

List of Courses

Bachelor of Electronic Engineering

No.	Code	Semester 1(UMB)	Credits
1	90001	Computer Application	3
2	90037	Pancasila (Indonesian Ideology)	2
3	90002	Religion	2
4	14001	Physics 1	3
5	14002	Math 1	3
6	14051	Magnitude of Electrical Measurement	3
7	14013	Magnitude of Electrical Measurement Lab Work	1
8	14004	Electrical Circuit 1	3
9	14005	Electrical Circuit Lab Work1	1
Total			21

No.	Code	Semester 2 (UMB)	Credits
1	90003	Civics	2
2	90008	Indonesian Language	2
3	14006	Math 2	3
4	14007	Computer Programming 1	3
5	14008	Physics 2	3
6	14009	Electrical Circuit 2	3
7	14052	Basic Electronics	3
8	14011	Basic Electronics Lab Work	1
Total			20

No.	Code	Semester 3 (UMB)	Credits
1	90004	UMB Ethics	2
2	90006	English 1	3
3	14049	Electrical Technique Drawing	3
4	14024	Linier System	3
5	14014	Math 3	3
6	14015	Computer Programming 2	3
7	14053	Basic Control System	3
8	14028	Basic Control System Lab Work	1

Total	21
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No.	Code	Semester 4 (UMB)	Credits
1	<u>90029</u>	Entrepreneurship 1	2
2	<u>90007</u>	English 2	3
3	<u>14020</u>	Digital Technique	3
4	14054	Basic Telecommunication	3
5	<u>14022</u>	Basic Telecommunication Lab Work	1
6	<u>14023</u>	Math 4	3
7	<u>14030</u>	Electromagnetic Field	3
8	14055	Basic Electric Energy Conversion	3
9	<u>14026</u>	Basic Electric Energy Conversion Lab Work	1
Total			22

No.	Code	Semester 5 (BIT)	Credits
1	ELC05176	Digital Electronics	3.5
2	ELC05179	Digital System Design and Experiment	2
3	ELC05177	Theory of Electromagnetic Fields and Microwave Engineering	4
4	ELC05180	Digital Signal Processing	3
5	ELC05181	Communication Circuit	3
6	ELC05182	Experiments in Communication Circuit	1
7	INF05167	Engineering Design IV	2
8	ELC05184		1
9	ELC05183	Project I	3
		Project II	1
		Project III	1
Total			24.5

No.	Code	Semester 6 (BIT)	Credits
1		Fundamentals of Control Theory	3
2		Random Signal Analysis	3
3		Principle of Digital Communication	3
4		Computer Principle and Application	3.5
5		Data Communication and Networking	2
6		Semiconductor Physics and Device Modeling	3
7		Engineering Design V	2
8	MAC03027	Basic Training of Manufacture	2

<i>Total</i>	21.5
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No.	Code	Semester 7 (BIT)	Credits
1		Fundamentals of Control Theory	4
2		Random Signal Analysis	4
3	INF05161	Principle of Digital Communication	3
4		Computer Principle and Application	2
5		Data Communication and Networking	6
<i>Total</i>			19

No.	Code	Semester 8 (BIT)	Credits
1		Graduation Thesis	12
<i>Total</i>			12