Introduction to Energy Science	Lecture Hours	Core 1: Conventional Energy Sources & Technologies	Lecture Hours	Core 4: Sustainable Energy Sources & Technologies II	Lecture Hours
Context and Philosophy of Energy Science	2	Fossil fuels, Combustion, Engines & Emissions	25	Biofuels, Biomass & Hydrogen	18
				Wind Energy Generation & Storage	22
Environmental Impact of Energy Utilisation	12	Nuclear Reactions, Materials & Reactor Technology	15	Total	40
Economics of Energy & Energy Regulation & Policy	15	Total	40	6 5 4 1 1 1	
		Com 2 Containable France	Lastonia	Core 5: Managing the Impact of Energy Utilisation	Lecture Hours
Thermodynamics, Reaction Kinetics and Heat Transfer	12	Core 2: Sustainable Energy Sources & Technologies I	Lecture Hours	<u> </u>	15
				Raw Materials & Natural Resource Management	12
Energy Storage Electromagnetism	12	Electrochemical Cell Technology	14	3	15
, , , , , , , , , , , , , , , , , , ,		Photovoltaics	13	Techniques for Quantitative Analysis & Characterisation of	15
Materials for Energy Applications	7	Carbon Dioxide Capture & Storage	13	Energy Critical Raw Materials	
Total	60	Total	40	Nuclear Safety &	10
		Core 3: Electric Power Le		Environmental Impact	
		Generation & Distribution	Lecture Hours	Total	40
		Power Systems, Analysis &	20		
		Smart Grids		Research Project in Academia or Industry	
		Electric Machines & Power Electronics	20	15 Weeks Full-Time	
		Total	40		