

### 1st YEAR (10 compulsory courses)

Numb.	Course	Year	Semester	Language
1	Mathematics I - Analysis I	1st	Autumn	English
2	Mathematics II - Algebra I	1st	Autumn	English
3	Programming I	1st	Autumn	English
4	Computer Practicum I	1st	Autumn	English
5	Theoretical Computer Science I – Discrete Structures	1st	Autumn	English
6	Systems I – Hardware	1st	Spring	English
7	Systems II – Operating Systems and Computer Networks	1st	Spring	English
8	Programming II – Concepts of Programming Languages	1st	Spring	English
9	Theoretical Computer Science II – Formal Languages and Computability	1st	Spring	English
10	Computer Practicum II	1st	Spring	English

### 2nd YEAR (7 compulsory and 3 elective courses)

Numb.	Course	Year	Semester	Language
1	Data Structures and Algorithms	2nd	Autumn	English
2	Programming III – Concurrent Programming	2nd	Autumn	English
3	Introduction to Database Systems	2nd	Autumn	English
4	Systems III – Information Systems	2nd	Autumn	English
5	Mathematics III – Algebra II	2nd	Spring	English
6	Mathematics IV – Combinatorics with Graph Theory	2nd	Spring	English
7	Computer Networks	2nd	Spring	English
8	Internal elective course 1/5	2nd		
9	Internal elective course 2/5	2nd		
10	External elective course 1/4 - English Language	2nd		

### 3rd YEAR (4 compulsory, 6 elective courses and seminar - final project paper)

Numb.	Course	Year	Semester	Language
1	Software Engineering	3rd	Autumn	English
2	Information Technology Management	3rd	Spring	English
3	Theoretical Computer Science III – Information Theory	3rd	Spring	English
4	Seminar – Final Project Paper	3rd	Autumn & Spring	English
5	Internal elective course 3/5	3rd		
6	Internal elective course 4/5	3rd		
7	Internal elective course 5/5	3rd		
8	External elective course 2/4	3rd		
9	External elective course 3/4	3rd		
10	External elective course 4/4	3rd		

### ELECTIVE COURSES

Numb.	Course	ECTS-credits	Course is available on the course schedule for the year of study	Internal/external elective course	Course leader	Language	Semester
1	English Language (B2)	6	2nd, 3rd	external	Martina Paradiž	English	Autumn
2	Multimedia Design	6	3rd	internal or external	Matjaž Kljun	English	Autumn
3	Introduction to Machine Learning and Data Mining	6	2nd, 3rd	internal or external	Branko Kavšek	English	Autumn
4	Adaptive Interactive Systems	6	3rd	internal or external	Marko Tkalčič	English	Autumn
5	Human-Computer Interaction	6	2nd, 3rd	internal or external	Matjaž Kljun	English	Autumn
6	Cryptography and Computer Safety	6	3rd	internal or external	Enes Pasalic	English	Autumn
7	Graph Theory	6	3rd	internal or external	Martin Milanič	English	Spring
8	Geographic Information Systems	6	3rd	internal or external	Mojca Poklar	English	Spring
9	Augmented Reality	6	2nd, 3rd	internal or external	Klen Čopič Pucihar	English	Spring
10	Data Programming	6	3rd	internal or external	Uroš Godnov	English	Spring

### SUBSEQUENT CHANGES OF OFFERED COURSES:

Possible subsequent changes of the offered courses will be published on Faculty website. Please follow the published information on the Faculty website.