

Computer Science Engineering BSc

	Subject name and Neptun Code	Institute of	1st sem. Fall	2nd sem. Spring	3rd sem. Fall	4th sem. Spring	5th sem. Fall	6th sem. Spring	7th sem. Fall	cr.		
Natural Sciences	Mathematical Analysis I. (GEMAN151-B2a)	Mathematics	3 + 2							5	exam	
	Linear Algebra and Discrete Mathematics (GEMAN102-B2a)	Mathematics	3 + 2							6	exam	
	Mathematical Analysis II. (GEMAN161-B2a)	Mathematics		3 + 2						5	term mark	
	Discrete Mathematics II. (GEMAN122-B2a)	Mathematics		2 + 2						5	term mark	
	Comprehensive Exam in Mathematics (GEMAN138-B2a)	Mathematics		0							0	exam
	Data Structures and Algorithms (GEMAK121-B2a)	Mathematics		2 + 2							5	exam
	Introduction into Physics (GEFIT010-B2a)	Physics and Electronic Engineering			2 + 2						5	exam
	Probability Theory and Mathematical Statistics (GEMAK131-B2a)	Mathematics				2 + 2					5	exam
	Introduction to CAD Systems (GEAGT123-B2a)	Mathematics					2 + 2				5	exam
Modern Physics (GEFIT014-B2a)	Physics and Electronic Engineering					2 + 0				2	exam	
Economics and Social Sciences	Operations Management (GTVIM6001B-B2a)	Fac. of Economics	2 + 0							3	exam	
	Integrated ERP Systems (GEIAK120-B2a)	Information Science			2 + 2					5	exam	
	Management and Organization	Fac. of Economics						2 + 2		5	exam	
	Resource Planning	Information Science						2 + 2		5	exam	
Professional Subjects	Fundamentals of Programming (GEIAL311-B2a)	Information Science	3 + 2							6	exam	
	Computer Architectures (GEIAL301-B2a)	Information Science	2 + 2							5	exam	
	Object Oriented Programming (GEIAL313-B2a)	Information Science		2 + 2						5	exam	
	Operating Systems (GEIAL302-B2a)	Information Science		2 + 2						5	exam	
	Database Systems I. (GEIAL322-B2a)	Information Science			2 + 2					5	exam	
	Computer Networks (GEIAL304-B2a)	Information Science			2 + 2					5	exam	
	Software Technology (GEIAL314-B2a)	Information Science			2 + 2					5	exam	
	Optional: Comprehensive Exam in Computer Science (GEIAL300-B2a)	Information Science			0						0	exam
	Digital Systems (GEVAU195I-B2a)	Automation and Communication Technology			2 + 2						5	exam
	Security in Computer Systems (GEIAL30B-B2a)	Information Science				2 + 2					5	exam
	Database Systems II. (GEIAL323-B2a)	Information Science				2 + 2					5	exam
	Software Technology Lab (GEIAL316-B2a)	Information Science				1 + 3					5	term mark
	Basics of Web Technologies (GEIAL33H-B2a)	Information Science				1 + 2					3	term mark
	Java Programming (GEIAL31A-B2a)	Information Science				2 + 2					5	exam
	Introduction into Artificial Intelligence	Information Science					2 + 2				5	exam
	Electrotechnics-Electronics	Physics and Electronic Engineering					2 + 2				5	exam
	Graphics Programming	Information Science					2 + 2				5	term mark
	Mobile Phone Programming	Information Science					2 + 2				5	exam
	Design of Industrial IT Systems	Information Science						2 + 2			5	exam
	Advanced IT Technologies /SW Testing	Information Science						2 + 2			5	exam
Windows Operating Systems	Information Science							2 + 2		5	exam	
Specialisation in Web Technologies	Technical Communication (GEIAK100-B2a)	Information Science	2 + 2							5	exam	
	Web Technologies - Client side	Information Science					2 + 2			5	exam	
	Data Management in Web Applications	Information Science					2 + 2			5	term mark	
	Web Technologies - Server Components	Information Science						2 + 2		5	exam	
	Development of Distributed Web Applications	Information Science							2 + 2	5	term mark	
Degree Thesis									0 + 8	15	term mark	
	Physical Education 1. (ETTESME1A)	Fac. of Health Sci.	0 + 2							0	signature	
	Physical Education 2. (ETTESME2A)	Fac. of Health Sci.		0 + 2						0	signature	
Summer Internship*									0	0	signature	
optional 1	Optional by the program							2 + 2		5	exam	
e.g.	Advanced Java	Information Science										
	Embedded Systems	Automation and Communication Technology										
optional 2	Common knowledge optional from the institutional curriculum								2 + 2	5	exam	
cr/sem.			30	30	30	30	30	30	30	210		

*Obligatory: minimum of 8 weeks, preferably after the 6th semester

Comprehensive Exam in Mathematics GEMAN138-B2a: obligatory exam in the 2nd semester. Prerequisites: completion of GEMAN102-B2a and GEMAN151-B2a and registered or fulfilled GEMAN122-B2a and GEMAN161-B2a

Comprehensive Exam in Computer Science GEIAL300-B2a: optional exam in the 3rd semester. Prerequisites: completion of GEIAL302-B2a and registered or fulfilled GEIAL314-B2a