
MASTER OF ENGINEERING IN RENEWABLE ENERGY

Core Courses	02	06 Credit Hours
Elective Courses	03	09 Credit Hours
Additional Courses	02	06 Credit Hours
Mathematics Courses	01	03 Credit Hours
University Core Courses	02	06 Credit Hours
Thesis	--	09 Credit Hours
Total		39 Credit Hours

CORE COURSES

S. No.		Course	Credit Hours
1.	RES-511	Photovoltaic Power System Design	3
2.	RES-512	Wind Power System	3

ELECTIVE COURSES

S. No.		Course	Credit Hours
1.	RES-521	Biomass Engineering	3
2.	RES-522	New Energy Materials and Devices	3
3.	RES-523	Energy Storage Devices	3
4.	RES-524	Energy Management and Audit	3
5.	RES-525	Alternate Energy Engineering	3
6.	RES-526	Solid Waste Management	3
7.	RES-527	Water Resource Management	3
8.	RES-528	Energy Management and Audit	3

ADDITIONAL COURSES

As recommended for research area of thesis (If not taken in Undergrad)			
S. No.		Course	Credit Hours
1.	RES-501	Electrical Machines	3
2.	RES-502	Power Electronics	3
3.	RES-503	Heat Transfer	3
4.	RES-504	Fluid Mechanics	3
5.	RES-506	Electricity, Transmission, Distribution and Storage	3
6.	RES-507	General Chemistry	3
7.	RES-508	Solid State Physics	3
9.	RES-509	Nano Technology	3

MATHEMATICS COURSE

S. No.		Course	Credit Hours
1.	MTS-511	Advanced Engineering Mathematics	3

UNIVERSITY CORE COURSES

S. No.		Course	Credit Hours
1.	UCC-511	Research Methodologies	3
2.	UCC-512	Advanced Computational Mathematics	3

THESIS

S. No.		Course	Credit Hours
1.	RES-690	Advanced Computational Mathematics	3