

ENERGY CENTRE ऊर्जा केंद्र

Master of Science (M. Sc.) Part Time in Energy Economics and Management

Scheme of Study (w.e.f-July 2025)

First Semester:

Subject Code	Title of the Course	L	T	P	Credit
MC EM 1101	Statistical Analysis	3	0	-	3
EN EM 1102	Sustainable Energy Systems	3	0	-	3
HS EM 1103	Managerial Economics	3	0	-	3
	Department Elective-1	3	0	-	3
EN EM 1108	Minor Project-1 (Self Learning)	-	-	-	2
EN EM 1105	Energy Lab-1	-	-	2	1
Total No. of Credits:					15

Second Semester:

Subject Code	Title of the Course	L	T	P	Credit
EN EM 1104	Energy Audit and Management	3	-	-	3
HS EM 1201	Econometrics	3	-	-	3
EN EM 1202	Waste and Pollution Management	3	-	-	3
	Department Elective II	3	-	-	3
EN EM 1208	Minor Project-2 (Self Learning)	-	-	-	2
EN EM 1107	Seminar-1	-	-	2	1
HS EM 1106	Economics Lab	-	-	2	1
HS 1101	Communication skills	2	0	-	-
Total No. of Credits:					16
*Communication Skill credit point is not considered for CGPA/SGPA calculations.					

Third Semester:

Subject Code	Title of the Course	L	T	P	Credit
EN EM 1203	Energy Policies and Planning	3	-	-	3
EN EM 1204	Green Building Economics	3	-	-	3
MG EM 2101	Project and Financial Management of Energy Systems	3	0	-	3
	Department Elective III	3	-	-	3
EN EM 1205	Energy Lab 2	-	-	2	1
HS EM 1206	Econometrics Lab-1	-	-	2	1
EN EM 1207	Seminar-2	-	-	2	1
Total No. of Credits:					15

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Fourth Semester:

Subject Code	Title of the Course	L	T	P	Credit
HS EM 2102	Energy and Environmental Economics	3	-	-	3
EN EM 2103	Energy Storage Management	3	-	-	3
EN EM 2104	Smart Energy Systems Management	3	-	-	3
EN EM 2107	Seminar-3	-	-	2	1
EN EM 2105	Energy Lab 3	-	-	2	1
HS EM 2106	Econometrics Lab-2	-	-	2	1
EN EM 2108	Minor Project-3 (Self Learning)	-	-	-	2
Total No. of Credits:					14

Fifth Semester:

Subject Code	Title of the Course	L	T	P	Credit
EN EM 3101	Major Project Dissertation- Phase 1	-	-	20	10
Total No. of Credits:					10

Sixth Semester:

Subject Code	Title of the Course	L	T	P	Credit
EN EM 3201	Major Project Dissertation Phase 2	-	-	20	10
Total No. of Credits:					10

Grand Total of Course Credits = 15 + 16 + 15 + 14+10+10 = 80

Scheme of Study (w.e.f-July 2025)

List of Electives I, II & III

List of Department Electives I	
EN EM 1151	Power Plant Economics
EN EM 1152	Operation Research and Management
EN EM 1153	Energy Efficiency in Electrical Utilities
EN EM 1154	Alternative Fuels
List of Department Electives II	
EN EM 1251	Energy Efficiency in Thermal Utilities
EN EM 1252	Life Cycle Analysis of Energy Systems
HS EM 1253	International Trade and Business in Energy
EN EM 1254	Hybrid Renewable Energy Management
EN EM 1255	Research Methodology
List of Department Electives III	
EN EM 2151	Climate Change and Carbon Sequestration
EN EM 2152	Modelling & Simulation of Energy Systems
MG EM 2153	Green Finance and Fintech for Energy Systems
EN EM 2154	Design and Optimization software for Energy Systems