

## Recommended study plan

### EE\_Bc\_D\_en - Electrical Power Engineering

Academic year **2024/2025**  
 Form of study **Full time**  
 Study grade **Bachelor**  
 Study programme **2675702D\_en - EE\_Bc\_D\_en Electrical Power Engineering**

	C	OE	V	Together
1st year WT	8/30/25	0/0/0	1/2/2	9/32/27
1st year ST	7/31/26	0/0/0	0/0/0	7/31/26
2nd year WT	4/24/17	2/12/8	0/0/0	6/36/25
2nd year ST	3/18/12	3/18/12	0/0/0	6/36/24
3rd year WT	3/18/18	3/18/16	0/0/0	6/36/34
3rd year ST	3/24/19	2/12/8	0/0/0	5/36/27
Courses	28	10	1	39
Credits	145	60	2	207

#### 1st year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000889	Introduction to Physics	Credit test (Z-%)	2	V		-	-	2	-	-	-	-	-	-	week
26001233	FEI - Language 1	Credit test (Z-U)	2	C		-	2	-	-	-	-	-	-	-	absolvovanie predmetu je podmienka postupu do LS
26000629	Fundamentals of Algorithms and Programming	Credit test and examination (ZS)	5	C		3	-	-	2	-	-	-	-	-	week
2607333	Fundamentals of Electrical Engineering	Graded credit test (KZ)	5	C	PP	2	-	2	-	-	-	-	-	-	week
26000618	Fundamentals of Materials Engineering	Credit test and examination (ZS)	5	C		2	1	-	1	-	-	-	-	-	week
26000824	Introduction to Engineering	Credit test (Z-U)	3	C		-	2	-	-	-	-	-	-	-	week
26001210	Mathematics I	Graded credit test (KZ)	6	C		2	-	2	-	-	-	-	-	-	week
26001218	Physical Education I.	Credit test (Z-U)	1	C		-	-	-	2	-	-	-	-	-	week
26000888	Repetition of Mathematics	Credit test (Z-U)	3	C		2	-	-	-	-	-	-	-	-	week

In period from 1st year WT to 1st year WT is necessary to sign on 8 courses.

In period from 1st year WT to 1st year WT is necessary to sign on 8 C courses.

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.

#### 1st year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
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2618641	Electrotechnics	Credit test and examination (ZS)	6	C		3	3	-	-	-	-	-	-	-	week
26001234	FEI - Language 2	Credit test (Z-U)	2	C		-	2	-	-	-	-	-	-	-	absolvovanie predmetu je podmienka postupu do ďalšieho obdobia štúdia
2608123	Fundamentals of environmental engineering	Credit test and examination (ZS)	6	C		2	-	-	2	-	-	-	-	-	week
26001211	Mathematics II	Graded credit test (KZ)	6	C		2	-	2	-	-	-	-	-	-	week
26001210	Mathematics I	prerequisite	6												
26001219	Physical Education II.	Credit test (Z-U)	1	C		-	-	-	2	-	-	-	-	-	week
2600171	Physics I	Credit test and examination (ZS)	5	C		2	-	2	-	-	-	-	-	-	
2607391	Programming	Graded credit test (KZ)	5	C		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 7 courses.

In period from 1st year ST to 1st year ST is necessary to sign on 7 C 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
26001034	Electrical Machines Fundamentals	Credit test and examination (ZS)	6	C	DPP	2	-	1	1	-	-	-	-	-	week
2607643	Fundamentals of designing in electric power engineering	Graded credit test (KZ)	6	OE		1	-	-	2	1	-	-	-	-	week
2621551	Industrial Electronics	Credit test and examination (ZS)	6	OE		2	-	1	1	-	-	-	-	-	week
26001214	Mathematics III	Credit test and examination (ZS)	6	C		2	-	2	-	-	-	-	-	-	week
26001211	Mathematics II	prerequisite	6												
2607481	Physics II	Credit test and examination (ZS)	6	C		3	-	-	2	-	-	-	-	-	week
2607491	Power Transmission	Credit test and examination (ZS)	6	C	PP	2	-	2	-	-	-	-	-	-	week

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 4 C courses, 1 OE course.

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.

## 2nd year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
2607581	Conversion of Electrical Energy	Credit test and examination (ZS)	6	OE	DPP	2	2	-	-	-	-	-	-	-	week
26000136	Database systems - SQL Oracle	Credit test and examination (ZS)	6	OE		2	1	-	-	1	-	-	-	-	week
2607601	Electric Power Plants	Credit test and examination (ZS)	6	C	DPP	2	-	1	-	-	-	-	1	-	week

2607591	Faults in Electric Power System	Credit test and examination (ZS)	6	C		2	-	2	-	-	-	-	-	-	week
2602501	Light - technology	Credit test and examination (ZS)	6	C	DPP	2	1	-	-	1	-	-	-	-	week
2607801	Measurement in electric power engineering	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	1	-	-	-	-	week

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

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

### 3rd year of study WT

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
26000688	Bachelor Project	Graded credit test (ZP-KZ)	6	C		-	2	-	-	6	-	-	-	-	week
2607731	Economy in the electric power engineering	Credit test and examination (ZS)	6	OE		2	2	-	-	-	-	-	-	-	week
2607701	Electrical installation and substation	Credit test and examination (ZS)	6	C	PP	2	-	-	2	1	-	-	-	-	week
2607691	High voltage engineering	Credit test and examination (ZS)	6	C	PP	2	-	-	3	-	-	-	-	-	week
2607711	Operation of electric power plants	Credit test and examination (ZS)	6	OE		2	-	1	-	1	-	-	-	-	week
26000592	Professional experience in the enterprise 1	Graded credit test (KZ)	6	OE		-	-	-	-	-	-	-	-	8	week

In period from 3rd year WT to 3rd year WT is necessary to sign on 5 courses.

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

In period from 3rd year WT to 3rd year WT for enrolment to the next period is necessary to pass successfully courses for 18 credits.

### 3rd year of study ST

Code	Course	Completion	Credits	Type	Profilový predmet	P	S	CN	CL	PP	A	ST	E	OP	period
2620631	Electrical relaying in electric power system	Credit test and examination (ZS)	6	C		2	-	-	3	-	-	-	-	-	week
2607781	Prophylactics of power engineering equipment	Credit test and examination (ZS)	6	OE		2	-	-	2	-	-	-	-	-	week
29000888	Social sciences and technology	Graded credit test (KZ)	6	C		-	2	-	-	-	-	-	-	-	week
2607621	Unconventional energy sources	Credit test and examination (ZS)	6	OE	PP	2	-	-	1	-	-	-	1	-	week

In period from 3rd year ST to 3rd year ST is necessary to sign on 4 courses.

In period from 3rd year ST to 3rd year ST is necessary to sign on 3 C courses, 1 OE course.

In period from 3rd year WT to 3rd year ST for enrolment to the next period is necessary to pass successfully courses for 36 credits.

In period from 1st year WT to 3rd year ST for study completion is necessary to pass successfully courses for 180 credits.

### State examination courses

#	Code	Course	Completion	Credits	Type	Profilový predmet	Faculty
1	26000690	Bachelor Thesis	State examination - Thesis Defence for 1st and 2nd Degree	12	C		FEI

			(ŠSO 1,2.st)				
	26000688	Bachelor Project	<i>prerequisite</i>	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 (Z-U) - Credit test, Credit test and examination (ZS) - Credit test and examination, Graded credit test (KZ) - Graded credit test, Credit test (Z-%) - 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)