

PROGRAMME OF STUDY

SPECIALIST GRADUATE PROFESSIONAL STUDY OF INFORMATION SYSTEMS

- LIST OF COURSES**

Specialist Graduate Study of Information Systems

Areas of specialization: Software Engineering and Information Technologies

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

Course unit no.	Title of the course unit	ECTS credits
1	Modeling and Simulations	6
2	Databases Management	4
3	Information Systems Development Tools	6
4	Communications Technologies	6
10	Information System Quality Management	4
28	Systems for Managing Manufacturing Processes	4
	Total / Semester	30

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

Course unit no.	Title of the course unit	ECTS credits
5	Information System Control and Revision	4
7	Software Engineering	4
8	Development of Object-oriented Applications	6
9	Multimedia System Development	6
11	Computer Management of Complex Systems	6
29	Interface of Business and Process Systems	4
	Total / Semester	30

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

Area of specialization: Software Engineering in Business Systems

Course unit no.	Title of the course unit	ECTS credits
13	Distributed Systems	4
14	Modular Software Engineering	4
15	Web Applications Safety	4
*	Elective Course I	6
*	Elective Course II	6
*	Elective Course III	6
	Total / Semester	30

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

Area of specialization: Business Information Systems

Course unit no.	Title of the course unit	ECTS credits
16	Information System Planning	4
17	Ergometrics and Computer Use	4
18	Internet Technologies and E-business operations	4
*	Elective Course I	6
*	Elective Course II	6
*	Elective Course III	6
Total / Semester		30

* A student of each area of specialization chooses 3 of the following elective courses:

Course unit no.	Title of the course unit
19	Methodics of Technical and Research Work
22	Office Automation
24	Information System for Decision-making Support

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

Course unit no.	Title of the course unit	ECTS credits
25	Specialist Internship	15
26	Master Thesis	15
Total / Semester		30