

Study program overview: Power Systems BSc (2025-2028)

Name of the Institution	University of Prishtina
Faculty / Department	Faculty of Electrical and Computer Engineering
Main campus and/or branch	Main campus
Name of study program	Power Systems
Qualification Level according to KKK	Level VI
Academic grade or name of the academic grade in diploma:	Bachelor of Science in Power Systems
ECTS:	180
Field of study according to Erasmus Subject Area Codes (ESAC)	06.2 (Power Systems)
Form of study:	Regular studies
Minimum duration of studies	3 years

Bachelor of Science in Power Systems (BSc)							
Year of study: I							
Semester: I				Hours/week			
Nr.	C/E	Subject	L	NE	LE	ECTS	Lecturer
1	C	Linear Algebra with Calculus 1	3	3	0	7	Prof. Asoc. Dr, Shqipe Lohaj Prof. Asoc. Dr, Qefserë Gjonbalaj Prof. Asoc. Dr. Valdete Rexhebeqaj Hamiti
2	C	Physics for Engineering 1	2	1	1	6	Dr.Sc. Valon Veliu
3	C	Fundamentals of electrical engineering 1	3	1	1	6	Prof. Ass. Dr. Vjosa Shatri Prof. Dr. Enver Hamiti
4	C	Fundamentals of Programming	2	0	2	6	Prof.Ass.Dr. Avni Rexhepi, Prof.Asoc. Dr. Kadri Sylejmani
5	C	Communication skills	2	0	0	3	Prof.Dr. Blerim Rexha, Prof.Dr. Sabrije Osmanaj
Elective subjects							

6	E	Practicum in Mathematics	2	0	0	2	Prof. Asoc.Dr. Valdete Rexhbeqaj-Hami
6	E	Basic Software Tools	2	0	0	2	Prof.Asoc.Dr. Besmir Sejdiu
Total:			12	6	6	30	
Within the elective subjects for the first semester, the student chooses only one elective subject.							
Year of study: I							
Semester: II			Hours/week				
Nr.	C/E	Subjects	L	NE	LE	ECTS	Lecturer
1	C	Analytical geometry with Calculus 2	3	3	0	7	Prof. Asoc. Dr. Shqipe Lohaj Prof.Asoc. Dr. Qefsere Gjonbalaj, Prof. Asoc. Dr. Valdete
2	C	Physics for engineering 2	2	1	1	5	Dr.Sc. Valon Veliu
3	C	Fundamentals of electrical engineering 2	3	1	1	6	Prof. Ass. Dr. Vjosa Shatri Prof. Dr. Enver Hamiti Prof. Dr. Mimoza Ibrani
4	C	Algorithms and data Structures	2	0	2	6	Prof.Asoc.Dr. Kadri Sylejmani Prof.Ass.Dr. Avni Rexhepi
5	C	Digital logic circuits	2	1	1	6	Prof.Asoc.Dr. Sabrije Osmanaj Prof.Ass.Dr. Artan Mazrekaj
Total:			12	6	5	30	
Year of study: II							
Semester: III			Hours/week				
Nr.	C/E	Subjects	L	NE	LE	ECTS	Lecturer
1	C	Calculus 3 and probability	3	2	0	6	Prof.Asoc.Dr. Shqipe Lohaj
2	C	Electrical materials	2	0	2	4	Prof.Asoc.Dr. Arben Gjukaj
3	C	Electrical measurements	3	0	2	5	Prof.Ass.Dr. Arben Gjukaj
4	C	Fundamentals of Power engineering	3	2	0	6	Prof.Ass.Dr. Nuri Berisha
5	C	Electronics	3	0	1	5	Prof.Dr. Qamil Kabashi
Elective subjects							
6	E	Fundamentals of automation	2	1	1	4	Prof.Ass.Dr. Lavdim Kurtaj Prof.Ass.Dr. Drilon Bunjaku

6	E	Signals and Systems	2	1	1	4	Prof.Ass.Dr. Vjosa Shatri
6	E	Object Oriented Programming	2	0	2	4	Prof. Dr. Isak Shabani
6	E	Software Application in Power Engineering	2	0	2	4	Prof.Ass.Dr. Vezir Rexhepi
Total:			16	5	7	30	

Within the elective subjects for the third semester, the student chooses only one elective subject.

Year of study: II

Semester: IV			Hours/week				
Nr.	C/E	Subjects	L	NE	LE	ECTS	Lecturer
1	C	Electrical machines and transformers	3	2	1	6	Prof.Ass.Dr. Vezir Rexhepi
2	C	Energy and environment	2	1	1	5	Prof.Ass.Dr. Arben Gjukaj
3	C	Electric Power Plants	3	2	0	6	Prof.Ass.Dr. Arben Gjukaj
4	C	Electromagnetic fields and waves	3	0	1	5	Prof.Dr. Mimoza Ibrani
5	C	Energy Management and Energy Efficiency Auditing	2	0	1	4	Prof.Asoc.Dr. Vezir Rexhepi

Elective subjects

6	E	Measurement instrumentation in Power Systems	2	2	0	4	Industry
6	E	Safety Technique and grounding systems in power networks	2	0	2	4	Prof.Ass.Dr. Arben Gjukaj
6	E	Power quality	2	0	1	4	Prof.Ass.Dr. Nuri Berisha
Total:			15	7	6	30	

Within the elective subjects for the fourth semester, the student chooses only one elective subject.

Year of study: III							
Semester: V				Hours/week			
Nr.	C/E	Subjects	L	NE	LE	ECTS	Lecturer
1	C	Economy of Electricity Markets	2	2	0	5	Prof.Ass.Dr. Vezir Rexhepi
2	C	Transmission and Distribution of Electricity	2	2	1	5	Prof.Assoc.Dr. Nuri Berisha
3	C	Power Systems facilities	2	1	1	5	MSc. Ass. Petrit Emini, PhD can.
4	C	Electric instalation and low voltage network	3	2	1	6	Prof.Ass.Dr. Arben Gjukaj
5	C	Renewable energy sources	2	1	2	5	Prof.Ass.Dr. Vezir Rexhepi
Elective subjects							
6	E	Technical and Regulatory Standards	2	0	1	4	Industry
6	E	Power electronics	2	1	1	4	Prof.Dr. Sabrije Osmanaj
6	E	Power networks	2	0	1	4	Prof.Ass.Dr. Nuri Berisha
6	E	Data communication	2	0	2	4	Prof.Assoc.Dr. Bujar Krasniqi
Total:			13	8	5	30	
Within the elective subjects for the fifth semester, the student chooses only one elective subject.							
Year of study: III							
Semester: VI				Hours/week			
Nr.	C/E	Subjects	L	NE	LE	ECTS	Lecturer
1	C	Electric drives	3	2	1	6	Prof.Ass.Dr. Nuri Berisha
2	C	Relay Protection	2	1	1	5	Prof.Ass.Dr. Vezir Rexhepi
3	C	Fundamentals of Smart Grids	2	1	1	5	Prof. Ass. Dr. Nuri Berisha
4	C	Professional practice (Internship)				7	Prof.Ass.Dr. Arben Gjukaj
Elective subjects 1							
5	E	Solar energy and photovoltaic systems	2	0	1	4	Prof.Ass.Dr. Vezir Rexhepi
5	E	Wind energy	2	0	1	4	Prof.Assoc.Dr. Vezir Rexhepi
5	E	Energy Storage Systems	2	0	1	4	Industry
Elective subjects							

6	E	Marketing for Engineers	2	1	0	3	Prof. Ass. Dr. Nora Sadiku Dushi
6	E	Entrepreneurship and Innovation	2	1	0	3	From industry
6	E	Management in Engineering	2	1	0	3	From industry
Total:			9	4	3	30	
Within the elective courses for the sixth semester, the student chooses one elective course from Elective Courses 1 and one elective course from Elective Courses 2.							