

Transilvania University of Brasov, Romania

Study program: Applied Computer Science(in german)

Faculty: Mathematics and Computer Science
Study period: 3 years (bachelor)
Academic year structure: 2 semesters (14 weeks per semester)
Examination sessions (two): winter session (January/February) summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No. crt.	Course	Code	1 st Semester					2 nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Mathematical Analysis	ANM1	2	2			6					
2.	Birotics	BIR1	2		2		5					
3.	Programming I (Java)	PRJ1	2		3		6					
4.	Fundamental Algorithms	ALF1	2	1	2		5					
5.	Theory of Informatic Systems	TSI1	2		1		5					
6.	English Language 1	LSE1	1	1			2					
	Physical Education and Sport 1	EFS1		1			1					
7.	Algebraic Fundamentals of Computers	FAI2						2	2			5
8.	Computer Architecture	ASC2						2		2		6
9.	Object Oriented Programming (Java)	POO2						2		2		7
10.	Academic Integrity and Ethics	RCS2						1		2		2
11.	Numerical Calculus	CAN2						2	1	1		6
12.	Physical Education and Sport 2	EFS2						0	1			1
13.	English Language 2	LSE2						1	1			2

2nd Year

No. crt.	Course	Code	3 rd Semester					4 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Operating Systems	SO3	2		2		6					
2.	Graph Algorithms	AGR3	2	1	1		6					
3.	Formal Languages and Compilers	LFC3	2	1	1		6					
4.	Programming II (C++)	PII 3	2		2		6					
5.	Optional 1	MIP3	2		2		3					
6.	Physical Education and Sports 3	EFS3		1			1					
7.	English Language 3	LSE3	1	1			2					
8.	Databases	BD4						2		2		6
9.	Computer Graphics and Computational Geometry	GCG4						2		2		7
10.	Optional 2	TAP4						2		2		4
11.	Computer Networks	RC4						2		2		6
12.	Optional 3	IKM4						2		2		4
13.	Physical Education and Sports 4	EFS4							2			1
14.	English Language 4	LSE4						1	1			2

3rdYear

No. crt.	Course	Code	5 th Semester					6 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Informatic Systems (SAP and ABAP Language)	SI5	2	1	1		5					
2.	Computer Systems Security	SSI5	2		2		5					
3.	Distributed Databases	BBD5	2		2		5					
4.	Web Technologies	TW5	2		2		5					
5.	Practical Placement/ Practical Placement	PS5				8	5					
6.	Optional 4	DRI5	2		2		5					
7.	UI/UX Design for Web and Mobile Applications	WE6						2	1	2		6
8.	Project Management for Computer Science	MPI6						2	1	2		6
9.	Practice for the Preparation of the Bachelor's Thesis	PRL6									4	5
10.	Optional 5	KEA6						2		2		5
11.	Optional 6	IAC6						2		1		4
12.	Optional 7	DJC6						2		1		4