



5-Year Integrated

B.Tech. in Energy Engineering and MBA in Energy Management

Program Details

Explore the future of the global energy transition with our 5-year Integrated Program: B.Tech. in Energy Engineering and MBA in Energy Management. This multidisciplinary curriculum blends engineering, emerging energy technologies, and management, preparing future leaders for the rapidly evolving global energy sector.

Goal and Impact

- To establish a strong base in energy engineering principles and emerging energy technologies.
- To prepare graduates to contribute to the global shift toward sustainable energy systems.
- To encourage innovation in clean and future energy solutions.
- To develop competencies in energy management and strategic leadership.
- To address the growing need for skilled professionals in the evolving energy sector.

Excellence of Adani University

- Highly qualified faculty with Ph.D. credentials, diverse academic backgrounds, and a student-centric approach.
- Merit-based and need-based scholarship.
- Scheme of earn while you learn.
- Financial support for research and startup.
- Safe, inclusive, and conducive learning environment, reflected in a healthy gender ratio.
- Structured mentorship and student development through 18+ active clubs and professional chapters.

Uniqueness of the program

An exclusive program

In the domain of Energy Engineering and Energy Management (offered by limited institutions globally).

Integration of Science, Technology and Management

Theoretical knowledge with practical skills in Emerging Energy Technologies, Energy Economics and Policy, Strategic Energy Management.

Additional Minor tracks along with Major degree

- Hydrogen Economy and Future Fuels
- Energy Storage and Battery Technologies
- Carbon Management and Energy Transition

Emphasis on cutting-edge technology

- Smart Grid and Digital Energy Systems
- AI and Data Analytics for Energy Systems
- Advanced Materials for Energy Applications

Focus on Experiential Learning

Hands-on experience through energy projects, industrial internships, energy audits, and industry collaborations.

Career Opportunities (Role includes but not limited to)

- Energy Systems Engineer
- Hydrogen and Clean Energy Specialist
- Energy Storage and Battery Technology Expert
- Energy Strategy and Sustainability Consultant

Industry connects

Robust industry engagement through the Adani Group and leading energy and technology organizations, enabling real-world exposure and strong career pathways.



"Joining the Energy Engineering and Energy Management program has been a great decision. Supportive faculty and practical exposure helped me build strong technical knowledge and understand the evolving energy sector."

Nidhi Agrawal

First Year,
Integrated EE-EM



"My first year in the Integrated B.Tech. Energy Engineering + MBA Energy Management program has been enriching. Labs, workshops, and industry visits effectively connect theory with real-world energy applications."

Dhreeti Bhamhani

First Year,
Integrated EE-EM



"The Energy Engineering program provides a strong balance of theory and practical learning. Supportive faculty and industry-focused exposure prepare students to contribute to the future of sustainable energy."

Muskan Thakar

First Year,
Integrated EE-EM



"My experience in the department has been very positive. Supportive teachers and a motivating environment helped me gain skills, confidence, and valuable knowledge."

Ramya Patel

First Year,
Integrated EE-EM

Industry Demand and Job Opportunity

"Global renewable energy jobs expected to exceed 30 million by 2030"



"Global energy storage capacity is expected to reach about 411 GW (≈1.2 TWh) by 2030, nearly 15 times the installed capacity in 2021."



"Hydrogen economy projected to reach \$2.5 trillion market by 2050"



"Global clean energy investment must increase to about \$4–4.5 trillion annually by 2030 to stay on track for net-zero emissions."



Admission Eligibility

- 10+2 with Physics, Chemistry, and Mathematics with minimum 45% marks in aggregate.
- A valid score of JEE Main, or qualified GUJCET, or Adani University Undergraduate Entrance Test (AUET).
- For D2D admissions
 - Diploma in any discipline with a minimum of 45% marks, or an equivalent grade in aggregate.
 - Qualified in DDCEt, or any other recognized equivalent exam, or successful completion of an entrance test or interview in case of vacant seats.

Graduation Degree

- B.Tech. in Energy Engineering (Exit after 4 years).
- Integrated B.Tech. in Energy Engineering and MBA in Energy Management (Exit after 5 years)

Scan for more details



www.adaniuni.ac.in

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