Metropolia UAS Degree Programme in Energy and Environmental	ring background
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	tical-scientific enginee eraction nent inable energy productiny and sustainable devoran water rgy efficiency in water ray efficiency an water ray efficiency an water and multiculturalism and multiculturalism
	extent of credits  Strong mathematical-scientific Good skills of interaction Project management Clean and sustainable energy Circular economy and sustain Production of clean water Material and energy efficiency Learning to learn Operating in a workplace Ethics Sustainable development Internationality and multicul
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	extent of Strong Good s Good s Project Clean a Circula Produc Materia Ethics Sustail Internal Internal
1st year of study, Orientation and Introduction to Studies and Pro	
introduction to studies and own field Orientation to Field and Studies	tion Skills 5 x x x x x x x
of subject Engineering English and Commur Introductory Project and Profession	
Fundamentals of Chemistry	
Fundamentals of Mathematics and	
Fundamentals of Mathematics and	
Introduction to Energy and Env	
Industrial Business	5 x x x x x
	Second Language: Finnish at Work 5 x x x
Fundamentals of Mathematics and	
Mathematical Tools for Energy and En	· · · · · · · · · · · · · · · · · · ·
Applied project for Energy and En Basics of Energy and Environmen	
In total	60 60
	Energy and Environmental Engineering 40 40
energy and environmental Thermodynamics	5 x x x x x
engineering and development of Fluid Mechanics and Basics of He	Transfer 5 x x x x x
professional identity Environmental Management	5   x x   x x   x   x
Measurement Systems and Data	
Fundamentals of Mathematics and	
Computer Aided Design Life Cycle Assessment	5 x x x x x x x x x x x x x x x x x x x
Air Pollution Engineering	5   x
	ineering (Energy Production Technologies) 20
Fundamentals of Hydraulics and N	
Electrical Engineering and Electric	
Energy Technology of Power Plar	5 x x x x
Basics of Welding Engineering an	
Resource Effective Society (En	
Material and Energy Efficiency	5 x x x x
	ologies (Environmental Engineering)
Environmental Chemistry Analysis of Environmental Chemis	5 x x x x x
Equipment and Processes in Envi	
In total	60
	ineering (Energy Production Technologies) 15
clean water and the environment Design of Heat Exchangers	5 x x x
Steam and Gas Turbines	5 x x x
Boilers and Steam Generators	5 x x x x
	ologies (Environmental Engineering)
Waste Treatment Technology	
Water Treatment Technologies Water in Municipal Services	5 x       x x x x x x x x x x x x x x x
Projects on Energy and Enviror	
Multidisciplinary Innovation Project	10 x x x x x x x x x x x x x x x x x x x
Special assignment in Energy and	nvironmental Engineering 5 x x x x x x x x x x x x x x x x x x
Special Project in Energy and Env	nmental Engineering 5 x x x x x x x x x x x x x x x x x x
Energy Production (Energy Pro	
Piping and Plant Design	5 x       x x
	onitoring and Maintenance in Power Plants  5 x
Distributed and Renewable Energ Power Plants	5 x x x x x x x x x x x x x x x x x x x
Power Plants District Heating Engineering	5   x
	ologies (Environmental Engineering)
Water Management Systems	5 x x x x
Resource Effective Society (En	
Fresh Water and Sewage Piping	sign and Maintenance 5 x x x x x
Resource Effective Society	5 x x x x x x
Distributed and Renewable Energ	5 x x x x
Computer Aided Environmental E	60
In total	
In total 4th year of study, Growing into a Bachelor's Thesis	15
In total  4th year of study, Growing into a professional in the field of energy and Bachelor's Thesis	15 x x x x x x x x x x x x x x x x x x x
In total 4th year of study, Growing into a Bachelor's Thesis	15
Ath year of study, Growing into a professional in the field of energy and environmental engineering In total  Bachelor's Thesis Bachelor's Thesis Work Placement	15 x x x x x x x x x x x x x x x x x x x
4th year of study, Growing into a professional in the field of energy and environmental engineering    In total	15 x x x x x x x x x x x x x x x x x x x