

# PROGRAMME OF STUDY

## PROFESSIONAL STUDY OF INFORMATICS

- LIST OF COURSES

### NEW PROGRAMME - 1<sup>st</sup> YEAR OF STUDY

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

Course unit no.	Title of the course unit	ECTS credits
1	Business communication and cooperation*	4
2	Procedural and modular programming*	6
3	Business processes in organizations*	4
4	English for computer scientists*	4
5	Introduction to information and communication technologies*	6
6	Mathematics for computer scientists*	6
	<b>In total per semester</b>	<b>30</b>

*\*Held only in Croatian*

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

Course unit no.	Title of the course unit	ECTS credits
7	Object Oriented Programming*	6
8	Specification of user requirements and process modeling*	5
9	Computer Graphics*	5
10	Data Modeling*	5
11	Operating systems*	5
12	Business idea development*	4
	<b>In total per semester</b>	<b>30</b>

*\*Held only in Croatian*

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

Course unit no.	Title of the course unit	ECTS credits
14	Basics of Management	4
15	Operating Systems	6
16	Data and Process Modeling	6
17	Programming*	6
18	Information Systems Security	5
25	English Language II	3
	<b>In total per semester</b>	<b>30</b>

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

Course unit no.	Title of the course unit	ECTS credits
19	Information Systems Development	6
20	Database Systems	5
21	Object-oriented Technologies I	6
22	Computer Networks	5
23	English Language III	3
	<i>Elective Courses</i>	5
33	<i>Operations Research</i>	
35	<i>Multimedia Systems</i>	
36	<i>Quality and Safety Management in Telematics</i>	
	<b>In total per semester</b>	<b>30</b>

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

Course unit no.	Title of the course unit	ECTS credits
26	Economics of Information Systems	4
27	Object-oriented Technologies II	6
28	Development of Web Applications	5
29	Programming – practicum	5
	<i>Elective Course</i>	5
30	<i>Accounting Information System*</i>	
31	<i>Information Systems of Production</i>	
32	<i>Information System for Management and Decision-making support</i>	
	<b>In total per semester</b>	<b>30</b>

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3rd year of study – Semester VI

Course unit no.	Title of the course unit	ECTS credits
33	Semester Internship	13
34	Bachelor Thesis	17
	<b>In total per semester</b>	<b>30</b>