		Mech	anical Engineering	C	urricul								
				1.4				ss hour p		441.		4	
Category	Subjects	Credits	Staff	term 1	year term 2	2nd term 3	year term 4	3rd term 5	year term 6	4th term 7	year term 8		Total of Credit
	English for Engineers	_	(T. 1:)										
	English for Engineers English for Mechanical Engineering II	2	(Larkins)					2		2		-	
	Science and Engineering Ethics	2	Kado								nsive	1	
	Fundamentals in Probability and Statistics A&B	1	Fukui, Nakamura	1						Hite	I	┪	
	Freshman Seminar II	1	Hayashi, Kinoshita, et al.	2								1	
	Machine Drawing A&B	1	Fukuhara, Kamitani			2	(2)					1	
Required	Practical Exercise of Manufacturing Processes A&B	1	Kondo			(3)	3					13	25
Subjects	Mechanical Engineering Laboratory	1	Katanoda, Kumazaswa,					3				1 "	
			et al. Fukunara, токшпада, ег									4	
	Mechanical Engineering Seminar	2	Ratanoua, Kinosinia, et						2			4	
	Applied Machine Design Programming and Numerical Analysis	2	Ohtoko at al						6			_	
	Creative Machine Designing	2	Ohtaka, et al.							6		1	
	Research for Bachelor's Thesis	6	al							6	12	1	
	Freshman Seminar I	1	Ide, Fukui, Kado, et al.		2					l	12	<u> </u>	
	Engineering Mechanics I A&B	3	Adachi, Guo		4							1	
	Engineering Mechanics II A&B	2	Adachi, Guo			3						1	
	Fundamentals in Strength of Materials A&B	3	Fukui, Nakamura, Oda			4						1	
	Fundamentals in Engineering Thermodynamics A&B	3	Kinoshita, Nishiki			4]	
	Applied Mathematics I A&B	3	Kado, Oda, Guo			4]	
	Introduction to Electrical and Electronic Engineering	2				2]	
	Applied Mathematics II A&B	3	Nakamura, Katanoda,				4						
	Fundamentals in Dynamics of Machinery A&B	3	Tokunaga, Guo				4					-	
	Fundamentals in Dynamics of Machinery A&B Fundamentals in Fluid Mechanics A&B	3	Kondo, Oda, et al. Fukuhara, Ide, Ohtaka				4					-	
	Fundamentals of Materials in Mechanical Engineering	2	Komazaki				2					1	
	Strength of Materials	2	Komazaki, Nakamura				2					35	
	Kinematics of Machinery	2	Fukui				2						
	Engineering Measurements	2	Yu				2						
	Engineering Thermodynamics	2					2						
Elective (A)	Introduction to Automatic Control A&B	3	Hayashi, et al.					4					
based on	Fundamentals of 3D CAD	2	Katanoda, Nishida					3					77
Mechanical		2	Kondo, Kamitani					2					''
Engineering	Materials in Mechanical Engineering	2	Adachi, Tokunaga					2				1	
	Dynamics of Machinery	2						2				4	
	Production Engineering I	2	Kamitani					2				4	
	Theory of Elasticity	2	Komazaki					2				4	
	Heat Engine Fluid Mechanics	2	Kinoshita					2				-	
	Production Engineering II	2	Kondo					- 4	2			┨	
	Control Engineering for Mechanical Systems	2	Kondo						2			1	
	Robotics	2	Yu						2			1	
	Mechatronics	2	Hayashi						2			1	
	Fluid Machinery	2	Fukuhara						2			1	
	Systems Engineering	1								1		1	
	Ultra-Precision Machining	2	Kondo							2]	
	Advanced Topic in Robotics	2	Yu							2			
	Properties of Materials at High Temperature	2	Nakamura							2		1	
	Compressible Fluid Mechanics	2									2	1	
	Reliability Engineering		Fukui								2		
	Introduction to Information and Computer Science	2	Ninomiha*				2	-			<u> </u>	4	
	Information and Computer Systems	2	Masuya*				2	-				4	
	Basic Chemistry for Engineers Introducion to Earth Sciences	2	Shimoshige*, et al.				2	-	 	<u> </u>	 	-	
Elective	Introducion to Earth Sciences Nuclear Power, Radiation and Environment	2	Asano*, Yamashiro*, et a Nakamura, et al.				2	into	nsive		 	1	
	Factory Visit	1	Kinoshita, Tokunaga						nsive			1	
on	Internship	1	Kinoshita, Tokunaga						nsive			13	24
	Production Engineering	2						2				1	[
g	Introduction to Electronics	2						2				1	
	Energy Engineering	2								2		1	
	Environmental Engineering	2	1						2			1	
	Introduction to Material Science	2							2]	
	Science and Technology	2							2			<u> </u>	
	Total	126		3	6	19	33	30	26	18	4	61	126

¹ class hour = 90 min
2 credits = 1 class hour x 15 for lectures
1 credit is equivalent to 45 study hours including self-study
1 credit = 1 class hour x 15 for practice, exersises, training and so on term 1,3,5,7 · · · April ~ August term 2,4,6,8 · · · October ~ February

Electrical and Electronics Engineering Curriculum

Strogens		Electi	icai ali	d Electronics Engineerin	g Cum	cuiuili		er . Cla	ss hour 1	er week	2			
Performent Sentement 3 Colorie et al. 2 C	Category	Subjects	Credits	Staff	1st	year						year		Total of
Regional State	Cutegory	Bulgova	Credits	Suii	term 1	term 2	term 3	term 4	term 5	term 6	term 7	term 8	Subjects	Credits
Regional State		Erashmon Saminor I	1	Olzudo et al	2								24 24 6 8 8	
Peach Peac													-	
Mary Mark Resease of Resease Services 1		•			4								1	
Agrical Authorization 3						-							-	
Memore-specified		•		-		4								
Quantum Methodox Quantum Met		Applied Mathematics I	3				4							
Somptime Engineering 2 Sopphies 3 Sopphie		Electromagnetism 1	3	Obara			4							
Applied Mathemanisco II		Quantum Mechanics	2				2							
Bestimone profession		Computer Engineering	2	Miyajima			2							
Andread Substance Control Engineering 2 Montano		Applied Mathematics II	3	Fukushima				4						
Republic		Electromagnetism II	3	Horie				4					1	
Solicide Machinery		Analog Electronic Circuits Engineering	2	Ohhata				2					1	
Floring Modelines 1	Required	Introduction to Solid-State Electronics	2	Terada				2					1 24	E 1
Commissioner reconsisters of the control of the c	Subjects	Electric Machinery I	2	Yamamoto				2					1	34
Physical for Semi-conductor Devices 2 Submirish 2 Su														
Receive Progressing	}							-	2					
Control Engineering 2 Finals	l								-					
Decisional and Electronic Engineering Laboratory 1									-					
Recincial and Electronic Engineering Laboratory III						-	-	-						
Electrical and Electronic Engineering Laboralory III						-	3	3	_					
Impair Design Laboratory 1 Kavalubia et al. 1 1 1 1 1 1 1 1 1				-					6					
Purple of the Control and Electronies Engineering 2 Indianaku et al														
Engineering Efficies		,		Kawabata et al.						3	-			
Research for Bachelor's Titesia 6 Nabarutor' et al.	1													
Nuclear Power, Radiation and Environment				Hakuraku et al.								1		
Profunction Engineering		Research for Bachelor's Thesis	6								9	9		
Science and Tochnology		Nuclear Power, Radiation and Environment	2	Nakamura* et al.					intensiv	e lecture				
Electron		Production Engineering	2						2					
Introduction to Material Science 2	Elective(A)	Science and Technology	2							2			6	12
Electron Environmental Engineering 2 Cloars 2		Introduction to Material Science	2							2]	12
Thermodynamias & Statistical Mechanics		Energy Engineering	2								2		6 8	
Electrical and Electronic Measurements		Environmental Engineering	2							2				
Electrical and Electronic Measurements		Thermodynamics & Statistical Mechanics	2	Obara				2						
Electrive(F) Electronagnetics in III 2 Obara. Ternda			2						2				1	
Electrone(B) Electrone(Asteirals Electrone (Asteirals Electrone) Asteirals Electrone (Asteirals Electrone) Posses 2 Habruraku				Horie									1	
Electron Corticol Materials	1 1									2			7	14
Electron Devices	l t			Obara, rerada									1	
Diptoelectronics 2 Okuda	}			I I - 11									1	
Theory of Electric Circuit III													-	
Electric Machinery II		*					-			2				
Electric Power Engineering II	l	·					2							
Elective (C) Power Electronics		•		Yamamoto					-					
High Voltage Engineering and Plasma Engineering 2 Sumiyoshi	Elective (C)	Electric Power Engineering II	2	Kawabata					2				6	12
System Control Theory 2 Hachino 2 0 0 0 0 0 0 0 0 0		Power Electronics	2	Yamamoto						2				
Fundamentals of Programming		High Voltage Engineering and Plasma Engineering	2	Sumiyoshi						2				
Digital Electronic Circuits		System Control Theory	2	Hachino						2				
Applied Electromagnetics		Fundamentals of Programming	2	Miyajima				2						
Elective(D) Systems Engineering		Digital Electronic Circuits	2	Shigei					2]	
System Engineering 2 Fukushima 2 1 2 1 4		Applied Electromagnetics	2	Nishikawa					2				1	
Elective(E) Applied Mathematics III			2	Fukushima					2				1 _	
System LSI Design Technology	Elective(D)									2			8	16
Programming Language Optical Communication Systems 2 Ohhata Fundamentals of Mathematics for Electrical and Electronics Engineers Basic Chemistry for Engineers 2 Asano, Yamashiro, Kitamura 2 Introducion to Earth Sciences Special Lecture on Electrical and Electronic Engineering I 1 Special Lecture on Electrical and Electronic Engineering II 1 Internship 2 Sumiyoshi 2 Intensive lecture 1 Intens		**											1	
Optical Communication Systems 2 Ohhata Fundamentals of Mathematics for Electrical and Electronics Engineers Basic Chemistry for Engineers 2 Asano, Yamashiro, Kitamura Special Lecture on Electrical and Electronic Engineering I Introducion to Earth Sciences Special Lecture on Electrical and Electronic Engineering II Special Lecture on Electrical and Electronic Engineering II Internship Factory Visit Electrical and Electronics Drawing Laws and Regulations on Electricity and Management of Electric Law and Regulations of Radio Wave Engineering 1 Ohhata 2 Ohhata 2 Introducion to Earth Sciences 2 Asano, Yamashiro, Kitamura 2 Introducion to Earth Sciences 3 Special Lecture on Electrical and Electronic Engineering II 1 Internship 1 Internship 2 Sumiyoshi 2 Introducion to Earth Sciences 3 Special Lecture on Electrical and Electronic Engineering II 1 Internship 1 Internship 1 Internship 1 Internship 2 Sumiyoshi 1 Intensive lecture 1 Intensiv						 		1	7	-			1	
Fundamentals of Mathematics for Electrical and Electronics 2 intensive lecture Basic Chemistry for Engineers 2 Asano, Yamashiro, Kitamura 2 intensive lecture Special Lecture on Electrical and Electronic Engineering I 1 intensive lecture Intensive lecture Intensive lecture Intensive lecture Intensive lecture Intensive Intensive lecture Intensive						-					1		1	
Engineers 2				Omiata	intencire						²			
Introducion to Earth Sciences Special Lecture on Electrical and Electronic Engineering I Special Lecture on Electrical and Electronic Engineering II Internship Factory Visit Electrical and Electronics Drawing Laws and Regulations of Radio Wave Engineering 1 Sumiyoshi 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship Law and Regulations of Radio Wave Engineering 1 Internship			2											
Special Lecture on Electrical and Electronic Engineering I 1	[Basic Chemistry for Engineers	2					2						
Elective(E) Special Lecture on Electrical and Electronic Engineering II 1		Introducion to Earth Sciences	2	Asano, Yamashiro, Kitamura				2						
Special Lecture on Electrical and Electronic Engineering II 1 1 1 1 1 1 1 1 1		Special Lecture on Electrical and Electronic Engineering I	1										1	
Elective Elective Electrice Internship 1 intensive lecture Intensi	l								intensive				1	
Factory Visit 1 intensive lecture Electrical and Electronics Drawing 2 Sumiyoshi 2 Laws and Regulations on Electricity and Management of Electric Law and Regulations of Radio Wave Engineering 1 1 1										e lecture			10	14
Electrical and Electronics Drawing 2 Sumiyoshi 2 Laws and Regulations on Electricity and Management of Electric Law and Regulations of Radio Wave Engineering 1 1	l l												1	
Laws and Regulations on Electricity and Management of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	l	•		Sumiyoshi					- Invitory		1		1	
Electric Law and Regulations of Radio Wave Engineering 1 1				эшпуолп		-		-	-				-	
			1								1			
Total 122 6 6 17 27 30 32 17 9 61 122	[Law and Regulations of Radio Wave Engineering	1								1		7 6 8	
		Total	122		6	6	17	27	30	32	17	9	61	122

¹ class hour = 90 min
2 credits = 1 class hour x 15 for lectures
1 credit is equivalent to 45 study hours including self-study
1 credit = 1 class hour x 15 for practice, exersises, training and so on

Architecture and Architectual Engineering Curriculum

	T				Se	mester	, Cla	ss hour	per we	eek	I			
Catanan	Cultivate.	Con dita	Staff.	1st	year	_	year		year		year	Total of	Total of	
Category	Subjects	Credits	Staff	term 1	term 2	term 3	term 4	term 5	term 6	term 7	term 8	Subjects	Credits	
	Freshman Seminar	2		2										
	Basic Architectural Planning	1	Kikata, Sakaino	2							П			
	Basic Design I	1	Kikata et al.	3										
	Building Structural System	2	Kurokawa		2									
	Basic Design II	1	Suzuki, Kikata, Koyama		3									
	Mathematics of Architectural Engineering	2	Honma			2								
	Architectural Planning	2				2								
	Environmental Planning I	2	Soga			2								
	Mechanics of Structure I	2	Shioya			2								
	Architectural Design I	1	Kikata, Suzuki, Sakaino			3								
	Arohitectural History	2	Kikata				2							
	Environmental Design I	2	Soga				2							
	Mechanics of Structure II	2	Honma				2							
Required	Introduction of Building Structures	2	Honma				2							
Subjects	Building Materials	2	Kurokawa				2					29	57	
	Architectural Design II	2	Suzuki, Kikata, Koyama				6				Щ			
	Building Equipment I	2	Nimiya					2			Ш			
	Building Construction	2	Sakoda*					2						
	Steel Structures	2	Sawada					2			$\vdash\vdash$			
	Architectural Design III Urban Planning	2	Suzuki, Koyama et al. Suzuki					6	2		$\vdash\vdash\vdash$			
	Structural Design for Reinforced Concrete Buildings	2	Shiova						2					
	Vibration of Structures and Disaster of Buildings	2	Sawada						2					
	Architectural Design IV	2	Kikata, Sakaino et al.						6					
	Architectural English II	2	Tenata, salamo et al.						-	2				
	Ethics of Architecture	2								2				
	Building Code	1	Sakano* et al.							1				
	Research for Bachelor's Thesis	6								20	12			
	Diploma Design	2									6			
	Regional Facilities Planning	2					2							
	Training at Factories	1					intensiv	e lecture				3	5	
	History of Landscape Architectures	2	Agemura*					2					J	
	Environmental Planning II	2	Nimiya				2	_						
	Environmental Design II	2	Soga					2				4	7	
Elective (B)	Building Equipment II	2	Nimiya						2				·	
	Exercise of Building Equipment	1	Nimiya, Nagasawa						2					
	Seminar on Structural Mechanics I	1	Shioya			2								
	Seminar on Structural Mechanics I	1	Honma, Yamamoto				2							
	Mechanics of Structure III	2	Honma					2						
	Building Material Science and Material Mechanics	2	Kurokawa					2						
	Design of Structures	2	Sawada					2						
	Experiments on Building Materials, Structures and Environments	1	Shioya, Kurokawa, Soga, Sawada, Nagasawa					2						
Elective (C)	Computer Programming Exercise	1	Honma, Nagasawa					2				13	20	
	Architectural Design	2	Kikata						2					
	Soil Mechanics and Foundation Engineering	2	Kurokawa						2					
	Introduction of Continuum Mechanics	2	Minakawa						2		Ш			
	Seminar for Reinforced Concerte Structural Design	1	Shioya						2		Ш			
	Seismic Design of Buildings	2	Sawada							2	Ш			
	Internship	1						intensiv	e lecture					
	Information and Computer Systems	2	Masuya*				2				Ш			
Elective (D)	Basic Chemistry for Engineers	2	Toorisaka*				2				Ш	3	6	
	Introducion to Earth Sciences	2	Asano*,Yamashiro*,Kitamura*				2		<u> </u>					
	Nuclear Power, Radiation and Environment	2	Nakamura* et al.						e lecture					
	Production Engineering	2						2						
	Introduction to Electronics	2						2			\sqcup	_		
Elective (E)	Environmental Engineering	2							2			7	14	
	Introduction to Material Science	2							2		\sqcup			
	Science and Technology	2	-						2	_	$\vdash \vdash \vdash$			
	Energy Engineering	2		<u> </u>	-	12	60	20	20	2	10		100	
	total	109		7	5	13	28	30	30	29	18	59	109	

Chemical Engineering Curriculum

					Se	emester	: , Clas	ss hour	per we	ek	1		
Catanami	Subjects	Credits	Staff	1st	year	2nd			year	4th	year	Total of	Total of
Category	Subjects	Credits	Statt	term 1	term 2	term 3	term 4	term 5	term 6	term 7	term 8	Subjects	Credits
	F ' ' F4'	_	T . ' W '*										
	Engineering Ethics	2	Tsutsui · Konami*				nsive						
	Applied Mathematics 1	2	Esaki*			2	-						
	Applied Mathematics 2	2	Nakazato				2						
	Information and Computer Systems	2	Masuya*				2	_					
	Computer Programming Exercise	1	Tsutsui, Mizuta					2	<u> </u>				
	Nuclear Power, Radiation and Environment	2	Nakamura* et al.					inte	nsive				
Engineering	Fundamentals of Strength of Materials	2							2				27
basics	Introducion to Earth Sciences	2	Asano*, Yamashiro*, Kitam ura*				2					14	27
	Production Engineering	2						2					
	Introduction to Electronics	2						2					
	Science and Technology	2							2				
	Environmental Engineering	2							2				
	Introduction to Material Science	2							2				
	Energy Engineering	2								2			
Chemical	Freshman Seminar	2		2									
engineering	Chemical Stoichiometry	2	Yoshida, M.			2						4	8
2 2	Thermodynamics 1	2	Takei			2						4	8
basics	Basics of Transport Phenomena	2	Takei				2						
	Fundamental Physical Chemistry	2	Takei	2									
	Fundamentals of Organic Chemistry	2	Itahara*	Ť	2								
	Introduction to Inorganic Chemistry	2	Hirata Matsunaga		2								
Specialized basics (A)	Physical Chemistry	2	Higo*		-	2							
	Organic Chemistry 1	2	Itahara*			2						8	16
ousies (11)	Analytical Chemistry	2	Yoshidome, T.*			-		2					
	Organic Chemistry 2	2	Suda*				2						
	Basics of Instrumental Analyses	2	Yoshida, M.				-		2				
	Basics of Chemical Process	2	Tsutsui				2						
	Chemical Reaction Kinetics	2.	Tsutsut				2						
			g 1: g										
	Inorganic Chemistry	2	Sameshima, S.				2						
	Student Experiments on Chemical Engineering	3						9					
Specialized	Chemical Process Engineering	2	Tsutsui					2					
basics (B)	Separation Technology 1	2	Tsutsui					2				12	24
ousies (D)	Chemical Reaction Engineering	2	Kai					2					
	Transport Phenomena	2	Hatate*					2					
	Inorganic Materials Chemistry 1	2	Sameshima, S.					2					
	Engineering English 1	2	Yoshida, M.					2					
	Exercise in Chemical Engineering	1							2				
	Engineering English 2	2	Sameshima, S., Matsunaga						2				
	Practical Exercise in Factories	1					inter	nsive					
	Seminar on Chemical Process	2					2						
	Exercise in Chemical Engineering	1	Nakazato						2				
	Thermodynamics 2	2	Hatate*						2				
	Environmental Chemical Engineering	2	Ootake*						2				
Specialized	Fine Particle Technology	2	Nakazato							2		11	24
subjects	Separation Technology 2	2	Kai						2			11	L 24
	Inorganic Materials Chemistry 2	2	Hirata, Matsunaga						2				
	Chemical Engineering Process Design	2	,						2				
	Special Research on Chemical Engineering	2								_	other		
	Research for Bachelor's Thesis	6								<u> </u>			
total		99		4	4	12	16	29	26	(5)	(1)	49	99

¹ class hour = 90 min
2 credits = 1 class hour x 15 for lectures
1 credit is equivalent to 45 study hours including self-study
1 credit = 1 class hour x 15 for practice, exersises, training and so on term 1,3,5,7 · · · April—August term 2,4,6,8 · · · October—February

Ocean Civil Engineering Curriculum

		Г	Occan Civil Engineering			Semeste	er , Cla	ss hour	oer week	:			
Coton	Cyrkinata	Cradia	gtaff.	1st	year		year		year		year	Total of Cali	Total of C 2'
Category	Subjects	Credits	Staff	term 1	term 2	term 3	term 4	term 5	term 6	term 7	term 8	Total of Subjects	TOTAL OF Credits
L					21111 2		- tall 7		Zim 0	comi /			
	Freshman Seminar	2	V	2	_								
	Introduction to Oceanography Fundamentals of Strength of Materials	2	Yamashiro · Adachi Yamaguchi		2								
	Applied Mathematics I	2	Asano•Takewaka		2	2							
	Structural Mechanics	2	Kimura			2							
	Soil Mechanics I	2	Misumi			2							
	Hydraulics I	2	Adachi			2							
	Construction Material	2	Takewaka			2							
	Applied Mathematics II	2	Adachi • Kakinuma				2						
	Soil Mechanics II	2	Misumi				2						
	Hydraulics II	2	Adachi				2						
D 1	Surveying	2	Tanaka*				2					26	50
_	Surveying Practice Environmental Physical Oceanography	2	Yamashiro				3	2				26	52
Sucjeens	Environmental Coastal Engineering	2	Asano					2					
	Structural Analysis	2	Kimura					2					
	Concrete Structural Design	2	Yamaguchi					2					
	Planning in Civil & Environmental Engineering	2						2					
	General Tutorials in Ocean Civil Engineering I	1						2					
	Maritime Environment	2	Adachi						2				
	Coastal Disaster Prevention Engineering	2	Kakinuma						2				
	Technical English for Civil Engineers	2	Yamaguchi 、						2				
	Discussions on Ethics for Civil Engineers	2	Takewaka • Asano						2				
	General Tutorials in Ocean Civil Engineering II	1	A						2	3			
	Ocean Civil Engineering Design Drawing Research for Bachelor's Thesis	6	Asano · Yamaguchi · Kimura							3			
	Exercises in Applied Mathematics I	1	Takewaka • Yamamoto			2							
	Structural Mechanics Tutorials	1	Kimura			2							
	Soil Mechanics, Tutorials	1	Misumi			2							
	Exercise in Applied Mathematics II	1	Adachi • Kakinuma				2						
Elective(A)	Exercise in Hydraulics	1	Kakinuma · Saita				2					9	9
	Structural Analysis Tutorials	1	Kimura					2					
	Concrete Structural Design Tutorials	1	Yamaguchi					2					
	Planning in Civil Engineering Tutorials	1	Yamamoto					2					
	Environmental Physical Oceanography Tutorials Introducion to Earth Sciences	2	Yamashiro Asano•Yamashiro•Kitamur				2		2				
	Marine Concrete Engineering	2	Takewaka				2						
	Pollution Control and Sanitary Engineering	2	Adachi					2					
	Dynamic Analysis of Structures	2	Kimura						2			9	18
Elective(B)	Ocean Civil Engineering Design	2	Asano•Yamaguchi•Kimura						2				
	Concrete Composite structural Design	2	Matsumoto*						2				
	Geotechnical Environmental Engineering	2								2			
	Marine Construction System Engineering	2	Hagihara*							2			
<u> </u>	Construction Management	2	Asano et al							2			
	Computer Programming Practice I Ocean Civil Engineering Experiments I	1	Yamashiro Misumi • Yamamoto			2	2						
	Ocean Civil Engineering Experiments II	1	Takewaka · Yamaguchi				3	3					
	Practical Training in Coastal Area Surveying	1	•Tanaka*						nsive			8	8
Elective (C)	Ocean Civil Engineering Experiments II	1	Kimura					lec lec	3				
	Internship in Ocean Civil Engineering	1						inte	nsive le	cture			
	Computer Programming Practice II	1								2			
	Coastal Engineering Experiments	1	Kakinuma Saita							3			
	Basic Chemistry for Engineers	2					2						
	Information and Computer Systems	2	271				2						
	Numerical Analysis	2	Ninomiya*					2					
	Production Engineering Introduction to Electronics	2						2	-			10	20
Elective(D)	Introduction to Electronics Nuclear Power, Radiation and Enviroment	2	Nakamura* et al						nsive			10	20
	Introduction to Material Science	2	ivanamura ot ai					lec	2				
	Science and Technology	2							2				
	Energy Engineering	2							T -	2			
	Environmental Engineering	2							2				
Elective	Internship	1							nsive			1	1
subject	-			_		1	2.5	-	ture				
1	total	110		2	4	18	26	29	25	16	0	63	108

¹ class hour = 90 min

 $^{2 \}text{ credits} = 1 \text{ class hour x } 15 \text{ for lectures}$

¹ credit is equivalent to 45 study hours including self-study

¹ credit = 1 class hour x 15 for practice, exersises, training and so on

term 1,3,5,7 · · · April∼August

Information Science and Biomedical Engineering Curriculum

			Staff			emester								
Category	Subjects	Credits		1st y	ear	2nd	year	3rd	year	4th	year	Total of Subjects	Total of Cre	
	,			term 1	term 2	term 3	term 4	term 5	term 6	term 7	term 8	· -		
	Introduction to Programming	2	Mizuno	2										
	Fundamentals of Information and Computer	2	Otsuka	2										
	Science Freshman Seminar	1	Fuchida et al	intensive lecture										
	Introduction to Probability and Statistics	1	Yoshida	intensive lecture								-		
	Exercises in Programming	2	Fukumoto	mireraise lecture	2							-		
	Applied Mathematics 1	2	Ohashi		2							-		
	Exercises in Applied Mathematics I	1	Ohno		2									
	Information and Biomedical Engineering											1		
	Laboratory Experiments 1	1	Uchiyama et al			3								
Required	Applied Mathematics 2	2	Yoshimoto			2								
Subjects	Exercises in Applied Mathematics II	1	Okamura			2						18	33	
Bubjeeus	Programming Language 1	2	Ono			2						_		
	Programming Language Exercise I	1	Ono•Kihara			2								
	Information and Biomedical Engineering	1	Yoshida et al				3							
	Laboratory Experiments 2 Information and Biomedical Engineering	2	Otsuka et al					6						
	Laboratory Experiments 3													
	English for System Engineers	2	Kawasaki					2				1		
	Information Ethics	2	Uchiyama						2			-		
	Information and Biomedical Engineering	2	Watanabe et al						6					
	Laboratory Experiments 4 Research for Bachelor's thesis	6				 				6	12	1		
	Information Mathematics	2	Fuchida			2				0	12		 	
	Numerical Analysis	2	Ninomiya			2		-				1		
matdd.:	Electric Circuit 1	3	Tsujimura, Nuruki			4						1		
Elective(A)	Information Theory	2	Kawasaki				2				\vdash	6	14	
	Computer Engineering	2	Yamanoue*				2					1		
	Electromagnetism	3	Kato				4					1		
	Software Engineering	2	Fuchida				2							
	Programming Language 2	2	Mizuno					2				1		
	Algorithms and Data Structures	2	Fuchida					2						
Elective(B)	Operating System	ing System 2 Sato 2		7	13									
Elective(B)	Programming Language Exercise II	1	Kashima						2					
	Automata and Formal Languages	and Formal Languages 2 Mori* 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
	Data Base									2				
	Information Logic Circuits	2	Sato			2								
	Computer Network	2	Sato				2							
	Multimedia	2	Nakayama					2				-		
	Natural Language Processing	2	Ono Yoshida					2						
Elective(C)	Measurement system Artificial Intelligence	2	Watanabe			_		2				11	22	
Dicoure(c)	Data Communication Technology	2	Ohashi					2				1 **		
	Information Security	2	Masuya*					-	2			1	1	
	Reliability Engineering	2	Otsuka						2			1		
	Pattern Engineering	2	Watanabe						2			-		
	Simulation Engineering	2	Ninomiya							2				
	Organization of Human Body	2	Uchiyama				2							
	Systems Engineering	2	Yunokuchi				2					1		
	Theory of Electric Circuit 2	2	Yunokuchi				2							
	Biological Cybemetics 1	2	Uchiyama					2						
PI (Electronic Circuits	2	Wang					2						
Elective(D)	Computational Physics	2	Kato					2				11	22	
	Electrochemistry	2	Yoshimoto			<u> </u>			2			1		
	Biological Cybernetics 2	2	Wang						2			-		
	Molecular information technology	2	Ohashi			<u> </u>			2					
	Human Interface Quantum Computer	2	Tsujimura Nakayama			\vdash			2	2		1		
	Basic Chemistry for Engineers	2	плакауаны			 	2							
			Asano*, Yamashiro*,			<u> </u>						1		
	Introducion to Earth Sciences	2	Kitamura*				2							
	Special Lecture on Information and	1						intensive lecture						
	Biomedical Engineering I	-				<u> </u>					-	-		
	Special Lecture on Information and	1						intensive lecture						
	Biomedical Engineering I	-	37.1			\vdash		intensive				1		
Elective(E)	Nuclear Power, Radiation and Enviroment	2	Nakamura* et al					lecture				13	22	
	Production Engineering	2	1					2				1		
	Introduction to Electronics	2	1					2				1		
	Introduction to Material Science	2	-						2			-		
	Science and Technology	2	1						2		-	-		
	Environmental Engineering	2	1		1	 			2	2	_	1		
	Energy Engineering Factory Observation	1				intencio	e lecture	-		2		1		
	Internship	1				aiterisiv	-100416	intensiv	e lecture			1		
	THEREITABLE	1 1	I .	1	1	ı	1			ı	1	I	1	
active Subject	Information Profession	2	Watanabe						2			1	2	

Chemistry and Biotechnology Curriculum

			y and Biotechnology				r , Cla	ss hour	per wee	k			
G-4-	California	G 12	cu m	1st	year		year		year		year	T-4-1 -60 1	T-4-1 - CO - 1"
Category	Subjects	Credits	Staff	term 1	term 2	term 3	term 4		İ	term 7	term 8	Total of Subjects	Total of Credit
	Freshman Seminar	1	All teachers	2									
	Fundamentals of Organic Chemistry	2	Shimo	2									
	Fundamental Physical Chemistry	2	Hashimoto	-	2								
	Introduction to Inorganic Chemistry	2	Ohki		2								
	Physical Chemistry I	2	Ueda		Ě	2							
	Fundamental Chemical Engineering	2	Takanashi			2							
	Applied Mathematics I	2	Ueda		\vdash	2							
D		2	Yoshidome			2	2						
Required subjects	Physical Chemistry II											16	35
	Experiment of Chemistry and Biotechnology	3	All teachers				9						
	Practice for Chemical Information Analyses	3	All teachers					9					
	Engineering English I	2	Ueda, Causer*		\vdash			2					
	Exercise of Chemistry and Biotechnology I	1	All teachers					2					
	Engineering English II	2	Larkins*		\vdash				2				
	Exercise of Chemistry and Biotechnology II	1	All teachers						2	into	nsive		
	Engineering Ethics	2	Oku*								ture		
	Research for Bachelor's Thesis	6	All teachers							6	6		
	Information and Computer Systems	2	Masuya*				2						
	Computer Programming Exercise	1	Mitsushio, Higo				2						
	Introducion to Earth Sciences	2	Asano*, Yamashiro*, Kitamura*				2						
	Nuclear Power, Radiation and Environment	2	Nakamura* et al						nsive ture				
Elective (A)	Production Engineering	2						2	time				
. /	Introduction to Electronics	2						2				10	19
	Science and Technology	2							2				
	Environmental Engineering	2	-						2			-	
	Introduction to Material Science	2							2				
	Energy Engineering	2							2	2			
	Physical Chemistry III	2	Higo		\vdash	2				- 2			
		2	_			2							
	Organic Chemistry I	2	Itahara										
	Basic Course in Biology		Hashimoto		\vdash	2							
	Polymer Chemistry	2	Kaneko		\vdash	2							
	Chemistry of Biomolecules	2	Kadokawa		\vdash		2						
Elective (B)	Inorganic Chemistry	2	Sameshima*		\vdash		2					12	24
, 1	Organic Chemistry II	2	Suda				2						
	Chemical Reaction Kinetics	2	Not yet determined*				2						
	Biological Chemistry	2	Sugimura				2						
	Instrumental Analysis I	2	Higo				2						
	Analytical Chemistry	2	Yoshidome					2					
	Organic Chemistry III	2	Suda					2					
	Biomedical Engineering	2	Baba, Abeyama, Ozawa, Sato, Hashiguchi						nsive ture				
	Structural Analysis of Biomolecules	2	Suda					2	time				
	Industrial Organic Chemistry	2	Ohki					2					
	Molecular Biology	2	Not yet determined					2					
	Instrumental Analysis II	2	Higo					2					
	Quantum Physical Chemistry	2	Kurawaki*					2					
	Chemistry of Bioresources	2	Kadokawa						2				
	Functional Material Chemistry	2	Kaneko						2				
Flactive (C)	Fundamentals of transport phenomena	2	Takei*						2			17	33
Fiective (C)	Environmental Chemical Engineering	2	Takanashi		\vdash				2			1/	33
	Quantum Theory for Organic Chemistry	2	Not yet determined						2				
			· ·		\vdash								
	Microbiology	2	Hashimoto		\vdash				2				
	Biofunctional Chemistry	2	Suda, Wakao		\vdash				2				
	Gene Engineering	2	Hashiguchi, Not yet determined						2				
	Training at Factories	1	All teachers							1			
	Natural Products Chemistry	2	Not yet determined								2		
	Biomedical Materials	2	Not yet determined								2		
					_						_		

¹ class hour = 90 min 2 credits = 1 class hour x 15 for lectures 1 credit is equivalent to 45 study hours including self-study 1 credit = 1 class hour x 15 for practice, exersises, training and so on term 1,3,5,7 · · · April— August term 2,4,6,8 · · · October \sim February