Faculty of Science and Technology / Department of Mechatronics Engineering

Curriculum

Basic Interdisciplinary Subjects in Science and Technology

■ - Compulsory Elective Subjects ■ - Elective Subjects

Classes	1st Year	2nd Year	3rd Year	4th Year
	English Communication I • II	English CommunicationⅢ · IV	Literature	
	German I • II	GermanⅢ · IV	Psychology	
Basic Interdisciplinary	French I · II	FrenchIII · IV	Japanese Constitution	
Subjects in Science and	Chinese I • II	Chinese Ⅲ · Ⅳ	International Relations	
Technology	Science of Physical Education I • II	Science of Physical Education III • IV	International Economics	
reamology	Basic Humanities I • II	Area Studies(Europe & America) I • II	Practical English I • II	
	Basic Social Science I • II	Area Studies(Asia) I • II		
	Basic Seminar I • II			

Faculty of Science and Technology / Department of Mechatronics Engineering

Curriculum

Specialized Education Department of Mechatronics Engineering

■ - Compulsory Subjects ■ - Compulsory Elective Subjects ■ - Elective Subjects ■ - Free Elective Subjects

	sses	1st Year	2nd Year	3rd Year	4th Year
		Calculu I • II	Earth Science I • II		
	cts	Linear Algebra I • II	Experiments in Earth Science I • II		
	bje	Physics I • II	Experiments in Biology		
	NS.	Physics Exercise	Ethics for Engineers		
) g	Experiments in Physics I • II			
	Ē	Chemistry I • II			
	5	化学実験Ⅰ・Ⅱ			
	Ė	Biology			
	ä	Introduction of Science and Technology			
	8	Computer Literacy			
	ge	Basics of Mathematics I • II			
	Basic Science and Technology Subjects	Physics Review Course I • II			
	Ba	Chemistry Review Course I • II			
		English Review Course I • II			
		Fundamentals of Mechatronic	Computer programming	Control Engineering II	Computer Aided Engineering
.5		Technical Japanese	Mechanical Drawing	Embedded Software	Instrumentation Engineering
a E		Descriptive Geometry	Strength of materials I	Vector and Kinematics	Laws and Regulations on Electric Power Industry
류		Fundamentals of Electrical Circuits	Strength of Materials II	Mechatronics Experiment I • II	Versatile Design of Mechatornic Devises
Specialized Education		Computer Architecture	Mechanics I	Signal Processing Engineering	Graduation Research
ali,			Mechanics II	Technical English	
Ğ			Electrical Devices	Engineering Design Exercise I · II · III	
S			Electromagnetism I	By wire Architecture	
			Electromagnetism II	Medical Mechanical Engineering	
			Electrical Design and Drawing	Information Network	
			Mechanism	Electric Machinery	
			Machine Elements	Element of Vibration	
			Analog Circuits	Machining Processes	
			Control Engineering I	Automotive Engineering I	
			Applied Mathematics I • II	Automotive Engineering II	
			Fluid Mechanics I • II	Energy Engineering	
			Thermodynamics I • II	Heat Transfer Engineering	
			Computer Graphics	Software Engineering	
			Digital Circuits	Biomedical Signal Processing	
			Biomechanics	Power Electronics	
			Machine elements Design	Sensor and Sensing	
			Ethics for Mechanical Engineers	Production Control	
				Internship	