

Recommended study plan

EE_Ing_D_en - Electrical Power Engineering

Academic year **2023/2024**
Form of study **Full time**
Study grade **Master**
Study programme **2675802D_en - EE_Ing_D_en Electrical Power Engineering**

	C	OE	V	Together
1st year WT	3/18/13	3/18/14	0/0/0	6/36/27
1st year ST	3/18/13	4/24/23	0/0/0	7/42/36
2nd year WT	3/18/16	3/18/13	0/0/0	6/36/29
2nd year ST	3/24/24	2/12/5	0/0/0	5/36/29
Courses	12	12	0	24
Credits	78	72	0	150

1st year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
2610201	Automatization in Electric Power Engineering	Credit test and examination (ZS)	6	C	PP	2	-	1	-	1	-	-	-	-	week
26000175	Electrical power network	Credit test and examination (ZS)	6	OE	DPP	2	-	1	-	1	-	-	-	-	week
2620181	Optimisation of Electric Power System Operation	Credit test and examination (ZS)	6	C	DPP	2	-	-	2	1	-	-	-	-	week
2622201	Overvoltages in electrical network	Credit test and examination (ZS)	6	OE	PP	2	-	-	2	1	-	-	-	-	week
2620171	Quality and reliability of electric power delivery	Credit test and examination (ZS)	6	C	PP	2	-	1	1	-	-	-	-	-	week
2610161	Simulation in Electric Power System	Credit test and examination (ZS)	6	OE	DPP	2	-	-	2	1	-	-	-	-	week

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
2610243	Design of the illuminating systems	Credit test and examination (ZS)	6	OE		1	-	-	1	2	-	-	-	-	week
2618171	Electric power system operation control	Credit test and examination (ZS)	6	C	DPP	2	-	2	-	-	-	-	1	-	week
2619661	Numerical Mathematics, Probability Theory and Mathematical Statistics	Credit test and examination (ZS)	6	OE		3	-	2	-	-	-	-	-	-	week
26001211	Mathematics II	prerequisite	6												
2608241	Power Electronics	Credit test and examination (ZS)	6	OE		3	-	-	3	-	-	-	-	-	week
26001220	Professional experience in the enterprise 2	Graded credit test (KZ)	6	OE		-	-	-	-	-	-	-	-	8	week
26000721	Thesis project 1	Graded credit test (ZP-KZ)	6	C		-	2	-	-	2	-	-	-	-	week
2610221	Transient Stability of Power System	Credit test and examination (ZS)	6	C	PP	2	-	2	-	-	-	-	-	-	week

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
26000199	Automated electrical installation systems	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	1	-	-	-	-	week
26001222	Designing in the electrical power engineering	Credit test and examination (ZS)	6	OE	DPP	2	-	-	2	-	-	-	-	-	week
2610301	Diagnostic in electric power engineering	Credit test and examination (ZS)	6	C	DPP	2	-	-	2	-	-	-	-	-	week
2607893	Electromagnetic compatibility	Credit test and examination (ZS)	6	OE		2	-	-	2	1	-	-	-	-	week
2610291	Protection Systems in Electric Power System	Credit test and examination (ZS)	6	C	PP	2	-	-	1	1	-	-	-	-	week
26000722	Thesis project 2	Graded credit test (ZP-KZ)	6	C		-	2	-	-	6	-	-	-	-	week
26000721	Thesis project 1	prerequisite	6												

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	-	-	-	-	-	-	-	week
26000198	Labour and Commercial Law	Graded credit test (KZ)	6	OE		3	-	-	-	-	-	-	-	-	week
26000101	Management of Electric Power Enterprises	Graded credit test (KZ)	6	OE		2	-	-	-	-	-	-	-	-	week

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.
In period from 1st year ST to 2nd year ST is necessary to sign on 4 courses.
In period from 1st year ST to 2nd year ST is necessary to sign on 3 C courses, 1 OE course, 0 V courses.

State examination courses

#	Code	Course	Completion	Credits	Type	Profilový predmet	Faculty
1	26000009	Main Knowledge of Study Field of Electrical Engineering and its Use	State examination for 1st and 2nd degree (ŠS 1,2.st 2016 bez %z)	6	C		FEI
2	26000725	Master thesis	State examination - Thesis Defence for 1st and 2nd Degree (ŠSO 1,2.st)	12	C		FEI
	26000722	Thesis project 2	prerequisite	6			

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 = Další profilový predmet

Course completion

Credit test and examination (ZS) - Credit test and examination, Graded credit test (ZP-KZ) - Graded credit test, Graded credit test (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)