

BASIC DATA	
Name of the programme:	Computer Science Engineering
Degree awarded:	MSc
Name of qualification:	Computer Science Engineer
Field of the programme:	Informatics
Branch of the programme:	Software and System Engineering

Software and Information Engineering MSc			1. semester				2. semester				3. semester				4. semester			
Courses	NEPTUN ID	PRE-REQUISITE (if any)	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*	LECTURE	PRACTICAL COURSE	CREDIT	REQUIREMENTS*
<b>CORE COURSES</b>																		
Complexity of Algorithms	GEMAK121M-a	no	3	1	5	s e												
Operating Systems and Networks	GEIAL501M-a	no	3	1	5	s e												
Operation Research and Optimization	GEMAK112M-a	no	3	1	5	s e												
Software Engineering	GEIAL511M-a	no	3	1	5	s e												
Architectures and Embedded Systems	GEVAU218M-a	no	2	2	4	s e												
Discrete Mathematics	GEMAN383M-a	no	2	2	5	s e												
Database Systems	GEIAL521M-a	no					3	1	5	s e								
Information Theory	GEMAK122M-a	no					3	1	5	s e								
Communication Theory	GEVAU212M-a	no					3	1	5	s e								
Geometric Modeling	GEAGT232M-a	no					2	2	4	s e								
<b>SPECIALIZATION COURSES</b>																		
Enterprise Application Integration	GEIAK682M-a	no					2	2	4	s e								
Quality Assurance for Information Technology	GEIAK652M-a	no					2	1	3	s e								
Protection of Information Systems	GEIAL506M-a	no									2	2	4	s e				
Mobile Communications	GEVAU221M-a	no									2	2	4	s e				
Graphics Programming	GEIAL51BM-a	no									2	2	4	s e				
Parallel Algorithms	GEMAK132M-a	no									2	2	4	s e				
Data Analysis and Data Mining	GEIAL526M-a	no									2	2	4	s e				
Mobile Application Development	GEIAL51AM-a	no													2	2	4	s e
Text Mining and Analysis	GEIAL527M-a	no													2	2	4	s e
Artificial Neural Network	GEIAK631M-a	no													2	2	4	s e
<b>OPTIONAL COURSES</b>																		
Introduction to Technical English	GEIAK691M-a	no					2	2	4	s e								
Physical Basis of Information Technology	GEFIT003M-a	no					2	2	4	s e								
<b>DISSERTATION/THESIS WORK</b>																		
Degree Thesis I	GEIAL535M-a																	
Degree Thesis II	GEIAL536M-a																	
<b>OTHER/SPECIAL COURSES</b>																		
Professional Practice	GEIAL533M-a									2	s m							

\*Requirements: (e)exam/ (m) practical mark/ (s)signature / (r) report/essay