

RIGA TECHNICAL UNIVERSITY

Faculty of Electronics and Telecommunications

Foreign Students Department

STUDY PROGRAM (international students)

Profile:	Computerised Control of Electrical Technologies
Study program:	Master
Duration of studies:	2 years
Number of credits:	81 Credit Points (CP) or 122 ECTS
Previous education:	Bachelor of Engineering in Electrical Sciences
Qualification:	Master of Engineering in Electrical Sciences

		RTU program code	EMO0
A.	COMPULSORY COURSES	43 CP	
1. EEP584	Theory of Electronic Converters of Electrical Energy		4 CP
2. EEP585	Simulation of Electrical Processes		5 CP
3. EEP574	Commutated Converters		5 CP
4. EEP572	The Control Systems of Power Electronics Equipment		5 CP
5. EEP570	Elements of Automatics		9 CP
6. EEP433	Automated Electrical Drive		3 CP
7. EEP524	Design of Power Electronics Systems		3 CP
8. EEP504	Microprocessors - based Automation Systems		3 CP
9. EEP582	Control Technique with Microprocessor Controllers		3CP
10. EEP583	Industrial Frequency Converters and Inverters		2 CP
11. IDA117	Basics of Occupational Safety		1 CP
B.	LIMITED CHOICE	14 CP	
1.	<i>Specialized courses</i>	10 CP	
1.1. EEP408	Automated Electrotechnological Processes		2 CP
1.2. EEP430	Industrial Programmable Control Systems		2 CP
1.3. EEP342	Application of Computers in Electrical Equipment Design		2 CP
1.4. EEP319	Methods of Analysis and Calculation of Electronic Circuits		2 CP
1.5. EEP458	Typical Electrical Drive		5 CP
1.6. EEP581	Electro-Magnetic Compatibility in Industrial Electronic Equipment		2 CP
1.7. EEP453	Industrial Electronic Equipment		4 CP
1.8. EEP345	Unconventional Systems of Energy Conversion and Accumulation		3 CP
1.9. EES162	High Voltage Engineering		3 CP
2.	<i>Humanities and social sciences</i>	2 CP	
2.1. HSP483	Industrial Relations		2 CP
2.2. HSP488	Business Sociology		2 CP
2.3. HSP430	Social Psychology		2 CP
2.4. HSP446	Pedagogy		2 CP
3.	<i>Economy/management courses</i>	2 CP	
3.1. IUE217	Business Economics		2 CP
3.2. IUE308	Planning of Entrepreneurship		2 CP
3.3. IRO313	Organization of Production		2 CP
C.	FREE CHOICE COURSES	4CP	
E.	FINAL EXAMINATION	20 CP	
1. EEI002	Master Thesis		20 CP
2. EEL002	Master Thesis		20 CP
3. EEP002	Master Thesis		20 CP
TOTAL:		81 CP	