

Mechanical and Control Engineering Course

Curriculum

Subjects			Credits	Credits you can acquire	
				1st	2nd
General Subjects	Required	Japanese Technical Writing	2	2	
		Technical English Writing	2		2
		Ethics for Engineers	2		2
		Cross-Cultural Study	2		2
		Extensive English Exercises	2	2	
		Current Industrial Issues	2	2	
		Business Administration	2	2	
		Introduction to Safety Engineering	2		2
	Subtotal	16	8	8	
	Elective	Industrial Engineering	2		2
		English Conversation	2		2
Subtotal		4		4	
Subtotal			20	8	12
Department Fundamental Subjects	Required	General Chemistry	2	2	
		Physical Science	2	2	
		Life Science	2		2
		Technical English of Mechanical and Control Engineering	2	2	
		Subtotal	8	6	2
	Elective	Applied Statistics	2	2	
		Engineering Analysis	2	2	
		Discrete Mathematics	2		2
		Engineering Mathematics	2		2
		Subtotal	8	4	4
Subtotal			16	10	6
Department Subjects	Required	Internship	6	6	
		Experiment of Mechanical and Control Engineering	2	2	
		Practice of Computer	2	2	
		Practice of Mechanical and Control Engineering	2		2
		Applied Research	2	2	
		Thesis Work	6		6
		Subtotal	20	12	8
	Elective	Mechanics of Elasticity	2	2	
		Strength and Fracture of Materials	2		2
		Dynamics and Biomechanics	2		2
		Materials for Design	2		2
		Fluid Control Engineering	2	2	
		Dynamics of Heat and Fluid Flow	2		2
		Computer Aided Engineering	2		2
		Applied Measurement Engineering	2	2	
		Applied Circuit Design	2	2	
		Applied Electromagnetism	2	(2)	(2)
		Electroacoustics	2	(2)	(2)
		Electrical and electronics engineering	2	(2)	(2)
		Advanced Information Engineering	2	(2)	(2)
		System Control Engineering	2		2
		System Design Engineering	2		2
		Robot Control Engineering	2		2
		Semiconductor Electronics	2		2
		Subtotal	34	8(16)	18(26)
		Subtotal			54
Total of Required Credits			90	38(46)	44(52)