

INFORMATION SCIENCE AND TECHNOLOGY
for II cycle of studies

Model 1. One year full time studies with 60 ECTS

Year I				
I Semester				
No	Code	Name of the course	Number of hours	ECTS
1	06.0.F.2101.C	Design of embedded systems and rapid prototype development	3+2	6
2	11.3.F.2102.C	High performance computing	3+3	6
3	11.3.F.2103.C	Computer vision	3+2	6
4	11.9.F.2104.C	Data mining	3+2	6
5	11.1.F.2105.C	Advanced numerical methods	3+2	6

Year I				
II Semester				
No	Code	Name of the course	Number of hours	ECTS
6	1 elective from list MaE2		3+2(3)	6
7	1 elective from list MaE2		3+2(3)	6
8	1 elective from list MaE2		3+2(3)	6
9	11.9.F.2216.MaE	Master thesis – final project		12

Model 2. Two years part time studies with 60 ECTS

Year I				
I Semester				
No	Code	Name of the course	Number of hours	ECTS
1	06.0.F.2101.C	Design of embedded systems and rapid prototype development	3+2	6
2	11.3.F.2102.C	High performance computing	3+3	6
3	11.3.F.2103.C	Computer vision	3+2	6

Year I				
II Semester				
No	Code	Name of the course	Number of hours	ECTS
4	11.9.F.2104.C	Data mining	3+2	6
5	11.1.F.2105.C	Advanced numerical methods	3+2	6
6	1 elective from list MaE2		3+2(3)	6

Year II				
III Semester				
No	Code	Name of the course	Number of hours	ECTS
7	1 elective from list MaE2		3+2(3)	6
8	1 elective from list MaE2		3+2(3)	6

Година II				
Семестар IV				
No	Code	Name of the course	Number of hours	ECTS
9	11.9.F.2216.MaE	Master thesis – final project		12

List MaE2 of elective courses for second cycle studies

1	11.3.F.2201.MaE	Advanced Algorithms	3+2	6
2	11.3.F.2202.MaE	Automated Verification	3+2	6
3	11.3.F.2203.MaE	Database Management Systems	3+2	6
4	11.3.F.2204.MaE	Web Technologies	3+3	6
5	11.1.F.2205.MaE	Mathematics for Computer Graphics	3+2	6
6	11.3.F.2206.MaE	Image Processing Technologies	3+2	6
7	11.9.F.2207.MaE	Bionformatics	3+3	6
8	11.3.F.2208.MaE	Compiler Theory – advanced level	3+2	6
9	11.9.F.2209.MaE	Linear and Nonlinear Waves	3+2	6
10	11.9.F.2210.MaE	Advanced Cryptography	3+2	6
11	06.0.F.2211.MaE	Supervisory Control and Data Acquisition	3+2	6
12	06.0.F.2212.MaE	Theory of Robotics	3+2	6
13	11.3.F.2213.MaE	Declarative Programming	3+2	6
14	11.3.F.2214.MaE	Advanced Cloud Computing	3+2	6
15	11.3.F.2215.MaE	Advanced Service Oriented Architectures	3+2	6
Master thesis				
14	11.9.F.2216.MaE	Master thesis – final project		18