

RIGA TECHNICAL UNIVERSITY

Faculty of Power and Electrical Engineering

Foreign Students Department

STUDY PROGRAM (international students)

Profile:	Computerised Control of Electrical Technologies
Study program:	Bachelor
Duration of studies	3 years
Number of credits:	120 Credit Points (CP) or 180 ECTS
Previous education:	Secondary Education
Qualification:	Bachelor of Engineering Sciences in Electrical Engineering

	RTU program code	AEMO0
A. COMPULSORY COURSES	84 CP	
1. DMF101 Mathematics		9 CP
2. MFA101 Physics		6 CP
3. MMP169 Mechanics		2 CP
4. EEE101 Electricity and Magnetism		2 CP
5. ĶVĶ109 General Chemistry		2 CP
6. DIP101 Computer Studies (basic course)		3 CP
7. EEI211 Computer Studies (special course in industrial electronics)		2 CP
8. ICA301 Civil Defense		1 CP
9. IET105 Economics		3 CP
10. HFL118 Models of Social Development		2 CP
11. DIM205 Supplementary Mathematics (for electrical engineering)		2 CP
12. DMS212 Probability Theory and Mathematical Statistics		2 CP
13. EEL100 Introductory Course in Specialty		1 CP
14. HFA101 Sport Activity		0.0
15. EEE223 Fundamentals of Electrical Engineering Theory		6 CP
16. EEM208 Computerization of Mathematical Tasks in Electrical Engineering		3 CP
17. EEP475 Electronic Equipment		4 CP
18. DAI201 Electrical Measuring		3 CP
19. EEP344 Power Electronics		3 CP
20. EEM305 Electrical Machines		5 CP
21. EEP273 Basics of Regulation Theory		2 CP
22. EES262 Digital Electronics and Computer Architecture		3 CP
23. EEE215 Theory of Circuits		5 CP
24. EEP201 Theoretical Basis of Electrical Drives		6 CP
25. EEA416 Electric Supply		2 CP
26. EEI352 Programming Languages		3 CP
27. EEI481 Programming Technologies in Industrial Electronics		3 CP
B LIMITED CHOICE	20 CP	
B.1. Specialized courses	13 CP	
1.1. EES225 Basic Signal Theory		3 CP
1.2. EEA311 Electrotechnological Equipment		5 CP
1.3. EEP202 Control and Regulation of Electrical Drives		6 CP
1.4. EEP473 Basics of Production Systems Automation		3 CP
1.5. EEP203 Digital Electronics (basic level)		4 CP
1.6. EEM306 Electrical Micromachines		3 CP
1.7. EES263 Basics of Electric Power Engineering		3 CP
1.8. EEP341 Application of Computers in Automation of Technological Processes		2 CP
1.9. EEP301 Scientific Seminar in Industrial Electronics		2 CP
1.10. EEE202 Electron Devices		3 CP
1.11. EEM231 Electrical Apparatuses		3 CP
B.2. Humanities and social sciences	4 CP	

2.1. HSP375	Sociology of Management		2 CP
2.2. HSP377	General Sociology		2 CP
2.3. HSP376	Sociology of Personalities and Small Groups		2 CP
2.4. HSP378	Politology		2 CP
2.5. HSP379	Political System of Latvia		2 CP
2.6. HFL337	History and Culture of Latvia		2 CP
B.6.	Languages	3 CP	
6.1. VIL168	Latvian Language		3 CP
C.	FREE CHOICE COURSES	5CP	
E.	FINAL EXAMINATION	10 CP	
1. EEP001	Bachelor Thesis		10 CP
	TOTAL:	120 CP	