

M1268 Master of Renewable and Sustainable Energy

Academic Chair: Dr. [Manickam Minakshi](#)

Start Date: Semester 2 2024

Year 1 – 2024	Semester 1 Units	CP	Semester 2 Units	CP
			PEN592 Energy in Society	3
			PEN593 Energy Economics	3
			PEN590 Energy Systems	3
			PEN504 Greenhouse Gas Reporting and Life Cycle Assessment	3
	Total		Total	12
Year 2 - 2025	Semester 1 Units	CP	Semester 2 Units	CP
			Group – I Project	
			Core	
	PEN598 Carbon Management	3	PEN600 Energy Storage	3
	PEN591 Energy Policy	3	Specified Electives	
	PEN594 Energy Auditing and Management	3	PEN637 Applied Solar Photovoltaics	3
	PEN597 Climate Change Science and Policy	3	PEN639 Wind Energy and Hydroelectricity	3
			ENV680 Climate Change Adaptation: Ecosystems and Societies	3
			PEN601 Smart Low Carbon Cities	3
	Total	12	Total	12
			(OR)	
Year 3 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	Group – I Project		Group – II Research Dissertation	
	Core		Core	
	PEN628 Sustainable Energy Development	6	PEN624 Renewable and Sustainable Energy Dissertation	6
	Specified Electives		Specified Electives	
	PEN505 Climate Change Risk Adaptation and Resilience	3	PEN637 Applied Solar Photovoltaics	3
	PEN670 Energy Efficient Buildings	3	PEN639 Wind Energy and Hydroelectricity	3
	PEN634 Solar Thermal and Biomass	3	ENV680 Climate Change Adaptation: Ecosystems and Societies	3
	ENG214 Electrical and Electronic Circuits	3	PEN601 Smart Low Carbon Cities	3
	ENV556 Principles of Environmental Impact Assessment	3	PEN600 Energy Storage	3
	Total	12	Total	12
			(OR)	
Year 3-2026	Semester 1 Units	CP		
	Group – II Research Dissertation			
	Core			
	PEN624 Renewable and Sustainable Energy Dissertation	6		
	Specified Electives			
	PEN505 Climate Change Risk Adaptation and Resilience	3		
	PEN670 Energy Efficient Buildings	3		
	PEN634 Solar Thermal and Biomass	3		
ENG214 Electrical and Electronic Circuits	3			
ENV556 Principles of Environmental Impact Assessment	3		Total	

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	Total	12	
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TOTAL CREDIT POINTS 48

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at DD/MM/YY.