



**Master of Science
in Renewable Energies
STUDY PROGRAM CURRICULUM**

Year 1 – Semester 1

No.	Obligatory Modules	ECTS
1	Research Methodology	6
2	Sustainable Energy Systems	6
3	Environmental Impact and Climate Change in energy production	6
4	Economics, Markets and Energy Policies	6
5	Advanced Energy Technologies	6
	Total	30

Year 1 – Semester 2

No.	Obligatory Modules	ECTS
1	Bioenergy Life Cycle Assessment – LCA.	6
2	Energy balances, (LEAP)	6
3	Waste Energy Treatment	6
4	Elective module	6
5	Elective module	6
	Total	30

Year 2 – Semester 1

SEMESTRI I

No.	Obligatory Modules	ECTS
1	Solar Thermal and Photovoltaic Plants	6
2	Bio Energy production	6
3	Wind, Hydro and Geothermal Energy	6
4	Elective module	6
5	Elective module	6
	Total	30

Year 2 – Semester 2

No.	Obligatory Modules	ECTS
1	Master Seminar (in English)	2
2	Master thesis	28
	Total	30

List of Elective Modules

No.	Module	ECTS
1	GIS	6
2	Water Management in Agriculture	6
3	Post-harvest Technologies of Plant-Based Products	6
4	Economic Efficiency of energy production	6
5	Energy Audit	6
6	Feasibility Study of Energy Plants	6
7	Electrical Engineering and Electrical Installations.	6