

## PROGRAMME OF STUDY

### PROFESSIONAL STUDY OF TELEMATICS

- LIST OF COURSES

1st year of study - Semester I (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
1	Mathematics 1*	5
2	Fundamentals of Electrical Engineering 1*	6
3	Fundamentals of Procedural Programming	6
4	Computer Application Fundamentals	4
5	Internet Communication	5
6	English Language 1*	4
	<b>Totally per semester</b>	<b>30</b>

1st year of study - Semester II (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
8	Mathematics 2*	5
9	Fundamentals of Electrical Engineering 2*	6
10	Algorithms and Data Structures	5
11	Signals and Systems*	5
12	Communication Technique	5
13	English Language 2*	4
	<b>Totally per semester</b>	<b>30</b>

2nd year of study – Semester III (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
14	Programming 2	6
15	Databases	6
16	Mobile Communication	4
17	Project Management	5
18	Transport Logistics	5
19	English Language 1	4
	<b>Totally per semester</b>	<b>30</b>

2nd year of study – Semester IV (Summer Semester)

<b>Course unit no.</b>	<b>Title of the course unit</b>	<b>ECTS credits</b>
20	Software Engineering	6
39	Operating Systems Concepts	5
22	TC Networks and Services	5
23	System Design in Telematics	5
24	English Language 2	4
33	<i>Multimedia Systems</i>	5
36	<i>Safety and Quality Management in Telematics</i>	5
	<b>Totally per semester</b>	<b>30</b>

3rd year of study – Semester V (Winter Semester)

<b>Course unit no.</b>	<b>Title of the course unit</b>	<b>ECTS credits</b>
25	Web Programming	5
26	Systems and Process Control	5
27	Geographic Information Systems	5
28	Telematics in Transport	6
40	Project in Telematics	4
29	<i>Enterprise Information System</i>	5
36	<i>Automation of Facilities</i>	5
21	<i>Social entrepreneurship</i>	5
	<b>Totally per semester</b>	<b>30</b>

3rd year of study – Semester VI (Summer Semester)

<b>Course unit no.</b>	<b>Title of the course unit</b>	<b>ECTS credits</b>
30	Professional Internship	13
31	Bachelor Thesis	17
	<b>Totally per semester</b>	<b>30</b>

\* the course is not available in the academic year 2022/2023