

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	Linear System and Control	3
3	Embedded Systems	3
4	System Modeling and Identification	3
5	MK Pilihan 1 (Major)	3
SKS Semester II		14
Semester III		
1	Proposal Thesis	3
2	Advanced Robotics	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	Modeling and Simulation of Control System	3
6	Intelligent Internet of Things	3
SKS Semester I		18
Semester II		
1	Research Design (ABK6-ZAB3)	3
2	Advanced Embedded System	3
3	Advanced Robotics	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	Advanced Machine Learning	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	Advanced Topics in Control	3
2	Industrial Automations	3
3	Advanced Machine Learning	3
4	Advanced Sensor Technology	3
5	Advanced Power System Control	3
6	Smart Grid	3
7	Advanced Topics in Biomedical Instrumentations and Signal Processing	3
8	Sensor-Based Autonomous Navigation Robots	3

Engineering Elective (Major)		
No	Name	SKS
1	System Identification	3
2	Advanced Topics in Control	3
3	Autonomous Navigation Robots	3
4	Industrial Automations	3
5	Railway Control System	3
6	Railway Power System	3
7	Advanced Biomedical Instrumentation	3
8	Advanced Topics in Biomedical Engineering	3
9	Advanced System on Chip	3
10	Advanced Topics in Electronics System	3

