Offered as: 1-professional Specialisation: Thermal Energy / Mechatronics / Electrical Energy					
Module name	Course type	ECTS	Applied grading scale	Evaluation method	Assessment method
1 SEMESTER					
Introduction to Technical Project Writing (P0)	Project	5	Passed/Not Passed	Internal examination	Oral exam based on a project
Energy Systems of the Future (P1)	Project	10	7-point grading scale	Internal examination	Oral exam based on a project
Calculus	Course	5	7-point grading scale	Internal examination	Written or oral exam
Fundamental Energy System Physics and Topology	Course	5	Passed/Not Passed	Internal examination	Oral exam
Problem-based Learning in Science, Technology and Society	Course	5	Passed/Not Passed	Internal examination	Written exam
2 SEMESTER					
Energy Technologies	Project	15	7-point grading scale	External examination	Oral exam based on a project
Linear Algebra	Course	5	7-point grading scale	Internal examination	Written or oral exam
Introduction to Electrical Engineering	Course	5	7-point grading scale	Internal examination	Written exam
Introduction to Mechanics and Thermodynamics	Course	5	7-point grading scale	Internal examination	Written exam
3 SEMESTER					
Modelling and Analysis of Simple Energy Conversion Systems	Project	15	7-point grading scale	External examination	Oral exam based on a project
AC Circuit Theory	Course	5	7-point grading scale	Internal examination	Written exam
Applied Engineering Mathematics	Course	5	7-point grading scale	Internal examination	Written exam
Thermodynamics, Heat Transfer and Fluid Dynamics	Course	5	7-point grading scale	Internal examination	Written exam
4 SEMESTER					
Control of Energy Conversion Systems	Project	10	7-point grading scale	Internal examination	Oral exam based on a project
Fundamental Control Theory	Course	5	7-point grading scale	Internal examination	Written or oral exam
Mechanics	Course	5	7-point grading scale	Internal examination	Written exam
Real-Time Systems and Programming Languages	Course	10	Passed/Not Passed	Internal examination	Active participation and/or written assignment

Final two semesters of BSc in Energy Engineering with specialisation in Mechatronics (elective elements)

Offered as: 1-professional Specialisation: Mechatronics					
Module name	Course type	ECTS	Applied grading scale	Evaluation method	Assessment method
5 SEMESTER					
Analysis of a Mechatronic System	Project	15	7-point grading scale	External examination	Oral exam based on a project
Numerical Methods	Course	5	7-point grading scale	Internal examination	Oral exam
Power Electronics	Course	5	7-point grading scale	Internal examination	Written exam
Electrical Machines	Course	5	7-point grading scale	Internal examination	Written exam
6 SEMESTER					
BSc Project: Design of a Mechatronic System	Project	15	7-point grading scale	External examination	Oral exam based on a project
Sustainable Energy Systems: Economics, Environment, and Public Regulation	Course	5	Passed/Not Passed	Internal examination	Oral exam
Design and Control of Hydraulic Systems	Course	5	7-point grading scale	Internal examination	Written exam
State Space and Digital Control	Course	5	7-point grading scale	Internal examination	Written exam