

USPCAS-E List of Offered Courses (Spring 2026)

MS Renewable Energy (Evening)

No	Course Code	Course Title	CH
1	ESE-832	Energy & Climate Change	3
2	RM-898	Research Methodology	2
3	ESE-841	Carbon Markets	3
4	ESE-837	Electrochemical Energy Storage and Conversion	3
5	ESE-840	Energy for Sustainable Development	3
6	ESE-817	Wind Energy	3
7	ESE-838	Development and Evaluation of Energy Projects	3
8	HU-132	Fehm-e-Quran II	1

MS Energy Systems Engineering (Morning)

No	Course Code	Course Title	CH
1	ESE-809	Modeling of Energy Systems	3
2	ESE-826	Industrial Catalysis for Energy Systems	3
3	ESE-801	Biofuel Engineering	3
4	RM 898	Research Methodology	2
5	ESE-830	Next Generation Photovoltaic Devices	3
6	ESE-820	Energy and Environment	3
7	ESE-836	Li-ion & Next Generation Batteries	3
8	ESE-814	Fuel Cells	3
9	ESE-819	Environmental Impact Assessment	3
10	HU-132	Fehm-e-Quran II	1

MS Thermal Energy Engineering (Morning)

No	Course Code	Course Title	CH
1	TEE-816	Fuels and Combustion	3
2	TEE-802	Design and Modeling of Thermal Energy Systems	3
3	ESE-833	Industrial Energy Management	3
4	ESE-824	Nuclear Energy Engineering	3
5	TEE-817	Computational Fluid Dynamics for Thermal Energy Systems	3
6	TEE-824	Hydrogen Production Technologies	3
7	RM-898	Research Methodology	2

MS Electrical Engineering Power (Morning)

No	Course Code	Course Title	CH
1	EPE-909	Smart Grid Architecture	3
2	EPE-819	Machine Learning for Power Systems	3
3	EPE-800	Power System Operation, Control and Optimization	3
4	HU-132	Fehm-e-Quran II	1