

Struktur Kurikulum 2020		
Semester I		
No	Mata Kuliah	SKS
1	Stastical Learning & Optimization	3
2	ICT Business and Management	3
3	Research Methodology	3
4	Internet of Things	3
5	Intelligent Systems	3
SKS Semester I		15
Semester II		
1	Project, Seminar & Publikasi	2
2	Renewable and Sustainable Energy Technologies	3
3	Stochastic Process for Energy Systems	3
4	Operation and Control for Energy Systems	3
5	MK Pilihan 1 (Major)	3
SKS Semester II		14
Semester III		
1	Proposal Thesis	3
2	Advanced Power Electronics	3
3	MK Pilihan 2 (Major)	3
SKS Semester III		9
Semester IV		
1	Thesis	4
2	MK Pilihan 3 (Minor)	3
SKS Semester IV		7
Total SKS		45

Struktur Kurikulum 2024		
Semester I		
No	Mata Kuliah	SKS
1	Advanced Engineering Mathematics (ABK6-AAB3)	3
2	Deep Learning for Electrical Engineering (ABK6-BAB3)	3
3	Entrepreneurship for Engineers (ABK6-CAB3)	3
4	Research Philosophy and Ethics (ABK6-DAB3)	3
5	Operation and Control of Energy System	3
6	Sustainable Energy Planning	3
SKS Semester I		18
Semester II		
1	Research Design (ABK6-ZAB3)	3
2	Energy Regulation and Economics	3
3	Power Electronics	3
4	MK Pilihan 1 (Major)	3
5	MK Pilihan 2 (Major)	3
SKS Semester II		15
Semester III		
1	Thesis Proposal (ABK7-XAA3)	3
2	Thesis 1: Publication (ABK7-YAA5)	5
3	Grid Modernization	3
4	MK Pilihan 3 (Major/Minor)	3
SKS Semester III		14
Semester IV		
1	Thesis 2	5
2	MK Pilihan 4 (Major/Minor)	3
SKS Semester IV		8
Total SKS		55

Engineering Elective (Major)		
1	Energy Regulation and Economy	3
2	Energy Business Planning	3
3	Electromagnetic Compatibility and Power Quality	3
4	Energy System Protection and Component Reliability	3
5	Energy System Automation and Digitalization	3
6	Social and Environmental Aspects of Sustainable Energy	3
7	Energy Storage Techniques	3
8	Advanced Smart Grid	3

Engineering Elective (Major)		
No	Name	SKS
1	Electromagnetic Compatibility and Power Quality	3
2	Energy System Reliability and Protection	3
3	Energy System Automation and Digitalization	3
4	Social and Environmental Aspects of Sustainable Energy	3
5	Energy Storage Techniques	3
6	Energy Modeling and Simulation	3
7	Electric Transportation Systems	3
8	Direct Current Power Transmission Systems	3
9	Advanced Energy Conversion Systems	3
10	Energy Business Planning	3
11	Electrical Energy Material Technologies	3

