Metropolia UAS Degree Program	me in Energy and Environmental Technology 17.9.2021		77												
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1st year of study. Orientation and	Introduction to Studies and Profession	30	S	G	Ъ	0	0	4	2	Г	ш	5	-	2	-
introduction to studies and own field	Orientation to Field and Studies	5		x						x	x	x			
of subject	Engineering English and Communication Skills	5		x						x	Â	~		х	
	Introductory Project and Professional Communication	5	х	х	х					х		х	х		
	Fundamentals of Chemistry	5	х							х					
	Fundamentals of Mathematics and Natural Sciences 1	5	х							х					
	Fundamentals of Mathematics and Natural Sciences 2	5	х							х					
	Introduction to Energy and Environmental Technology	30													
	Industrial Business	5		X	х							х			
	Engineering Swedisn / Finnish as a Second Language: Finnish at Work	D F		x						X				x	
	Fundamentals of mainternatics and matural sciences 3	5	X							X					
	Applied project for Energy and Environmental Engineering	5	X	x	x					x		x	x		x
	Basics of Energy and Environmental Technology	5	^	^	Ŷ	x	x	x	x	x		^	^		x
	In total	60												-	
2nd year of study, Basic studies of	Common professional studies for Energy and Environmental Engineering	40													
energy and environmental	Thermodynamics	5	х			х			х	х					х
engineering and development of	Fluid Mechanics and Basics of Heat Transfer	5	х			х			х						х
professional identity	Environmental Management	5				х	х			х	х				
	Measurement Systems and Data Handling	5	х												х
	Fundamentals of Mathematics and Natural Sciences 4	5	х												
	Computer Aided Design	5	х												х
	Life Cycle Assessment	5				X	X		х						~
	All Pollution Engineering	5 20				X	X					_		H	X
	Fundamentals of Hydraulics and Mechanics of Materials	5				x									x
	Electrical Engineering and Electric Machines	5				Ŷ									Ŷ
	Energy Technology of Power Plant	5	x			x									x
	Basics of Welding Engineering and Manufacturing Methods	5				x									х
	Resource Effective Society (Environmental Engineering)	5													
	Material and Energy Efficiency	5					х		х						х
	Water and Waste Treatment Technologies (Environmental Engineering)	15													
	Environmental Chemistry	5	х												
	Analysis of Environmental Chemistry	5	х												х
	Equipment and Processes in Environmental Engineering	5	Х												Х
Orderson of study. Custoinship success	In total	60					1	1			-				
and year of study, Sustainable energy,	Fundamentals of Power Plant Engineering (Energy Production Technologies)	15													l l
clean water and the environment	Steam and Gas Turbines	5	^			Ŷ									v
	Boilers and Steam Generators	5				x									Ŷ
	Water and Waste Treatment Technologies (Environmental Engineering)	15				~					-				^
	Waste Treatment Technology	5				х	х								х
	Water Treatment Technologies	5						х							х
	Water in Municipal Services	5						х							
	Projects on Energy and Environmental	20													
	Multidisciplinary Innovation Project	10		х	х					х		х	х	х	х
	Special assignment in Energy and Environmental Engineering	5		х	х					х		х	х	х	х
	Special Project in Energy and Environmental Engineering	5		Х	х					х	-	Х	Х	х	х
	Energy Froduction (Energy Production Technologies)	25 F				v			v						
	Provide and Frank Design Measurement Systems, Condition Monitoring and Maintenance in Power Plants	5				X Y			X						
	Alternative and Renewable Energy Sources	5				x	x								x
	Power Plants	5				x	Ĩ								x
	District Heating Engineering	5				х									х
	Water and Waste Treatment Technologies (Environmental Engineering)	5													
	Water Management Systems	5						х							
	Resource Effective Society (Environmental Engineering)	20													
	Fresh Water and Sewage Piping Design and Maintenance	5						х	х						х
	Resource Effective Society	5			х		х	х	х						
	Distributed Energy Production	5				X									X
	Lomputer Alded Environmental Engineering	C 0				X	X			X					X
4th year of study Growing into a	Bachelor's Thesis	15													
professional in the field of energy and	Bachelor's Thesis	15	x	x	x								x		x
environmental engineering	Work Placement	30													
	Work Placement 1	15		х								х	x	х	х
	Work Placement 2	15		х								х	х	х	х
	Elective Studies	15													
	In total	60													