

## Electrical Engineering Education Study Program Courses

No.	Code	Subject		Credit	Semester 1
1	UNV-1001	Pendidikan Agama Islam	Islam Education	2	
	UNV-1002	Pendidikan Agama Katolik	Catholic Education	2	
	UNV-1003	Pendidikan Agama Kristen	Christianity Education	2	
	UNV-1004	Pendidikan Agama Hindu	Hindu Education	2	
	UNV-1005	Pendidikan Agama Budha	Buddha Education	2	
	UNV-1006	Pendidikan Agama Kong Hu Cu	Confucianism Education	2	
2	UNV-1007	Pendidikan Pancasila	Education of Pancasila	2	
3	FKP-2001	Pengantar Pendidikan	Introduction to Education	3	
4	FKP-2002	Profesi Kependidikan	Educational Profession	2	
5	PTE-3019	Matematika Teknik	Engineering Mathematic	3	
6	PTE-3017	Fisika Teknik	Engineering Physics	2	
7	PTE-3020	Ilmu Bahan Listrik	Electric Materials	2	
8	PTE-3021	Dasar Konversi Energi Listrik	Basic Electric Power Conversion	2	
9	PTE-21201	Elektronika Analog	Analog Electronic	2	
Total				20	

No.	Code	Subject		Credit	Semester 2
1	UNV-1010	Bahasa Indonesia	Indonesian Language	2	
2	UNV-1011	Bahasa Inggris	English	2	
3	FKP-2003	Perkembangan Peserta Didik	Student Development Theory	2	
4	FKP-2004	Manajemen Pendidikan	Educational Management	2	
5	PTE-3026	Elektronika Digital	Digital Electronic	2	
6	PTE-2010	Dasar Pemrograman	Basic Programming	2	
7	PTE-21202	Kesehatan dan Keselamatan Kerja (K3)	Occupational Health and Safety	2	
8	PTE-3022	Teori Medan	Electromagnetic	3	
9	PTE-21203	Gambar Teknik	Electric Drawing	3	
Total				20	

No.	Code	Subject		Credit	Semester 3
1	UNV-1012	Pengantar Filsafat Ilmu	Introduction to Philosophy of Science	2	
2	PTE-21204	Praktik Instalasi Listrik	Electrical Installation Practice	3	
3	PTE-21205	Praktik Mikrokontroler	Microcontroller Practice	2	
4	PTE-21206	Praktik Programmable Logic Controller (PLC)	Programmable Logic Controller (PLC) Practice	3	
5	PTE-21207	Rangkaian Listrik	Electrical Circuits	2	
6	PTE-3009	Transformator	Transformator	2	
7	PTE-2002	Belajar Pembelajaran	Teaching and Learning	2	
8	PTE-21208	Kajian Kurikulum Kejuruan	Vocational Curriculum Study	2	
9	PTE-3001	Sistem Pembangkit Tenaga Listrik	Power Plant	2	
Total				20	

No.	Code	Subject		Credit	Semester 4
1	UNV-21008	Pendidikan Kewarganegaraan	Civics Education	2	
2	UNV-1009	Ke-PGRI-an	Teacher's Association of the Republic of Indonesia (PGRI) Understanding	2	
3	PTE-21209	Sistem Distribusi dan Transmisi Tenaga Listrik	Transmission and Distribution System	3	
4	PTE-3004	Proteksi Sistem Tenaga Listrik	Power System Protection	2	
5	PTE-3015	Sensor dan Transduser	Sensor and Transducers	2	
6	PTE-21210	Praktik Pengaturan Motor Listrik	Electric Motor Setting Practice	3	
7	PTE-21211	Otomasi Industri	Industrial Automation	2	
8	PTE-3040	Technopreneurship	Technopreneurship	2	
9	PTE-3034	Media Pembelajaran	Teaching Media	2	
10	PTE-3033	Strategi Belajar Mengajar	Teaching Strategies	2	
Total				22	

No.	Code	Subject		Credit	Semester 5
1	UNV-1013	Kewirausahaan	Entrepreneurship	2	
2	PTE-21212	Evaluasi Pembelajaran	Evaluation of Learning	2	
3	PTE-3036	Perencanaan Pembelajaran	Instructional Design	2	
4	PTE-3037	Statistik Pendidikan	Statistic	2	
5	PTE-3012	Elektronika Daya	Power Electronic	2	
6	PTE-21213	Analisis Sistem Tenaga Listrik	Analysis of Electric Power System	2	
7	PTE-21214	Inovasi dan Pengembangan Produk	Product Innovation and Development	3	
8	PTE-21215	Workshop Pemanfaatan Energi Listrik	Electrical Energy Utilization Workshop	3	
		Mata Kuliah Pilihan	Elective courses	4	
9	<i>PTE-3025</i>	<i>Manajemen Industri</i>	<i>Industry Management</i>	2	
10	<i>PTE-21218</i>	<i>Teknologi Kendaraan Listrik</i>	<i>Electric Vehicle Technology</i>	2	
11	<i>PTE-21224</i>	<i>Manajemen Proyek</i>	<i>Project Management</i>	2	
12	<i>PTE-21225</i>	<i>Budgeting</i>	<i>Budgeting</i>	2	
Total				22	

No.	Code	Subject		Credit	Semester 6
1	FKP-2005	Pengenalan Lapangan Persekolahan I	School Teaching Practice I	3	
2	PTE-21216	Workshop Renewable Energy	Renewable Energy Workshop	3	
3	PTE-2001	Pengajaran Mikro	Microteaching	2	
4	PTE-3038	Penelitian Pendidikan	Research Methods in Education	2	
		Mata Kuliah Pilihan	Elective courses	12	
5	<i>PTE-3028</i>	<i>Robotika</i>	<i>Robotics</i>	2	
6	<i>PTE-21219</i>	<i>Internet of Things (IoT)</i>	<i>Internet of Things (IoT)</i>	2	
7	<i>PTE-21220</i>	<i>Pendingin dan Tata Udara</i>	<i>Refrigeration and Air Conditioning</i>	2	
8	<i>PTE-21221</i>	<i>Pemeliharaan dan Perbaikan Kelistrikan</i>	<i>Electrical Maintenance and Repair</i>	2	
9	<i>PTE-3027</i>	<i>Sistem Kendali</i>	<i>Control System</i>	2	
10	<i>PTE-21222</i>	<i>Pembelajaran Berbasis TIK</i>	<i>IT Assisted Teaching</i>	2	
11	<i>PTE-21226</i>	<i>Jaringan Komputer</i>	<i>Computer network</i>	2	
12	<i>PTE-21227</i>	<i>Kepemimpinan</i>	<i>Leadership</i>	2	
13	<i>PTE-21228</i>	<i>Pemrograman Web</i>	<i>Web Programming</i>	2	
14	<i>PTE-3030</i>	<i>Sistem Cerdas</i>	<i>Intelligent System</i>	2	
15	<i>PTE-21229</i>	<i>E-Commerce</i>	<i>E-Commerce</i>	2	
16	<i>PTE-21230</i>	<i>Etika Bisnis</i>	<i>Business Ethics</i>	2	
Total				22	

No	Code	Subject		Credit	Semester 7
1	FKP-2006	Pengenalan Lapangan Persekolahan II	School Teaching Practice II	4	
2	PTE-21217	Praktik Kerja Lapangan	Industrial Practice	4	
		Mata Kuliah Pilihan	Elective courses	2	
3	<i>PTE-21223</i>	<i>SCADA</i>	<i>SCADA</i>	2	
4	<i>PTE-21231</i>	<i>Pengambilan Keputusan</i>	<i>Decision Making</i>	2	
Total				10	

No.	Code	Subject		Credit	Semester 8
1	UNV-1014	Kuliah Kerja Nyata (KKN)	Community Service Program	4	
2	UNV-1015	Skripsi	Thesis	6	
Total				10	