

MIE498H1: Research Thesis 2024-2025

Supervisor Mohini Sain

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Number of Positions 5

Open to Undergraduate Mechanical and Industrial

Engineering Students

Term Offered Winter (S)
Research Area Materials,

Energy, Protein Biotechnology, Advanced

manufacturing, MD Simulations

Research Topic Green Hydrogen, Super critical extraction, e-

machine Design, New PowerTrain, Battery, Fuel

cell

Project Description

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Photolysis of Methane and CO2, Reactor Design for carbon nanotube and Hydrogen production, Supercritical water extraction of nanoscale impurities, Advanced Polymeric Electrolyte for Solid batteries, Bio-battery and fuel cell design and fabrication, High Voltage Batteries, Metal-hybrid 3-D printing for Energy Devices, Biomethanation of Solid Biomass and Bovins.

Additional Information N/A

Application Instructions Please send one page Notice of Interest to

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