Academic year 2026-2027

School of Energy Systems and Vehicles

Autumn semester 2026 (end of August - mid December) *

*Exact dates are published at Turku UAS Semester Dates. Please note that exchange students need to attend the whole semester to complete all courses. There are no special arrangements to complete the courses beforehand.

Distributed Energy Systems (DES)			
Course name + link to study guide	**Course code**	**ECTS credits**	**Prerequisites / quota of students / weekly schedules to avoid overlapping, etc.**
Wind Power Systems	TE00DH17	5	Mon & Thu
Photovoltaic Systems	TE00DH18	5	Mon & Thu
Battery and Storage Systems	TE00DH19	5	Mon & Thu
Electricity markets	TE00DH27	4	Tu & Fri
Total		**19**	

Power Engineering			
Course name + link to study guide	**Course code**	**ECTS credits**	**Prerequisites / quota of students / weekly schedules to avoid overlapping, etc.**
Electric Drives	TE00CN26	5	
DC Power Systems	TE00CN30	5	
Electricity Distribution Networks	TE00CN28	5	
Total		**15**	

Automation Systems			
Course name + link to study guide	**Course code**	**ECTS credits**	**Prerequisites / quota of students / weekly schedules to avoid overlapping, etc.**
ICT in Automation	TE00DH58	5	
Programming and databases in automation systems	TE00CN21	5	
Introduction to Energy Monitoring Systems	TE00BX26	5	
Total		**15**	

Individual courses			
Course name + link to study guide	**Course code**	**ECTS credits**	**Prerequisites / quota of students / weekly schedules to avoid overlapping, etc.**
Hydrogen Production and Usage	TE00DH24	5	Tu & Fri
Electric Machines	TE00DI12	5	
Special **studies** in Electrical and Automation Engineering	TE00DG85	5-10	
Research project		5-15	
Electric Work Safety training (required for some lab exercises)			
Total		**20-45**	

Spring semester 2027 (January - end of April)

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Renewable Energy Project			
Course name + proper link to study guide	**Course code**	**ECTS credits**	**Prerequisites / weekly schedules**
Renewable Energy Project Development	TE00BX21	10	Mon & Thu
Renewable Energy Laboratory Project	TE00BX22	5	Mon & Thu
Total		**15**	

Power Electronics			
Course name + proper link to study guide	**Course code**	**ECTS credits**	**Prerequisites / weekly schedules**
Introduction to Power Electronics	TE00BX96	5	Tu & Fri
Power Electronics Converters	TE00DG86	5	Tu & Fri
Control of Electric Drives	TE00DG87	5	Tu & Fri
Total		**15**	

Individual courses			
Course name + proper link to study guide	**Course code**	**ECTS credits**	**Prerequisites / weekly schedules**
Special project in Electrical and Automation Engineering		5-10 ECTS	
Research project		5-15 ECTS	
Total			

Innovation Project			
Course name + proper link to study guide	**Course code**	**ECTS credits**	**Prerequisites / quota of students / weekly schedules to avoid overlapping, etc.**
Innovation Project Capstone*	TE00BL66	10	Tue & Fri
Total		**10**	

***Innovation project is typically a multidisciplinary development project implemented in co-operation with a company or another external customer. The project may also be a part of Turku University of Applied Science's internal research and development activities. Students select their preferred projects they want to work with.**