

Recommended study plan

INF_Ing_D_en - Informatics

Academic year **2023/2024**
Form of study **Full time**
Study grade **Master**
Study programme **2508800D_en - INF_Ing_D_en Informatics**

	C	OE	V	Together
1st year WT	3/18/13	11/66/45	1/3/3	15/87/61
1st year ST	3/18/16	9/54/36	0/0/0	12/72/52
2nd year WT	3/18/16	11/66/45	2/9/7	16/93/68
2nd year ST	4/30/27	0/0/0	0/0/0	4/30/27
Courses	13	21	2	36
Credits	84	126	9	219

1st year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000937	Skills for Success – From University to Workplace	Credit test (Z-U)	3	V		-	2	-	-	1	-	-	-	-	
2609041	Computer Graphics	Credit test and examination (ZS)	6	OE	PP	3	-	-	1	1	-	-	-	-	
26000640	Current Trends in Informatics and Cybersecurity 1	Graded credit test (KZ)	6	C	PP	-	2	-	2	-	-	-	-	-	
26000643	Data Processing Technologies and Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2612241	Digital systems design using VHDL	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2608941	Distributed Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	1	-	-	-	-	
26000653	Domain Specific Languages Development	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2611411	Functional programming	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2611461	Modelling and Simulation	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000642	Requirements Engineering	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2612331	Routing algorithms in computer networks	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2615821	Application of the network technologies	prerequisite	6												
2611531	Semantics of Programming Languages	Credit test and examination (ZS)	6	C	PP	3	-	2	-	-	-	-	-	-	
26000651	Software Systems Evolution	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000641	Team Project	Graded credit test (KZ)	6	C	PP	-	2	-	-	2	-	-	-	-	
2616071	Type theory	Credit test and examination (ZS)	6	OE	PP	2	-	2	-	-	-	-	-	-	

In period from 1st year WT to 1st year WT for enrolment to the next period is necessary to pass successfully courses for 18 credits.
In period from 1st year WT to 1st year WT is necessary to sign on 5 courses.
In period from 1st year WT to 1st year WT is necessary to sign on 3 C courses, 2 OE courses, 0 V courses.

1st year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000648	Cloud Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	1	-	-	-	-	
2608941	Distributed Systems	prerequisite	6												
26000644	Current Trends in Informatics and Cybersecurity 2	Graded credit test (KZ)	6	C	PP	-	2	-	2	-	-	-	-	-	
26000655	Diploma Project 1	Graded credit test (ZP-KZ)	6	C	PP	-	2	-	-	6	-	-	-	-	
26001197	Ethical hacking	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2615951	Logics for informaticians	Credit test and examination (ZS)	6	OE	PP	2	-	2	-	-	-	-	-	-	
26000645	Metaprogramming	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000646	Modeling and Prototyping of Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2612261	Parallel computer systems	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26000887	Stochastic modeling and data analysis	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000657	Technologies based on Switched Networks	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2615821	Application of the network technologies	prerequisite	6												
26000647	Verified System Development	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2610091	Virtual Reality Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2609041	Computer Graphics	prerequisite	6												

In period from 1st year WT to 1st year ST for enrolment to the next period is necessary to pass successfully courses for 36 credits.
In period from 1st year ST to 1st year ST is necessary to sign on 5 courses.
In period from 1st year ST to 1st year ST is necessary to sign on 3 C courses, 2 OE courses, 0 V courses.
In period from 1st year ST to 1st year ST for enrolment to the next period is necessary to pass successfully courses for 18 credits.

2nd year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000937	Skills for Success – From University to Workplace	Credit test (Z-U)	3	V		-	2	-	-	1	-	-	-	-	
26001201	Software security	Credit test and examination (ZS)	6	V	PP	2	-	-	2	-	-	-	-	-	
2609041	Computer Graphics	Credit test and examination (ZS)	6	OE	PP	3	-	-	1	1	-	-	-	-	
26000643	Data Processing Technologies and Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2612241	Digital systems design using VHDL	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000656	Diploma Project 2	Graded credit test (ZP-KZ)	6	C	PP	-	2	-	-	6	-	-	-	-	
2608941	Distributed Systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	1	-	-	-	-	
26000653	Domain Specific Languages Development	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26001198	Forensic analysis	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2611411	Functional programming	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000650	Information and Communication Security	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
2611461	Modelling and Simulation	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2611481	Parallel programming	Credit test and examination (ZS)	6	C	PP	2	-	-	2	-	-	-	-	-	
26000642	Requirements Engineering	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
26000651	Software Systems Evolution	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	-	-	-	-	-	
2616071	Type theory	Credit test and examination (ZS)	6	OE	PP	2	-	2	-	-	-	-	-	-	

In period from 2nd year WT to 2nd year WT for enrolment to the next period is necessary to pass successfully courses for 18 credits.
In period from 2nd year WT to 2nd year WT is necessary to sign on 5 courses.

In period from 2nd year WT to 2nd year WT is necessary to sign on 3 C courses, 2 OE courses, 0 V courses.

2nd year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
29000828	Basics of Business Skills for Non-Economists	Graded credit test (KZ)	6	C		-	2	-	-	-	-	-	-	-	
26000198	Labour and Commercial Law	Graded credit test (KZ)	6	C		3	-	-	-	-	-	-	-	-	

In period from 2nd year ST to 2nd year ST is necessary to sign on 4 courses.
In period from 2nd year ST to 2nd year ST is necessary to sign on 4 C courses, 0 OE courses, 0 V courses.
In period from 1st year WT to 2nd year ST for study completion is necessary to pass successfully courses for 120 credits.
In period from 2nd year WT to 2nd year ST for enrolment to the next period is necessary to pass successfully courses for 36 credits.

State examination courses

#	Code	Course	Completion	Credits	Type	Profilový predmet	Faculty
1	2611333	Diploma Thesis	State examination - Thesis Defence for 1st and 2nd Degree (ŠSO 1,2.st)	12	C	PP	FEI
	2618023	<i>Diploma Project</i>	<i>prerequisite</i>	6			
2	26000004	Main Knowledge of Study Field of Informatics and its Use	State examination for 1st and 2nd degree (ŠS 1,2.st 2016 bez %z)	6	C	PP	FEI

Explanatory:

Course type:
C - compulsory courses, OE - obligatory elective courses, V - voluntary courses

Hours grant
P - Lecture, S - Seminar, CN - Numerical exercises, CL - Laboratory exercise, PP - Project work, A - Studio, ST - Internship, E - Excursion, OP - Specialistic practice

Druh profilového predmetu
PP = Profilový predmet, DPP = Ďalší profilový predmet

Course completion
Graded credit test (KZ) - Graded credit test, Credit test and examination (ZS) - Credit test and examination, Credit test (Z-U) - Credit test, Graded credit test (ZP-KZ) - Graded credit test

Prerequisite courses in italics are shown. before the courses with a prerequisite you must successfully complete the prescribed prerequisites.

Summary table
X/Y/Z - X(total courses)/Y(Number of credits)/Z(total hours)