	Mathematics Learning Level 2							
		23	Mathematics Learning Level 3							
		24	Mathematics Learning Level 4							
		25	Mathematics Learning Level 5							
		31	Physics Learning Level 1							
		32	Physics Learning Level 2							
		33	Physics Learning Level 3							
		34	Physics Learning Level 4							
		35	Physics Learning Level 5							
		41	Materials Engineering/Electronics Learning Level 1							
		42	Materials Engineering/Electronics Learning Level 2							
		43	Materials Engineering/Electronics Learning Level 3							
		44	Materials Engineering/Electronics Learning Level 4							
		45	Materials Engineering/Electronics Learning Level 5							
		51	Information Engineering Learning Level 1							
		52	Information Engineering Learning Level 2							
		53	Information Engineering Learning Level 3							
		54	Information Engineering Learning Level 4							
		55	Information Engineering Learning Level 5							
		61	Photonics Learning Level 1							
		62	Photonics Learning Level 2							
		63	Photonics Learning Level 3							
		64	Photonics Learning Level 4							
		65	Photonics Learning Level 5							
		71	Circuits/Lsi Learning Level 1							
		72	Circuits/Lsi Learning Level 2							
		73	Circuits/Lsi Learning Level 3							
		74	Circuits/Lsi Learning Level 4							
		75	Circuits/Lsi Learning Level 5							
		81	Programming Learning Level 1							
		82	Programming Learning Level 2							
		83	Programming Learning Level 3							
		84	Programming Learning Level 4							
		85	Programming Learning Level 5							

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification					
S C I E N C E A N D T C H N O L O G Y	AC	4	BASIC MAJOR COURSES	10	Applied Chemistry Basic Education Required Subject Course Categories Experiment and Practical Training Course			
				11	Applied Chemistry Basic Education Required Subject Course Categories Common Lecture Courses			
				12	Applied Chemistry Basic Education Required Subject Course Categories Material Design			
				13	Applied Chemistry Basic Education Required Subject Course Categories Environment/Analysis/Chemical Engineering			
				14	Applied Chemistry Basic Education Required Subject Course Categories Organic Science			
				15	Applied Chemistry Basic Education Required Subject Course Categories Bioscience and High Polymers			
				20	Applied Chemistry Basic Education Elective Subject Course Categories Experiment and Practical Training Course			
				21	Applied Chemistry Basic Education Elective Subject Course Categories Common Lecture Courses			
				22	Applied Chemistry Basic Education Elective Subject Course Categories Material Design			
				23	Applied Chemistry Basic Education Elective Subject Course Categories Environment/Analysis/Chemical Engineering			
				24	Applied Chemistry Basic Education Elective Subject Course Categories Organic Science			
				25	Applied Chemistry Basic Education Elective Subject Course Categories Bioscience and High Polymers			
				30	Applied Chemistry Elective Course Categories Experiment and Practical Training Course			
				31	Applied Chemistry Elective Course Categories Common Lecture Courses			
				32	Applied Chemistry Elective Course Categories Material Design			
				33	Applied Chemistry Elective Course Categories Environment/Analysis/Chemical Engineering			
				34	Applied Chemistry Elective Course Categories Organic Science			
				35	Applied Chemistry Elective Course Categories Bioscience and High Polymers			
				40	Applied Chemistry and Mathematics Course Categories Experiment and Practical Training Course			
				41	Applied Chemistry and Mathematics Course Categories Common Lecture Courses			
				42	Applied Chemistry and Mathematics Course Categories Material Design			
				43	Applied Chemistry and Mathematics Course Categories Environment/Analysis/Chemical Engineering			
				44	Applied Chemistry and Mathematics Course Categories Organic Science			
				45	Applied Chemistry and Mathematics Course Categories Bioscience and High Polymers			
				50	Applied Chemistry Career Course Categories Experiment and Practical Training Course			
		51	Applied Chemistry Career Course Categories Common Lecture Courses					
		52	Applied Chemistry Career Course Categories Material Design					
		53	Applied Chemistry Career Course Categories Environment/Analysis/Chemical Engineering					
		54	Applied Chemistry Career Course Categories Organic Science					
		55	Applied Chemistry Career Course Categories Bioscience and High Polymers					
		FST	AC	APPLIED CHEMISTRY	5	ADVANCED MAJOR COURSES	10	Applied Chemistry Basic Education Required Subject Course Categories Experiment and Practical Training Course
							11	Applied Chemistry Basic Education Required Subject Course Categories Common Lecture Courses
							12	Applied Chemistry Basic Education Required Subject Course Categories Material Design
							13	Applied Chemistry Basic Education Required Subject Course Categories Environment/Analysis/Chemical Engineering
							14	Applied Chemistry Basic Education Required Subject Course Categories Organic Science
							15	Applied Chemistry Basic Education Required Subject Course Categories Bioscience and High Polymers
							20	Applied Chemistry Basic Education Elective Subject Course Categories Experiment and Practical Training Course
							21	Applied Chemistry Basic Education Elective Subject Course Categories Common Lecture Courses
							22	Applied Chemistry Basic Education Elective Subject Course Categories Material Design
							23	Applied Chemistry Basic Education Elective Subject Course Categories Environment/Analysis/Chemical Engineering
							24	Applied Chemistry Basic Education Elective Subject Course Categories Organic Science
							25	Applied Chemistry Basic Education Elective Subject Course Categories Bioscience and High Polymers
							30	Applied Chemistry Elective Course Categories Experiment and Practical Training Course
							31	Applied Chemistry Elective Course Categories Common Lecture Courses
							32	Applied Chemistry Elective Course Categories Material Design
							33	Applied Chemistry Elective Course Categories Environment/Analysis/Chemical Engineering
							34	Applied Chemistry Elective Course Categories Organic Science
							35	Applied Chemistry Elective Course Categories Bioscience and High Polymers
							40	Applied Chemistry and Mathematics Course Categories Experiment and Practical Training Course
							41	Applied Chemistry and Mathematics Course Categories Common Lecture Courses
							42	Applied Chemistry and Mathematics Course Categories Material Design
							43	Applied Chemistry and Mathematics Course Categories Environment/Analysis/Chemical Engineering
							44	Applied Chemistry and Mathematics Course Categories Organic Science
							45	Applied Chemistry and Mathematics Course Categories Bioscience and High Polymers
							50	Applied Chemistry Career Course Categories Experiment and Practical Training Course
51	Applied Chemistry Career Course Categories Common Lecture Courses							
52	Applied Chemistry Career Course Categories Material Design							
53	Applied Chemistry Career Course Categories Environment/Analysis/Chemical Engineering							
54	Applied Chemistry Career Course Categories Organic Science							
55	Applied Chemistry Career Course Categories Bioscience and High Polymers							

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification				
S C I E N C E A N D T C H N O L O G Y	FST	AP	APPLIED PHYSICS AND PHYSICO-INFORMATICS				
				4	BASIC MAJOR COURSES	01	General Natural Sciences Learning Level 1
						02	General Natural Sciences Learning Level 2
						03	General Natural Sciences Learning Level 3
						04	General Natural Sciences Learning Level 4
						05	General Natural Sciences Learning Level 5
						11	General Mathematics Learning Level 1
						12	General Mathematics Learning Level 2
						13	General Mathematics Learning Level 3
						14	General Mathematics Learning Level 4
						15	General Mathematics Learning Level 5
						21	Electrical, Instrumentation, and Control Engineering Learning Level 1
						22	Electrical, Instrumentation, and Control Engineering Learning Level 2
						23	Electrical, Instrumentation, and Control Engineering Learning Level 3
						24	Electrical, Instrumentation, and Control Engineering Learning Level 4
						25	Electrical, Instrumentation, and Control Engineering Learning Level 5
						31	General Physics Learning Level 1
						32	General Physics Learning Level 2
						33	General Physics Learning Level 3
						34	General Physics Learning Level 4
						35	General Physics Learning Level 5
						41	Electromagnetism and Optics Learning Level 1
						42	Electromagnetism and Optics Learning Level 2
						43	Electromagnetism and Optics Learning Level 3
						44	Electromagnetism and Optics Learning Level 4
						45	Electromagnetism and Optics Learning Level 5
				51	Quantum and Solid State Physics Learning Level 1		
				52	Quantum and Solid State Physics Learning Level 2		
				53	Quantum and Solid State Physics Learning Level 3		
				54	Quantum and Solid State Physics Learning Level 4		
				55	Quantum and Solid State Physics Learning Level 5		
				61	Applied Physics Learning Level 1		
				62	Applied Physics Learning Level 2		
				63	Applied Physics Learning Level 3		
				64	Applied Physics Learning Level 4		
				65	Applied Physics Learning Level 5		
				71	Computer Science and Information Engineering Learning Level 1		
				72	Computer Science and Information Engineering Learning Level 2		
				73	Computer Science and Information Engineering Learning Level 3		
				74	Computer Science and Information Engineering Learning Level 4		
				75	Computer Science and Information Engineering Learning Level 5		
				5	ADVANCED MAJOR COURSES	01	General Natural Sciences Learning Level 1
						02	General Natural Sciences Learning Level 2
						03	General Natural Sciences Learning Level 3
						04	General Natural Sciences Learning Level 4
						05	General Natural Sciences Learning Level 5
						11	General Mathematics Learning Level 1
						12	General Mathematics Learning Level 2
						13	General Mathematics Learning Level 3
						14	General Mathematics Learning Level 4
						15	General Mathematics Learning Level 5
						21	Electrical, Instrumentation, and Control Engineering Learning Level 1
						22	Electrical, Instrumentation, and Control Engineering Learning Level 2
						23	Electrical, Instrumentation, and Control Engineering Learning Level 3
						24	Electrical, Instrumentation, and Control Engineering Learning Level 4
						25	Electrical, Instrumentation, and Control Engineering Learning Level 5
						31	General Physics Learning Level 1
						32	General Physics Learning Level 2
						33	General Physics Learning Level 3
						34	General Physics Learning Level 4
						35	General Physics Learning Level 5
						41	Electromagnetism and Optics Learning Level 1
						42	Electromagnetism and Optics Learning Level 2
						43	Electromagnetism and Optics Learning Level 3
						44	Electromagnetism and Optics Learning Level 4
						45	Electromagnetism and Optics Learning Level 5
				51	Quantum and Solid State Physics Learning Level 1		
				52	Quantum and Solid State Physics Learning Level 2		
				53	Quantum and Solid State Physics Learning Level 3		
				54	Quantum and Solid State Physics Learning Level 4		
				55	Quantum and Solid State Physics Learning Level 5		
				61	Applied Physics Learning Level 1		
				62	Applied Physics Learning Level 2		
				63	Applied Physics Learning Level 3		
				64	Applied Physics Learning Level 4		
65	Applied Physics Learning Level 5						
71	Computer Science and Information Engineering Learning Level 1						
72	Computer Science and Information Engineering Learning Level 2						
73	Computer Science and Information Engineering Learning Level 3						
74	Computer Science and Information Engineering Learning Level 4						
75	Computer Science and Information Engineering Learning Level 5						

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School		Department/Major		Major Classification		Minor Classification	
FST	S C I E N C E A N D T C H N O L O G Y	IS	INDUSTRIAL AND SYSTEMS ENGINEERING	4	BASIC MAJOR COURSES	10	Required Subject Second Year-Level Course
						20	Information Science Second Year-Level Course
						30	Statistics Second Year-Level Course
						40	Operations Research Second Year-Level Course
						50	Management and Economics Second Year-Level Course
						60	Human Factors and Ergonomics Second Year-Level Course
						70	Industrial Engineering Second Year-Level Course
						80	Other Second Year-Level Course
				5	ADVANCED MAJOR COURSES	11	Required Subject Third Year-Level Spring Course
						12	Required Subject Third Year-Level Fall Course
						13	Required Subject Fourth Year-Level Course
						21	Information Science Third Year-Level Spring Course
						22	Information Science Third Year-Level Fall Course
						23	Information Science Fourth Year-Level Course
						31	Statistics Third Year-Level Spring Course
						32	Statistics Third Year-Level Fall Course
						33	Statistics Fourth Year-Level Course
						41	Operations Research Third Year-Level Spring Course
						42	Operations Research Third Year-Level Fall Course
						43	Operations Research Fourth Year-Level Course
						51	Management and Economics Third Year-Level Spring Course
						52	Management and Economics Third Year-Level Fall Course
						53	Management and Economics Fourth Year-Level Course
						61	Human Factors and Ergonomics Third Year-Level Spring Course
						62	Human Factors and Ergonomics Third Year-Level Fall Course
						63	Human Factors and Ergonomics Fourth Year-Level Course
						71	Industrial Engineering Third Year-Level Spring Course
						72	Industrial Engineering Third Year-Level Fall Course
						73	Industrial Engineering Fourth Year-Level Course
						81	Other Third Year-Level Spring Course
						82	Other Third Year-Level Fall Course
						83	Other Fourth Year-Level Course

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification				
S C I E N C E A N D D T C H N O L O G Y	MA	4	BASIC MAJOR COURSES				
				01	Algebra Learning Level 1		
				02	Algebra Learning Level 2		
				03	Algebra Learning Level 3		
				04	Algebra Learning Level 4		
				05	Algebra Learning Level 5		
				06	Algebra Learning Level 6		
				07	Algebra Learning Level 7		
				11	Computer Science Learning Level 1		
				12	Computer Science Learning Level 2		
				13	Computer Science Learning Level 3		
				14	Computer Science Learning Level 4		
				15	Computer Science Learning Level 5		
				16	Computer Science Learning Level 6		
				17	Computer Science Learning Level 7		
				21	Probability and Statistics Learning Level 1		
				22	Probability and Statistics Learning Level 2		
				23	Probability and Statistics Learning Level 3		
				24	Probability and Statistics Learning Level 4		
				25	Probability and Statistics Learning Level 5		
				26	Probability and Statistics Learning Level 6		
				27	Probability and Statistics Learning Level 7		
				31	Analysis Learning Level 1		
				32	Analysis Learning Level 2		
				33	Analysis Learning Level 3		
				34	Analysis Learning Level 4		
				35	Analysis Learning Level 5		
		36	Analysis Learning Level 6				
		37	Analysis Learning Level 7				
		41	General Mathematics Learning Level 1				
		42	General Mathematics Learning Level 2				
		43	General Mathematics Learning Level 3				
		44	General Mathematics Learning Level 4				
		45	General Mathematics Learning Level 5				
		46	General Mathematics Learning Level 6				
		47	General Mathematics Learning Level 7				
		51	General Natural Sciences Learning Level 1				
		52	General Natural Sciences Learning Level 2				
		53	General Natural Sciences Learning Level 3				
		54	General Natural Sciences Learning Level 4				
		55	General Natural Sciences Learning Level 5				
		56	General Natural Sciences Learning Level 6				
		57	General Natural Sciences Learning Level 7				
		FST	MA	5	ADVANCED MAJOR COURSES		
						01	Algebra Learning Level 1
						02	Algebra Learning Level 2
						03	Algebra Learning Level 3
						04	Algebra Learning Level 4
						05	Algebra Learning Level 5
						06	Algebra Learning Level 6
						07	Algebra Learning Level 7
						11	Computer Science Learning Level 1
						12	Computer Science Learning Level 2
						13	Computer Science Learning Level 3
						14	Computer Science Learning Level 4
						15	Computer Science Learning Level 5
						16	Computer Science Learning Level 6
17	Computer Science Learning Level 7						
21	Probability and Statistics Learning Level 1						
22	Probability and Statistics Learning Level 2						
23	Probability and Statistics Learning Level 3						
24	Probability and Statistics Learning Level 4						
25	Probability and Statistics Learning Level 5						
26	Probability and Statistics Learning Level 6						
27	Probability and Statistics Learning Level 7						
31	Analysis Learning Level 1						
32	Analysis Learning Level 2						
33	Analysis Learning Level 3						
34	Analysis Learning Level 4						
35	Analysis Learning Level 5						
36	Analysis Learning Level 6						
37	Analysis Learning Level 7						
41	General Mathematics Learning Level 1						
42	General Mathematics Learning Level 2						
43	General Mathematics Learning Level 3						
44	General Mathematics Learning Level 4						
45	General Mathematics Learning Level 5						
46	General Mathematics Learning Level 6						
47	General Mathematics Learning Level 7						
51	General Natural Sciences Learning Level 1						
52	General Natural Sciences Learning Level 2						
53	General Natural Sciences Learning Level 3						
54	General Natural Sciences Learning Level 4						
55	General Natural Sciences Learning Level 5						
56	General Natural Sciences Learning Level 6						
57	General Natural Sciences Learning Level 7						

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification
FST	PH	PHYSICS	01 General Physics and Natural Sciences Learning Level 1
			02 General Physics and Natural Sciences Learning Level 2
			03 General Physics and Natural Sciences Learning Level 3
			04 General Physics and Natural Sciences Learning Level 4
			05 General Physics and Natural Sciences Learning Level 5
			06 General Physics and Natural Sciences Learning Level 6
			11 Mathematics Learning Level 1
			12 Mathematics Learning Level 2
			13 Mathematics Learning Level 3
			14 Mathematics Learning Level 4
			15 Mathematics Learning Level 5
			16 Mathematics Learning Level 6
			21 Dynamics Learning Level 1
			22 Dynamics Learning Level 2
			23 Dynamics Learning Level 3
			24 Dynamics Learning Level 4
			25 Dynamics Learning Level 5
			26 Dynamics Learning Level 6
			31 Electromagnetism Learning Level 1
			32 Electromagnetism Learning Level 2
			33 Electromagnetism Learning Level 3
			34 Electromagnetism Learning Level 4
			35 Electromagnetism Learning Level 5
			36 Electromagnetism Learning Level 6
			41 Thermal Statistical Physics Learning Level 1
			42 Thermal Statistical Physics Learning Level 2
			43 Thermal Statistical Physics Learning Level 3
			44 Thermal Statistical Physics Learning Level 4
			45 Thermal Statistical Physics Learning Level 5
			46 Thermal Statistical Physics Learning Level 6
			51 Quantum Mechanics Learning Level 1
			52 Quantum Mechanics Learning Level 2
			53 Quantum Mechanics Learning Level 3
			54 Quantum Mechanics Learning Level 4
			55 Quantum Mechanics Learning Level 5
			56 Quantum Mechanics Learning Level 6
			61 Computational Physics Learning Level 1
			62 Computational Physics Learning Level 2
			63 Computational Physics Learning Level 3
			64 Computational Physics Learning Level 4
			65 Computational Physics Learning Level 5
			66 Computational Physics Learning Level 6
			71 Developmental Physics Learning Level 1
			72 Developmental Physics Learning Level 2
			73 Developmental Physics Learning Level 3
			74 Developmental Physics Learning Level 4
			75 Developmental Physics Learning Level 5
			76 Developmental Physics Learning Level 6
		81 Applied Physics and Engineering Learning Level 1	
		82 Applied Physics and Engineering Learning Level 2	
		83 Applied Physics and Engineering Learning Level 3	
		84 Applied Physics and Engineering Learning Level 4	
		85 Applied Physics and Engineering Learning Level 5	
		86 Applied Physics and Engineering Learning Level 6	
		91 Chemistry Learning Level 1	
		92 Chemistry Learning Level 2	
		93 Chemistry Learning Level 3	
		94 Chemistry Learning Level 4	
		95 Chemistry Learning Level 5	
		96 Chemistry Learning Level 6	
		PHYSICS	01 General Physics and Natural Sciences Learning Level 1
			02 General Physics and Natural Sciences Learning Level 2
			03 General Physics and Natural Sciences Learning Level 3
			04 General Physics and Natural Sciences Learning Level 4
			05 General Physics and Natural Sciences Learning Level 5
			06 General Physics and Natural Sciences Learning Level 6
			11 Mathematics Learning Level 1
			12 Mathematics Learning Level 2
			13 Mathematics Learning Level 3
			14 Mathematics Learning Level 4
			15 Mathematics Learning Level 5
			16 Mathematics Learning Level 6
			21 Dynamics Learning Level 1
			22 Dynamics Learning Level 2
			23 Dynamics Learning Level 3
			24 Dynamics Learning Level 4
			25 Dynamics Learning Level 5
			26 Dynamics Learning Level 6
			31 Electromagnetism Learning Level 1
			32 Electromagnetism Learning Level 2
			33 Electromagnetism Learning Level 3
			34 Electromagnetism Learning Level 4
			35 Electromagnetism Learning Level 5
			36 Electromagnetism Learning Level 6
			41 Thermal Statistical Physics Learning Level 1
			42 Thermal Statistical Physics Learning Level 2
			43 Thermal Statistical Physics Learning Level 3
			44 Thermal Statistical Physics Learning Level 4
			45 Thermal Statistical Physics Learning Level 5
			46 Thermal Statistical Physics Learning Level 6
			51 Quantum Mechanics Learning Level 1
			52 Quantum Mechanics Learning Level 2
			53 Quantum Mechanics Learning Level 3
			54 Quantum Mechanics Learning Level 4
			55 Quantum Mechanics Learning Level 5
			56 Quantum Mechanics Learning Level 6
61 Computational Physics Learning Level 1			
62 Computational Physics Learning Level 2			
63 Computational Physics Learning Level 3			
64 Computational Physics Learning Level 4			
65 Computational Physics Learning Level 5			
66 Computational Physics Learning Level 6			
71 Developmental Physics Learning Level 1			
72 Developmental Physics Learning Level 2			
73 Developmental Physics Learning Level 3			
74 Developmental Physics Learning Level 4			
75 Developmental Physics Learning Level 5			
76 Developmental Physics Learning Level 6			
81 Applied Physics and Engineering Learning Level 1			
82 Applied Physics and Engineering Learning Level 2			
83 Applied Physics and Engineering Learning Level 3			
84 Applied Physics and Engineering Learning Level 4			
85 Applied Physics and Engineering Learning Level 5			
86 Applied Physics and Engineering Learning Level 6			
91 Chemistry Learning Level 1			
92 Chemistry Learning Level 2			
93 Chemistry Learning Level 3			
94 Chemistry Learning Level 4			
95 Chemistry Learning Level 5			
96 Chemistry Learning Level 6			

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification			
FST	SCIENCE ANNEX	4	01	General Natural Sciences Learning Level 1		
			02	General Natural Sciences Learning Level 2		
			03	General Natural Sciences Learning Level 3		
			04	General Natural Sciences Learning Level 4		
			05	General Natural Sciences Learning Level 5		
			06	General Natural Sciences Learning Level 6		
			11	General Chemistry Learning Level 1		
			12	General Chemistry Learning Level 2		
			13	General Chemistry Learning Level 3		
			14	General Chemistry Learning Level 4		
			15	General Chemistry Learning Level 5		
			16	General Chemistry Learning Level 6		
			21	Physical and Theoretical Chemistry Learning Level 1		
			22	Physical and Theoretical Chemistry Learning Level 2		
			23	Physical and Theoretical Chemistry Learning Level 3		
			24	Physical and Theoretical Chemistry Learning Level 4		
			25	Physical and Theoretical Chemistry Learning Level 5		
			26	Physical and Theoretical Chemistry Learning Level 6		
			31	Inorganic and Analytical Chemistry Learning Level 1		
			32	Inorganic and Analytical Chemistry Learning Level 2		
			33	Inorganic and Analytical Chemistry Learning Level 3		
			34	Inorganic and Analytical Chemistry Learning Level 4		
			35	Inorganic and Analytical Chemistry Learning Level 5		
			36	Inorganic and Analytical Chemistry Learning Level 6		
			41	Organic Chemistry Learning Level 1		
			42	Organic Chemistry Learning Level 2		
			43	Organic Chemistry Learning Level 3		
			44	Organic Chemistry Learning Level 4		
			45	Organic Chemistry Learning Level 5		
			46	Organic Chemistry Learning Level 6		
			51	Biological Chemistry Learning Level 1		
			52	Biological Chemistry Learning Level 2		
			53	Biological Chemistry Learning Level 3		
			54	Biological Chemistry Learning Level 4		
			55	Biological Chemistry Learning Level 5		
			56	Biological Chemistry Learning Level 6		
			61	Polymer Chemistry Learning Level 1		
			62	Polymer Chemistry Learning Level 2		
			63	Polymer Chemistry Learning Level 3		
			64	Polymer Chemistry Learning Level 4		
			65	Polymer Chemistry Learning Level 5		
			66	Polymer Chemistry Learning Level 6		
		71	Physics and Engineering Learning Level 1			
		72	Physics and Engineering Learning Level 2			
		73	Physics and Engineering Learning Level 3			
		74	Physics and Engineering Learning Level 4			
		75	Physics and Engineering Learning Level 5			
		76	Physics and Engineering Learning Level 6			
		81	Mathematics and Informatics Learning Level 1			
		82	Mathematics and Informatics Learning Level 2			
		83	Mathematics and Informatics Learning Level 3			
		84	Mathematics and Informatics Learning Level 4			
		85	Mathematics and Informatics Learning Level 5			
		86	Mathematics and Informatics Learning Level 6			
		FST	SCIENCE ANNEX	5	01	General Natural Sciences Learning Level 1
					02	General Natural Sciences Learning Level 2
					03	General Natural Sciences Learning Level 3
					04	General Natural Sciences Learning Level 4
					05	General Natural Sciences Learning Level 5
					06	General Natural Sciences Learning Level 6
					11	General Chemistry Learning Level 1
					12	General Chemistry Learning Level 2
					13	General Chemistry Learning Level 3
					14	General Chemistry Learning Level 4
					15	General Chemistry Learning Level 5
					16	General Chemistry Learning Level 6
					21	Physical and Theoretical Chemistry Learning Level 1
					22	Physical and Theoretical Chemistry Learning Level 2
					23	Physical and Theoretical Chemistry Learning Level 3
					24	Physical and Theoretical Chemistry Learning Level 4
					25	Physical and Theoretical Chemistry Learning Level 5
					26	Physical and Theoretical Chemistry Learning Level 6
					31	Inorganic and Analytical Chemistry Learning Level 1
					32	Inorganic and Analytical Chemistry Learning Level 2
					33	Inorganic and Analytical Chemistry Learning Level 3
					34	Inorganic and Analytical Chemistry Learning Level 4
					35	Inorganic and Analytical Chemistry Learning Level 5
					36	Inorganic and Analytical Chemistry Learning Level 6
					41	Organic Chemistry Learning Level 1
					42	Organic Chemistry Learning Level 2
					43	Organic Chemistry Learning Level 3
					44	Organic Chemistry Learning Level 4
					45	Organic Chemistry Learning Level 5
					46	Organic Chemistry Learning Level 6
					51	Biological Chemistry Learning Level 1
					52	Biological Chemistry Learning Level 2
53	Biological Chemistry Learning Level 3					
54	Biological Chemistry Learning Level 4					
55	Biological Chemistry Learning Level 5					
56	Biological Chemistry Learning Level 6					
61	Polymer Chemistry Learning Level 1					
62	Polymer Chemistry Learning Level 2					
63	Polymer Chemistry Learning Level 3					
64	Polymer Chemistry Learning Level 4					
65	Polymer Chemistry Learning Level 5					
66	Polymer Chemistry Learning Level 6					
71	Physics and Engineering Learning Level 1					
72	Physics and Engineering Learning Level 2					
73	Physics and Engineering Learning Level 3					
74	Physics and Engineering Learning Level 4					
75	Physics and Engineering Learning Level 5					
76	Physics and Engineering Learning Level 6					
81	Mathematics and Informatics Learning Level 1					
82	Mathematics and Informatics Learning Level 2					
83	Mathematics and Informatics Learning Level 3					
84	Mathematics and Informatics Learning Level 4					
85	Mathematics and Informatics Learning Level 5					
86	Mathematics and Informatics Learning Level 6					

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School		Department/Major		Major Classification		Minor Classification	
FST	S C I E N C E	SD	SYSTEM DESIGN ENGINEERING	4	BASIC MAJOR COURSES	01	Basic System Design Engineering Learning Level 1
						02	Basic System Design Engineering Learning Level 2
						03	Basic System Design Engineering Learning Level 3
						04	Basic System Design Engineering Learning Level 4
						11	Modeling Learning Level 1
						12	Modeling Learning Level 2
						13	Modeling Learning Level 3
						14	Modeling Learning Level 4
						21	Analysis Learning Level 1
						22	Analysis Learning Level 2
						23	Analysis Learning Level 3
						24	Analysis Learning Level 4
						31	Synthesis Learning Level 1
						32	Synthesis Learning Level 2
						33	Synthesis Learning Level 3
						34	Synthesis Learning Level 4
						41	Harmonics Learning Level 1
						42	Harmonics Learning Level 2
						43	Harmonics Learning Level 3
						44	Harmonics Learning Level 4
	T C H N O L O G Y	SD	SYSTEM DESIGN ENGINEERING	5	ADVANCED MAJOR COURSES	01	Basic System Design Engineering Learning Level 1
						02	Basic System Design Engineering Learning Level 2
						03	Basic System Design Engineering Learning Level 3
						04	Basic System Design Engineering Learning Level 4
						11	Modeling Learning Level 1
						12	Modeling Learning Level 2
						13	Modeling Learning Level 3
						14	Modeling Learning Level 4
						21	Analysis Learning Level 1
						22	Analysis Learning Level 2
						23	Analysis Learning Level 3
						24	Analysis Learning Level 4
						31	Synthesis Learning Level 1
						32	Synthesis Learning Level 2
						33	Synthesis Learning Level 3
						34	Synthesis Learning Level 4
						41	Harmonics Learning Level 1
						42	Harmonics Learning Level 2
						43	Harmonics Learning Level 3
						44	Harmonics Learning Level 4

Faculty of Science and Technology / Minor Classification List

Faculty/Graduate School	Department/Major	Major Classification	Minor Classification																																																																																																																																													
S C I E N C E A N D T E C H N O L O G Y	FST	IC	4 BASIC MAJOR COURSES	01	General Information Engineering Learning Level 1	02	General Information Engineering Learning Level 2	03	General Information Engineering Learning Level 3	04	General Information Engineering Learning Level 4	05	General Information Engineering Learning Level 5	11	Programming and Algorithms Learning Level 1	12	Programming and Algorithms Learning Level 2	13	Programming and Algorithms Learning Level 3	14	Programming and Algorithms Learning Level 4	15	Programming and Algorithms Learning Level 5	21	Fundamentals of Informatics Learning Level 1	22	Fundamentals of Informatics Learning Level 2	23	Fundamentals of Informatics Learning Level 3	24	Fundamentals of Informatics Learning Level 4	25	Fundamentals of Informatics Learning Level 5	31	Fundamentals of Computer Science Learning Level 1	32	Fundamentals of Computer Science Learning Level 2	33	Fundamentals of Computer Science Learning Level 3	34	Fundamentals of Computer Science Learning Level 4	35	Fundamentals of Computer Science Learning Level 5	41	Communications and Networks Learning Level 1	42	Communications and Networks Learning Level 2	43	Communications and Networks Learning Level 3	44	Communications and Networks Learning Level 4	45	Communications and Networks Learning Level 5	51	Computational Media Intelligence Learning Level 1	52	Computational Media Intelligence Learning Level 2	53	Computational Media Intelligence Learning Level 3	54	Computational Media Intelligence Learning Level 4	55	Computational Media Intelligence Learning Level 5	61	Other Learning Level 1	62	Other Learning Level 2	63	Other Learning Level 3	64	Other Learning Level 4	65	Other Learning Level 5	5 ADVANCED MAJOR COURSES	01	General Information Engineering Learning Level 1	02	General Information Engineering Learning Level 2	03	General Information Engineering Learning Level 3	04	General Information Engineering Learning Level 4	05	General Information Engineering Learning Level 5	11	Programming and Algorithms Learning Level 1	12	Programming and Algorithms Learning Level 2	13	Programming and Algorithms Learning Level 3	14	Programming and Algorithms Learning Level 4	15	Programming and Algorithms Learning Level 5	21	Fundamentals of Informatics Learning Level 1	22	Fundamentals of Informatics Learning Level 2	23	Fundamentals of Informatics Learning Level 3	24	Fundamentals of Informatics Learning Level 4	25	Fundamentals of Informatics Learning Level 5	31	Fundamentals of Computer Science Learning Level 1	32	Fundamentals of Computer Science Learning Level 2	33	Fundamentals of Computer Science Learning Level 3	34	Fundamentals of Computer Science Learning Level 4	35	Fundamentals of Computer Science Learning Level 5	41	Communications and Networks Learning Level 1	42	Communications and Networks Learning Level 2	43	Communications and Networks Learning Level 3	44	Communications and Networks Learning Level 4	45	Communications and Networks Learning Level 5	51	Computational Media Intelligence Learning Level 1	52	Computational Media Intelligence Learning Level 2	53	Computational Media Intelligence Learning Level 3	54	Computational Media Intelligence Learning Level 4	55	Computational Media Intelligence Learning Level 5	61	Other Learning Level 1	62	Other Learning Level 2	63	Other Learning Level 3	64	Other Learning Level 4	65	Other Learning Level 5
				01	General Information Engineering Learning Level 1																																																																																																																																											
				02	General Information Engineering Learning Level 2																																																																																																																																											
				03	General Information Engineering Learning Level 3																																																																																																																																											
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				05	General Information Engineering Learning Level 5																																																																																																																																											
				11	Programming and Algorithms Learning Level 1																																																																																																																																											
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				21	Fundamentals of Informatics Learning Level 1																																																																																																																																											
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				31	Fundamentals of Computer Science Learning Level 1																																																																																																																																											
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				41	Communications and Networks Learning Level 1																																																																																																																																											
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				45	Communications and Networks Learning Level 5																																																																																																																																											
				51	Computational Media Intelligence Learning Level 1																																																																																																																																											
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			61	Other Learning Level 1																																																																																																																																												
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			5 ADVANCED MAJOR COURSES	01	General Information Engineering Learning Level 1																																																																																																																																											
				02	General Information Engineering Learning Level 2																																																																																																																																											
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				11	Programming and Algorithms Learning Level 1																																																																																																																																											
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				13	Programming and Algorithms Learning Level 3																																																																																																																																											
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				21	Fundamentals of Informatics Learning Level 1																																																																																																																																											
				22	Fundamentals of Informatics Learning Level 2																																																																																																																																											
				23	Fundamentals of Informatics Learning Level 3																																																																																																																																											
				24	Fundamentals of Informatics Learning Level 4																																																																																																																																											
				25	Fundamentals of Informatics Learning Level 5																																																																																																																																											
				31	Fundamentals of Computer Science Learning Level 1																																																																																																																																											
				32	Fundamentals of Computer Science Learning Level 2																																																																																																																																											
				33	Fundamentals of Computer Science Learning Level 3																																																																																																																																											
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				41	Communications and Networks Learning Level 1																																																																																																																																											
				42	Communications and Networks Learning Level 2																																																																																																																																											
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				51	Computational Media Intelligence Learning Level 1																																																																																																																																											
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55	Computational Media Intelligence Learning Level 5																																																																																																																																															
61	Other Learning Level 1																																																																																																																																															
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64	Other Learning Level 4																																																																																																																																															
65	Other Learning Level 5																																																																																																																																															

Faculty of Science and Tchnology / Minor Classification List

Faculty/Graduate School		Department/Major		Major Classification	Minor Classification		
S C I E N C E F S T	A N D T C H N O L O G Y	BI	BIOSCIENCES & INFORMATICS	4	BASIC MAJOR COURSES	01	General Bioinformatics and Natural Sciences Second Year-Level Spring Course
						02	General Bioinformatics and Natural Sciences Second Year-Level Fall Course
						11	Biology Second Year-Level Spring Course
						12	Biology Second Year-Level Fall Course
						21	Chemistry and Physics Second Year-Level Spring Course
						22	Chemistry and Physics Second Year-Level Fall Course
						31	Mathematics Second Year-Level Spring Course
						32	Mathematics Second Year-Level Fall Course
						41	Informatics Second Year-Level Spring Course
						42	Informatics Second Year-Level Fall Course
				01	General Bioinformatics and Natural Sciences Third Year-Level Spring Course		
				02	General Bioinformatics and Natural Sciences Third Year-Level Fall Course		
				03	General Bioinformatics and Natural Sciences Fourth Year-Level Spring Course		
				04	General Bioinformatics and Natural Sciences Fourth Year-Level Fall Course		
				11	Biology Third Year-Level Spring Course		
				12	Biology Third Year-Level Fall Course		
				13	Biology Fourth Year-Level Spring Course		
				14	Biology Fourth Year-Level Fall Course		
				21	Chemistry and Physics Third Year-Level Spring Course		
				22	Chemistry and Physics Third Year-Level Fall Course		
				23	Chemistry and Physics Fourth Year-Level Spring Course		
				24	Chemistry and Physics Fourth Year-Level Fall Course		
		31	Mathematics Third Year-Level Spring Course				
		32	Mathematics Third Year-Level Fall Course				
		33	Mathematics Fourth Year-Level Spring Course				
		34	Mathematics Fourth Year-Level Fall Course				
		41	Informatics Third Year-Level Spring Course				
		42	Informatics Third Year-Level Fall Course				
		43	Informatics Fourth Year-Level Spring Course				
		44	Informatics Fourth Year-Level Fall Course				