

SEMESTER 1		
Kode Code	Mata Kuliah Course Subject	SKS Credit
UP1105	Fisika Dasar I <i>Basic Physics I</i>	4
CH1101	Kimia Dasar I <i>Basic Chemistry I</i>	3
UP1104	Kalkulus I <i>Calculus I</i>	4
UP1103	B. Inggris I <i>English I</i>	2
UP1101	Berpikir Kritis <i>Critical Thinking</i>	1
UP1102	Tata Tulis Karya Ilmiah <i>Academic Writing</i>	2
CS0012	Pengantar Teknologi Informasi dan Algoritma <i>Intro. to Information Technology and Algorithm</i>	2
	Subtotal	18

SEMESTER 2		
Kode Code	Mata Kuliah Course Subject	SKS Credit
UP1202	Fisika Dasar II <i>Basic Physics II</i>	4
CH1201	Kimia Dasar II <i>Basic Chemistry II</i>	3
UP1201	Kalkulus II <i>Calculus II</i>	4
UP1203	B. Inggris II <i>English II</i>	2
UP0013	Pengantar Teknologi & Bisnis Energi <i>Intro. to Energy Bussiness and Technology</i>	2
UP1204	Berpikir Solusi Kreatif <i>Creative Problem Solving</i>	2
ME0012	Gambar Teknik <i>Engineering Drawing</i>	1
	Subtotal	18

SEMESTER 3		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE2111	Pengantar Teknik Elektro <i>Intro. to Electrical Engineering</i>	2
EE2112	Medan Elektromagnetik <i>Electromagnetic</i>	3
UP2101	Matematika Teknik I <i>Engineering Mathematic I</i>	3
EE2113	Dasar Sistem Telekomunikasi + Praktikum <i>Basic Telecommunication System + Laboratory Pactices</i>	3
EE2114	Matematika Diskrit <i>Discretee Mathematic</i>	3
EE2115	Sistem Linear <i>Linear System</i>	3
EE2116	Pengukuran dan Rangkaian Listrik I <i>Measurement and Electrical Circuit I</i>	2
	Subtotal	19

SEMESTER 4		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE2211	Probabilitas dan Statistik <i>Probability and Statistic</i>	2
EE2212	Rangkaian Digital + Praktikum <i>Digital Circuit + Laboratory Practices</i>	4
UP2201	Matematika Teknik II <i>Engineering Mathematic II</i>	3
EE2213	Rangkaian Elektronika I <i>Electronic Circuit I</i>	3
EE2214	Dasar Sistem Kontrol + Praktikum <i>Basic Control System + Laboratory Practices</i>	4
EE2215	Pengukuran dan Rangkaian Listrik 2 + Praktikum <i>Measurement and Electrical Circuit II + Laboratory Practices</i>	3
	Subtotal	19

SEMESTER 5		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE3111	Rangkaian Elektronika II + Praktikum <i>Electronic Circuit II + Laboratory Practices</i>	4
EE3112	Dasar Konversi Energi + Praktikum <i>Basic Energy Conversion + Laboratory Practices</i>	4
EE3113	Pengolahan Sinyal Digital <i>Digital Signal Processing</i>	3
EE3114	Mikroprosesor + Praktikum <i>Microprocessor + Laboratory Practices</i>	4
EE3115	Metode Numerik <i>Numerical Method</i>	3
	Subtotal	18

SEMESTER 6		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE3011	Kerja Praktek <i>Internship</i>	2
EE3211	Mesin Listrik + Praktikum <i>Electrical Machines + Laboratory Practices</i>	4
EE3212	Teknik Otomasi <i>Otomation Engineering</i>	2
EE3213	Teknologi Material Listrik <i>Electrical Material Engineering</i>	2
EE3214	Analisis Sistem Tenaga Listrik + Praktikum <i>Power System Analysis + Laboratory Practices</i>	3
EE3215	Elektronika Daya <i>Power Electronics</i>	3
EE3216	Teknik Optimasi <i>Engineering Optimization</i>	2
	Subtotal	18

SEMESTER 7		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE4011	Desain Sistem Terintegrasi <i>Capstone Design</i>	3
CO0011	Persiapan Memasuki Dunia Kerja dan Etika Profesi <i>Work and Profession Ethics</i>	2
EE4111	Sistem Kendali Cerdas <i>Intelligent Control System</i>	3
EE4112	Pengendalian Mesin Listrik <i>Electrical Machine Drive</i>	3
EE00XX	Mata Kuliah Pilihan Keahlian 1 <i>Electives Majoring Courses 1</i>	3
EE00XX	Mata Kuliah Pilihan Keahlian 2 <i>Electives Majoring Courses 2</i>	3
	Subtotal	17

SEMESTER 8		
Kode Code	Mata Kuliah Course Subject	SKS Credit
EE4012	Tugas Akhir I <i>Bachelor Thesis I</i>	5
UP0012	Pancasila dan Kewarganegaraan <i>Pancasila and Civic Education</i>	2
EE4211	Manajemen proyek dan K3 <i>Project Management and Safety</i>	2
UP0011	Agama dan Etika <i>Religion and Ethics</i>	2
EE00XX	Mata Kuliah Pilihan Keahlian 3 <i>Electives Majoring Courses 3</i>	2
EE00XX	Mata Kuliah Pilihan Keahlian 4 <i>Electives Majoring Courses 4</i>	2
EE00XX	Mata Kuliah Pilihan Keahlian 5 <i>Electives Majoring Courses 5</i>	2
	Subtotal	17