

# RIGA TECHNICAL UNIVERSITY

Faculty of Electronics and Telecommunications

Foreign Students Department

## **STUDY PROGRAM (International students)**

Profile:	Telecommunications
Study program:	Bachelor Study Programme
Duration of studies	3 years
Number of credits:	122 Credit Point or 183 ECTS
Previous education:	Secondary Education
Degree:	Bachelor Degree of Engineering Sciences in Electrical Science

RTU program code    AEBC0

<b>A.</b>	<b>COMPULSORY COURSES</b>	<b>86 CP</b>
1. DMF101	Mathematics	9 CP
2. MFA101	Physics	6 CP
3. RRE102	Electricity and Magnetism	2 CP
4. DIM205	Supplementary Mathematics (for electrical engineering)	2 CP
5. DMS212	Probability Theory and Mathematical Statistics	2 CP
6. KVK109	General Chemistry	2 CP
7. REA103	Fundamentals of Materials Science	2 CP
8. RTR105	Computer Studies (basic course)	3 CP
9. RTR108	Computer Studies (special course)	2 CP
10. RTR207	Computerization of Mathematical Tasks in Electrical Engineering	3 CP
11. RTR223	Electrical Engineering Theory	6 CP
12. RTR215	Circuit Theory	5 CP
13. RTR220	Basics of Signal Theory	4 CP
14. REA204	Electron Devices	3 CP
15. REA202	Electrical Measurements	3 CP
16. RTC106	Commercial Operations (Distance Learning e-Course)	2 CP
17. RAE261	Digital Electronics and Computer Architecture	3 CP
18. RAE362	Digital Devices and Systems	3 CP
19. RAE361	Digital Devices of Telecommunications Systems	3 CP
20. RDE301	Telecommunications Theory	5 CP
21. RDE303	Transmission Systems	4 CP
22. RAE306	Digital Switching Systems	4 CP
23. RDE302	Transmission Media	6 CP
24. RRI100	Introduction to Study Field	1 CP
<b>B.</b>	<b>OPTIONAL SUBJECTS OF LIMITED CHOICE</b>	<b>22 CP</b>
<b>B.1.</b>	<b>Specialization Courses</b>	<b>15 CP</b>
1.1. REA302	Materials, Components, Microelectronics	3 CP
1.2. RRI349	Analog and Digital Integrated Circuits	3 CP
1.3. RAE202	Computer Technology for Telecommunications	3 CP

1.4. RAE305	Teletraffic Theory	3 CP
1.5. RDE304	Electrical Measurements in Telecommunications	3 CP
1.6. RAE348	Telecommunications and Computer Networks I	3 CP
1.7. RAE359	Distributed Systems in Telecommunications	3 CP
<b>B.2.</b>	<b>Humanities / Social and Management Courses</b>	<b>4 CP</b>
2.1. HFL337	History and Culture of Latvia	2 CP
2.2. HFL336	Basic Ethics	2 CP
2.3. HSP379	Political System of Latvia	2 CP
2.4. HSP376	Sociology of Personalities and Small Groups	2 CP
2.5. HSP375	Sociology of Management	2 CP
2.6. HSP377	General Sociology	2 CP
<b>B.6.</b>	<b>Languages</b>	<b>3 CP</b>
6.1. VIL168	Latvian Language	3 CP
<b>C.</b>	<b>SUBJECTS OF FREE OPTION</b>	<b>4 CP</b>
<b>E.</b>	<b>STATE EXAMINATION</b>	<b>10 CP</b>
1. RDE001	Bachelor Thesis	10 CP
<b>TOTAL:</b>		<b>122 CP</b>