

Program Studi S1 Teknik Elektro (Electronics Engineering)

<i>Semester 1</i>			
<i>No</i>	<i>Kode</i>	<i>Nama</i>	<i>SKS</i>
1	MUH1A4	Kalkulus 1 A	4
2	FUH1A3	Fisika 1 A	3
3	FUH1B1	Praktikum Fisika 1 A	1
4	FEH1H3	Algoritma dan Pemrograman B	3
5	FEH1I1	Praktikum Algoritma dan Pemrograman B	1
6	LUH1B2	Bahasa Inggris I	2
7	DUH1A2	Literasi TIK	2
8	ETH1A2	Pengenalan Teknik Elektro	2
		<i>Jumlah SKS</i>	18

<i>1st Semester</i>			
<i>No</i>	<i>Code</i>	<i>Name</i>	<i>Credit</i>
1	MUH1A4	Calculus 1 A	4
2	FUH1A3	Physics 1 A	3
3	FEH1E1	Physics 1 A Lab. Work	1
4	FEH1H3	Algorithm and Programming B	3
5	FEH1I1	Algorithm and Programming B Lab. Work	1
6	LUH1B2	English I	2
7	DUH1A2	ICT Literacy	2
8	ETH1A2	Introduction to Electronics Engineering	2
		<i>Number of credits</i>	18

<i>Semester 2</i>			
<i>No</i>	<i>Kode</i>	<i>Nama</i>	<i>SKS</i>
1	MUH1D4	Kalkulus 2 A	4
2	FUH1D3	Fisika 2 A	3
3	FUH1E1	Praktikum Fisika 2 A	1
4	KUH1A3	Kimia	3
5	LUH2C2	Bahasa Inggris II	2
6	LUH1A2	Bahasa Indonesia	2
7	HUH1x2*	Pendidikan Agama dan Etika	2
8	FEH1J2	Konsep Pengembangan Sains dan Teknologi A	2
		<i>Jumlah SKS</i>	19

<i>2nd Semester</i>			
<i>No</i>	<i>Code</i>	<i>Name</i>	<i>Credit</i>
1	MUH1D4	Calculus 2 A	4
2	FUH1D3	Physics 2 A	3
3	FUH1E1	Physics 2 A Lab. Work	1
4	KUH1A3	Chemistry	3
5	LUH2C2	English II	2
4	LUH1A2	Indonesian Language	2
7	HUH1x2*	Education of Religion and Ethics	2
8	FEH1J2	Concept of Science and Technology Development A	2
		<i>Number of credits</i>	19

Note: *

HUH1A2 Pendidikan Agama Islam dan Etika/ HUH1A2 Islamic Religion and Ethics

HUH1B2 Pendidikan Agama Kristen dan Etika/ HUH1B2 Christian Religion and Ethics

HUH1C2 Pendidikan Agama Katolik dan Etika/ HUH1C2 Catholic Religion and Ethics

HUH1D2 Pendidikan Agama Hindu dan Etika/ HUH1D2 Hinduism Religion and Ethics

HUH1E2 Pendidikan Agama Budha dan Etika/ HUH1E2 Buddhism Religion and Ethics

HUH1F2 Pendidikan Agama Kong Hu Cu dan Etika/ HUH1F2 Confucianism Religion and Ethics

Semester 3			
No	Kode	Nama	SKS
1	MUH1G3	Matriks dan Ruang Vektor	3
2	FEH2H3	Aljabar Boolean dan Rangkaian Logika	3
3	FEH2K3	Variabel Kompleks	3
4	ETH2A1	Praktikum Teknik Elektro 1	1
5	FEH2B4	Rangkaian Listrik	4
6	FEH2F3	Elektromagnetika	3
7	DUH2A2	Kewirausahaan	2
		<i>Jumlah SKS</i>	19

3rd Semester			
No	Code	Name	Credit
6	MUH1G3	Matrices and Vector Spaces	3
2	FEH2H3	Boolean Algebra and Logic Circuits	3
3	FEH2K3	Complex Variables	3
4	ETH2A1	Electronics Lab. Work 1	1
5	FEH2B4	Electric Circuits	4
6	FEH2F3	Electromagnetics	3
7	DUH2A2	Entrepreneurship	2
		<i>Number of credits</i>	19

Semester 4			
No	Kode	Nama	SKS
1	DUH2B2	Geladi	2
2	MUH1F3	Probabilitas dan Statistika A	3
3	FEH2G4	Elektronika	4
4	ETH2B1	Praktikum Teknik Elektro 2	1
5	ETH2C4	Mikrokomputer	4
6	FEH2I3	Persamaan Diferensial dan Aplikasi	3
7	FEH2L3	Pengolahan Sinyal Waktu Kontinu	3
		<i>Jumlah SKS</i>	20

4th Semester			
No	Code	Name	Credit
1	DUH2B2	Basic On-the-Job Training	2
2	MUH1F3	Probability and statistics A	3
3	FEH2G4	Electronics	4
4	ETH2B1	Electronics Lab. Work 2	1
5	ETH2C4	Microcomputers	4
1	FEH2I3	Differential Equations and Applications	3
7	FEH2J3	Continuous-Time Signal Processing	3
		<i>Number of credits</i>	20

Semester 5			
No	Kode	Nama	SKS
1	FEH2J3	Matematika Diskrit B	3
2	FEH2D2	Studium Generale	2
3	ETH3B3	Antarmuka dan Integrasi Sistem	3
4	ETH3C3	Sistem Kendali Dasar	3
5	ETH3D1	Praktikum Teknik Elektro 3	1
6	FEH3A3	Pengolahan Sinyal Waktu Diskrit	3
7	ETH3E3	Rangkaian Elektronika Terapan	3
		<i>Jumlah SKS</i>	18

5th Semester			
No	Code	Name	Credit
1	FEH2J3	Discrete mathematics B	3
2	FEH2D2	Studium Generale	2
3	ETH3B3	System Interface and Integration	3
4	ETH3C3	Basic Control Systems	3
5	ETH3D1	Electronics Lab. Work 3	1
6	FEH3A3	Discrete-Time Signal Processing	3
7	ETH3E3	Applied Electronic Circuits	3
		<i>Number of credits</i>	18

Semester 6			
No	Kode	Nama	SKS
1	HUH1G3	Pancasila dan Kewarganegaraan	3
2	FEH2E2	Ekonomi Teknik B	2
3	ETH3F3	Instrumentasi dan Pengukuran Elektrik	3
4	ETH3G1	Praktikum Teknik Elektro 4	1
5	ETH3H3	Sistem Catu Daya	3
6	ETH3I3	Sistem Telekomunikasi	3
7	ETH3J3	Sistem Kendali Digital	3
8	FEH3B2	Kerja Praktik	2
		<i>Jumlah SKS</i>	20

6th Semester			
No	Code	Name	Credit
1	HUH1G3	Pancasila and Civics	3
2	FEH2E2	Engineering economics	2
3	ETH3F3	Electronic Instrumentation and Measurements	3
4	ETH3G1	Electronics Lab. Work 4	1
5	ETH3H3	Power Supply Systems	3
6	ETH3I3	Telecommunications System	3
7	ETH3J3	Digital Control System	3
8	FEH3B2	On-the-Job Training	2
		<i>Number of credits</i>	20

Semester 7			
No	Kode	Nama	SKS
1	FEH4A2	Penulisan Karya Ilmiah dan Proposal	2
2	ETH4A3	Metode Perancangan Terstruktur	3
3	ETH4B3	Mekatronika dan Robotika	3
4	ExH4A3	Peminatan I	3
5	ExH4B3	Peminatan II	3
6	FEHxC3	Pilihan Manajemen	3
7		Pilihan I	3
		<i>Jumlah SKS</i>	20

7th Semester			
No	Code	Name	Credit
1	FEH4A2	Scientific and Research Proposal Writing	2
2	ETH4A3	Systematic Design Methods	3
3	ETH4B3	Mechatronics and Robotics	3
4	ExH4A3	Mandatory-Elective I	3
5	ExH4B3	Mandatory-Elective II	3
6	FEHxC3	Mandatory-Elective Management	3
7		Elective I	3
		<i>Number of credits</i>	20

Semester 8			
No	Kode	Nama	SKS
1	FEH4B4	Tugas Akhir	4
2	ExH4C3	Peminatan III	3
3		Pilihan II	3
		<i>Jumlah SKS</i>	10
		<i>Jumlah SKS Total</i>	144

8th Semester			
No	Code	Name	Credit
1	FEH4B4	Final Projects	4
2	ExH4C3	Mandatory-Elective III	3
3		Elective II	3
		<i>Number of credits</i>	10
		<i>Total Number of Credits</i>	144

Pilihan Peminatan - Elektronika			
No	Kode	Nama	SKS
I	ELH4A3	Elektronika Daya	3

Electronics Track - Mandatory Elective			
No	Code	Name	Credit
I	ELH4A3	Power Electronics	3

II	ELH4B3	Perancangan Rangkaian Terintegrasi	3
III	ELH4C3	Perancangan Sistem Berbasis FPGA	3

II	ELH4B3	CMOS IC Design	3
III	ELH4C3	FPGA-based System Design	3

<i>Pilihan Peminatan - Kendali</i>			
No	Kode	Nama	SKS
I	EKH4A3	Sistem Otomatisasi Industri	3
II	EKH4B3	Sistem Kendali Cerdas	3
III	EKH4C3	Perancangan Metode Kendali	3

<i>Control Track - Mandatory Elective</i>			
No	Code	Name	Credit
I	EKH4A3	Industrial Automation Systems	3
II	EKH4B3	Intelligent Control Systems	3
III	EKH4C3	Control Method Designs	3

<i>Pilihan Peminatan - Biomedika</i>			
No	Kode	Nama	SKS
I	EBH4A3	Fisika Biomedika	3
II	EBH4B3	Perancangan Sistem Biomedika	3
III	EBH4C3	Instrumentasi Biomedika	3

<i>Biomedical Track - Mandatory Elective</i>			
No	Code	Name	Credit
I	EBH4A3	Biomedical Physics	3
II	EBH4B3	Biomedical System Designs	3
III	EBH4C3	Biomedical Instrumentation	3

<i>Pilihan Peminatan – Energi Terbarukan</i>			
No	Kode	Nama	SKS
I	ELH4A3	Elektronika Daya	3
II	ERH4A3	Sistem Energi Listrik Terbarukan	3
III	ERH4B3	Sumber Energi Terbarukan	3

<i>Renewable Energy Track - Mandatory Elective</i>			
No	Code	Name	Credit
I	ELH4A3	Power Electronics	3
II	ERH4A3	Renewable Electric Energy Systems	3
III	ERH4B3	Renewable Energy Sources	3

<i>Pilihan</i>			
No	Kode	Nama	SKS
1	ELH4D3	Integritas Sinyal dalam Perancangan PCB	3
2	ELH4E3	Elektronika Frekuensi Tinggi	3
3	ELH4F3	Pembelajaran Mesin dan Aplikasi	3
4	ELH4G3	Instrumentasi Optik	3
5	EKH4D3	Analisis Kendali Kokoh	3
6	EKH4E3	Sistem Kendali Multivariabel	3
7	EBH4D3	Pengukuran Biosinyal	3
8	TTH4P3	Computer Vision B	3

<i>Elective</i>			
No	Code	Name	Credit
1	ELH4D3	PCB Design for Signal Integrity	3
2	ELH4E3	High-Frequency Electronics	3
3	ELH4F3	Machine Learning and Applications	3
4	ELH4G3	Optical Instruments	3
5	EKH4D3	Rigid Control Analysis	3
6	EKH4E3	Multivariable Control Systems	3
7	EBH4D3	Bio-Signal Measurement	3
8	TTH4P3	Computer Vision B	3

<i>Pilihan Manajemen</i>			
<i>No</i>	<i>Kode</i>	<i>Nama</i>	<i>SKS</i>
1	FEH3C3	Manajemen Proyek	3
2	FEH4C3	Manajemen Sumber Daya	3

<i>Management - Mandatory Elective</i>			
<i>No</i>	<i>Code</i>	<i>Name</i>	<i>Credit</i>
1	FEH3C3	Project Management	3
2	FEH4C3	Resource Management	3

<i>Pilihan Tambahan</i>			
<i>No</i>	<i>Kode</i>	<i>Nama</i>	<i>SKS</i>
1	FEH4C9	Magang	9
2	FEH3D4	Sertifikasi Profesional	4

<i>Optional</i>			
<i>No</i>	<i>Code</i>	<i>Name</i>	<i>Credit</i>
1	FEH4C9	Industrial Internship	9
2	FEH3D4	Professional Certification	4

Nilai minimal lulus untuk mata kuliah- mata kuliah berikut adalah C:

LUH1A2 Bahasa Indonesia,

HUH1x2* Pendidikan Agama dan Etika,

HUH1G3 Pancasila dan Kewarganegaraan, dan

Semua mata kuliah di tahun ke-4 (Semester 7 dan 8).