

**DAFTAR MATA KULIAH PROGRAM MAGISTER TERAPAN
PROGRAM STUDI S2 TEKNIK ELEKTRO**

SEMESTER 1

Jenis	Kode	Nama	sks	jam
Dasar	VE201104	Proposal Tesis <i>Thesis Proposal</i>	1	8
Dasar	VE201101	Matematika Lanjut, Algoritma dan Pemrograman <i>Advanced Mathematics, Algorithm and Programming</i>	3	4
Dasar	VE201102	Sinyal dan Sistem <i>Signals and Systems</i>	2	2
Dasar	VE201103	Metodologi Penelitian dan Penulisan Ilmiah <i>Research Methodology and Scientific Writing</i>	2	2
Wajib	VE201201	Komunikasi Lanjut <i>Advanced Communication</i>	2	2
Wajib	VE201202	Praktikum Komunikasi Lanjut <i>Advanced Communication Project</i>	1	3
Wajib	VE201203	Sistem Instrumentasi dan Pengukuran <i>Instrumentation and Measurement System</i>	2	2
Wajib	VE201204	Praktikum Sistem Instrumentasi dan Pengukuran <i>Instrumentation and Measurement System Project</i>	1	3
Pilihan		Mata Kuliah Pilihan 1 <i>Elective Course 1</i>	2	2
Pilihan		Praktikum Mata Kuliah Plihan 1 <i>Elective Course Project 1</i>	1	3
		Total sks	17	31

SEMESTER 2

Jenis	Kode	Nama	sks	jam
Dasar	VE202101	Progres Tesis 1 <i>Thesis Progress 1</i>	2	9
Wajib	VE202201	Sensor dan Aktuator Lanjut <i>Advanced Sensor and Actuator</i>	2	2
Wajib	VE202202	Praktikum Sensor dan Aktuator Lanjut <i>Advanced Sensor and Actuator Project</i>	1	3
Pilihan		Mata Kuliah Pilihan 2 <i>Elective Course 2</i>	2	2
Pilihan		Praktikum Mata Kuliah Pilihan 2 <i>Elective Course Project 2</i>	1	3
Pilihan		Mata Kuliah Pilihan 3 <i>Elective Course 3</i>	2	2
Pilihan		Praktikum Mata Kuliah Pilihan 3 <i>Elective Course Project 3</i>	1	3
		Total sks	11	

SEMESTER 3

Jenis	Kode	Nama	sks	jam
Dasar	VE203101	Progres Tesis 2 <i>Thesis Progress 2</i>	2	9
Dasar	VE203102	Standarisasi dan Kekayaan Intelektual <i>Standardization and Intellectual Property</i>	2	2
Wajib	VE203201	Mekatronika dan Otomasi Industri <i>Mechatronics and Industrial Automation</i>	2	2
Wajib	VE203202	Praktikum Mekatronika dan Otomasi Industri <i>Mechatronics and Industrial Automation Project</i>	1	3
Pilihan		Mata Kuliah Pilihan 4 <i>Elective Course 4</i>	2	2
Pilihan		Praktikum Mata Kuliah Pilihan 4 <i>Elective Course Project 4</i>	1	3
		Total sks	10	

SEMESTER 4

Jenis	Kode	Nama	sks	jam
Dasar	VE204101	Tesis Akhir <i>Final Thesis</i>	6	18
		Total sks	6	

DAFTAR MATA KULIAH PILIHAN

Semester Rencana	Kode	Nama	sks	jam
1	VE200001	Properti Elektronika Material <i>Electronic Properties of Material</i>	2	2
1	VE200002	Praktikum Properti Elektronika Material <i>Electronic Properties of Material Project</i>	1	3
1	VE200003	Rekayasa Kontrol Lanjut <i>Advanced Control Engineering</i>	2	2
1	VE200004	Praktikum Rekayasa Kontrol Lanjut <i>Advanced Control Engineering Project</i>	1	3
2	VE200005	Piranti Elektronika Lanjut <i>Advanced Electronic Devices</i>	2	2
2	VE200006	Praktikum Piranti Elektronika Lanjut <i>Advanced Electronic Devices Project</i>	1	3
2	VE200009	Elektronika Daya Terapan <i>Applied Power Electronic</i>	2	2
2	VE200010	Praktikum Elektronika Daya Terapan <i>Applied Power Electronic Project</i>	1	3
2	VE200013	Teknik Koding <i>Coding Techniques</i>	2	2
2	VE200014	Praktikum Teknik Koding <i>Coding Techniques Project</i>	1	3
2	VE200015	Sistem Kontrol Dinamis <i>Dynamic Control System</i>	2	2
2	VE200016	Praktikum Sistem Kontrol Dinamis <i>Dynamic Control System Project</i>	1	3
2	VE200017	Biosinyal dan Sistem Pencitraan <i>Biosignal and Imaging System</i>	2	2
2	VE200018	Praktikum Biosinyal dan Sistem Pencitraan <i>Biosignal and Imaging System Project</i>	1	3
3	VE200007	Sistem Benam Lanjut <i>Advanced Embedded System</i>	2	2
3	VE200008	Praktikum Sistem Benam Lanjut <i>Advanced Embedded System Project</i>	1	3
3	VE200011	Instrumentasi Biomedika <i>Biomedical Instrumentation</i>	2	2
3	VE200012	Praktikum Instrumentasi Biomedika <i>Biomedical Instrumentation Project</i>	1	3
3	VE200019	Sistem Komunikasi Bergerak <i>Mobile Communication Systems</i>	2	2
3	VE200020	Praktikum Sistem Komunikasi Bergerak <i>Mobile Communication Systems Project</i>	1	3
3	VE200021	Robot Kendaraan Cerdas <i>Intelligent Vehicle Robotics</i>	2	2
3	VE200022	Praktikum Robot Kendaraan Cerdas <i>Intelligent Vehicle Robotics Project</i>	1	3
3	VE200023	Energi Terbarukan <i>Renewable Energy</i>	2	2
3	VE200024	Praktikum Energi Terbarukan <i>Renewable Energy Project</i>	1	3
3	VE200025	Kemudi Elektrik Lanjut <i>Advanced Electric Drives</i>	2	2

3	VE200026	Praktikum Kemudi Elektrik Lanjut <i>Advanced Electric Drives Project</i>	1	3
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Jumlah keseluruhan sks yang wajib ditempuh : 44 sks

Update : Semester Gasal 2014/2015