

**Master Study Programme in "Power Engineering" for incoming students offered by Faculty of Engineering
(amount of programme 120 ECTS or 80 KP)**

	Code	Course name	Credit points	Credit points	Study year 1		Study year 2		Teachig staff
			KP	ECTS	Semester				
					1	2	3	4	
Compulsory courses A (48 ECTS)									
1	Filz5003	Philosophy of Science	2	3	E				G.Brāzma
2	Valo6003	English for Master Students	2	3	E				D. Liepa
3	MašZ5027	Modeling of System Dynamic	4	6		E			A.Kaķītis, I.Nulle
4	LauZ5110	Engineering Research	4	6			E		I.Dukulis, V.Pīrs
5	MašZ5025	Computer-aided Measuring Systems	4	6			E		A. Kaķītis
6	TraZ5007	Fundamentals of Logistics	2	3	Tg				G. Birzietis
7	MašZ5026	Study of Patenting	2	3	Tg				E. Kronbergs
8	ETeh5006	Computer Graphics for Energetics	4	6		Tg			L. Kanceviča
9	InfT6026	Intelligent Technologies and Systems	2	3		Tg			G. Moskvins
10	MašZ5004	Ergonomics and Industrial Design	2	3	Tg				A. Kaķītis
11	ETeh5007	Mobile Systems Electric Equipment	2	3		Tg			A.Galiņš
12	VidZ5028	Agricultural Engineering and the Environment	2	3			Tg		D.Berjoza, J.Priekulis, K. Vārtukapeinis
Total			32	48	15	18	15		
Specific theoretical courses B (31.5 ECTS)									
1	Ener6001	Alternative Energetics	2	3	Tg				A.Laizāns
2	Ener4018	Energy Carriers and Energy Resources	2	3			Tg		A.Laizāns
3	Ener5004	Energy Economics in Agriculture	2	3			Tg		A.Laizāns
4	ETeh5003	Conformity and Certification of Electrical Equipmen	2	3	Tg				I. Plūme
5	ETeh6003	Reliability of Electrical Devices	2	3		Tg			A. Gedzurs
6	Ener5009	Automation of Technological Processes	2	3		Tg			G.Moskvins
7	ETeh6001	Automatic Systems Simulation	2	3	Tg				A. Gedzurs
8	Ener5014	Siltumenerģētikas speckurss	2	3			Tg		R. Šeļegovskis
9	Ener5002	Power Supply for Rural Objects	2	3		Tg			I.Straume
10	ETeh5008	Embedded Programming for Engineers	3	4.5		Tg			V.Osadčuks
Total			21	31.5	13.5	9	9		
Practice (3ECTS)									
1	LauZP076	Research in Agricultural Engineering	2	3			Tg		Master thesis supervisor
Final Examinations (37.5 ECTS)									
1	LauZ6043	Master Thesis	25	37.5	LauZ5152 1 (T)	LauZ5139 2 (T)	LauZ5153 2 (T)	LauZ6120 20	Master thesis supervisor
					1.5	3	3	30	
Total			80	120	30	30	30	30	

Explanatory notes: T - test; Tg – test with grade; E - examination

Master study program director
Dr.sc.ing., prof.

D.Berjoza