المعهد الهندي للتكنولوجيا دلهي
أبوظبي

INDIAN INSTITUTE OF TECHNOLOGY DELHI
ABU DHABI

ACADEMIC YEAR

2026 - 2027

M. TECH. ADMISSIONS

ENERGY TRANSITION & SUSTAINABILITY

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Our Legacy

The Indian Institute of Technology Delhi (IIT Delhi) is one of India's highest-ranked academic institutions. Since its inception, over 60,000 students have graduated from IIT Delhi in various disciplines, including Engineering, Physical Sciences, Management, Humanities, and Social Sciences.

From visionary tech entrepreneurs reshaping industries to influential policymakers guiding national agendas and groundbreaking researchers pushing the boundaries of knowledge, IIT Delhi's alumni are a force of transformative leadership across diverse fields, consistently driving innovation.

Global Rankings IIT Delhi

QS ASIAN UNIVERSITY RANKINGS 2026

1ST

Southern Asia

QS University Rankings 2026

QS WORLD UNIVERSITY RANKINGS

36TH

Worldwide in Engineering & Technology

QS University Rankings 2026

QS ASIAN UNIVERSITY RANKINGS 2026

59TH

in Asia

QS University Rankings 2026

About
IIT Delhi - Abu Dhabi

The establishment of the Indian Institute of Technology Delhi – Abu Dhabi (IITD-AD) as the first international branch campus of IIT Delhi marks a significant milestone in its global outreach and underscores the deepening educational partnership between India and the UAE.

The Institute began operations in January 2024 with its inaugural program, Master of Technology (M. Tech.) in Energy Transition and Sustainability. Since then, IITD-AD expanded its academic portfolio to include Bachelor of Technology (B. Tech.) programs in Computer Science & Engineering, Energy Engineering, and Chemical Engineering, along with a Ph.D. program in Energy and Sustainability.

In 2026, IITD-AD is further expanding its offerings with the addition of B. Tech. in Electrical Engineering, M. Tech. in Machine Intelligence and Data Science (MINDS), and Ph.D. programs in Computer Science and Artificial Intelligence, and Natural Sciences, strengthening its academic and research focus across core and emerging domains.

With its strategic location, future-forward programs, and the IIT Delhi heritage, the Abu Dhabi campus is poised to become a leading hub for engineering, technology, and research in the region, nurturing a new generation of global innovators and leaders.

ABOUT THE PROGRAM

Master of Technology (M. Tech.) in Energy Transition & Sustainability

The imperative for global carbon neutrality has placed Energy Transition at the forefront of international priorities, demanding a comprehensive transformation of energy systems encompassing technological, economic, financial, and regulatory dimensions. IIT Delhi - Abu Dhabi's Master's program in Energy Transition and Sustainability offers a unique opportunity for recent graduates as well as working professionals from diverse backgrounds to develop crucial knowledge and skills in this vital field.

This multidisciplinary program adopts a systems-level approach, providing a broad understanding and the capacity for in-depth exploration of specific areas of interest within the energy transition domain.

Students will engage in cutting-edge research and technologies, with a vision to contribute to energy transition initiatives across industrial, research, academic, and regulatory sectors. The curriculum is meticulously designed to foster perspectives on technology, economics, policy, and environmental sustainability, equipping graduates to become leaders and innovators in this rapidly evolving domain. This program offers a pathway to work on real-world solutions and contribute to a sustainable future.

Building upon a strong foundation in core engineering and scientific principles, the M. Tech. program delves into the complexities of renewable energy integration, sustainable resource management, climate change mitigation strategies, and the policy frameworks driving the global energy shift. Through a combination of rigorous coursework, hands-on research opportunities, and potential collaborations with industry leaders in the UAE and beyond, students will gain the practical skills and critical thinking abilities necessary to develop and implement innovative solutions for a sustainable energy future. The program fosters a global perspective, preparing graduates to address the unique challenges and opportunities of energy transition initiatives worldwide.

The program offers elective courses allowing students to tailor their learning experience by focusing on two primary academic tracks, as given below:

Technologies for Decarbonization

Economics, Policy and Planning for Energy Transition

PROGRAM REGISTRATION MODES

The M. Tech. program at IIT Delhi – Abu Dhabi is offered in three modes:

1. FULL-TIME STUDENTS (WITH ASSISTANTSHIP)

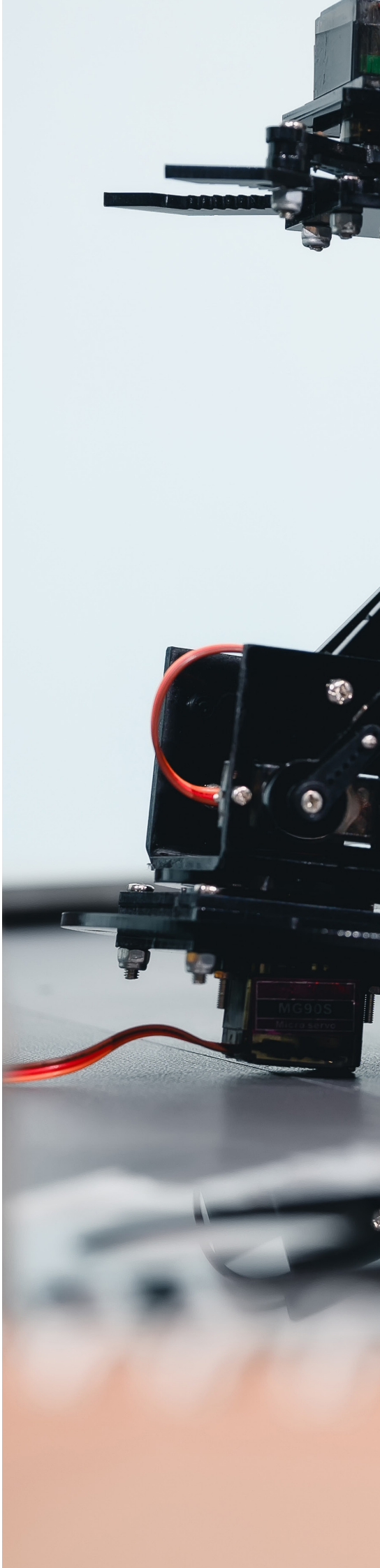
Full-time M. Tech. students in this category follow a standard two-year curriculum and are required to be engaged full-time in their master's program. They also work as Teaching or Research Assistants and receive an attractive monthly allowance for this work. Students in this category are expected to complete the program in two years. This option is for students who want to focus fully on their studies and gain experience in teaching and research.

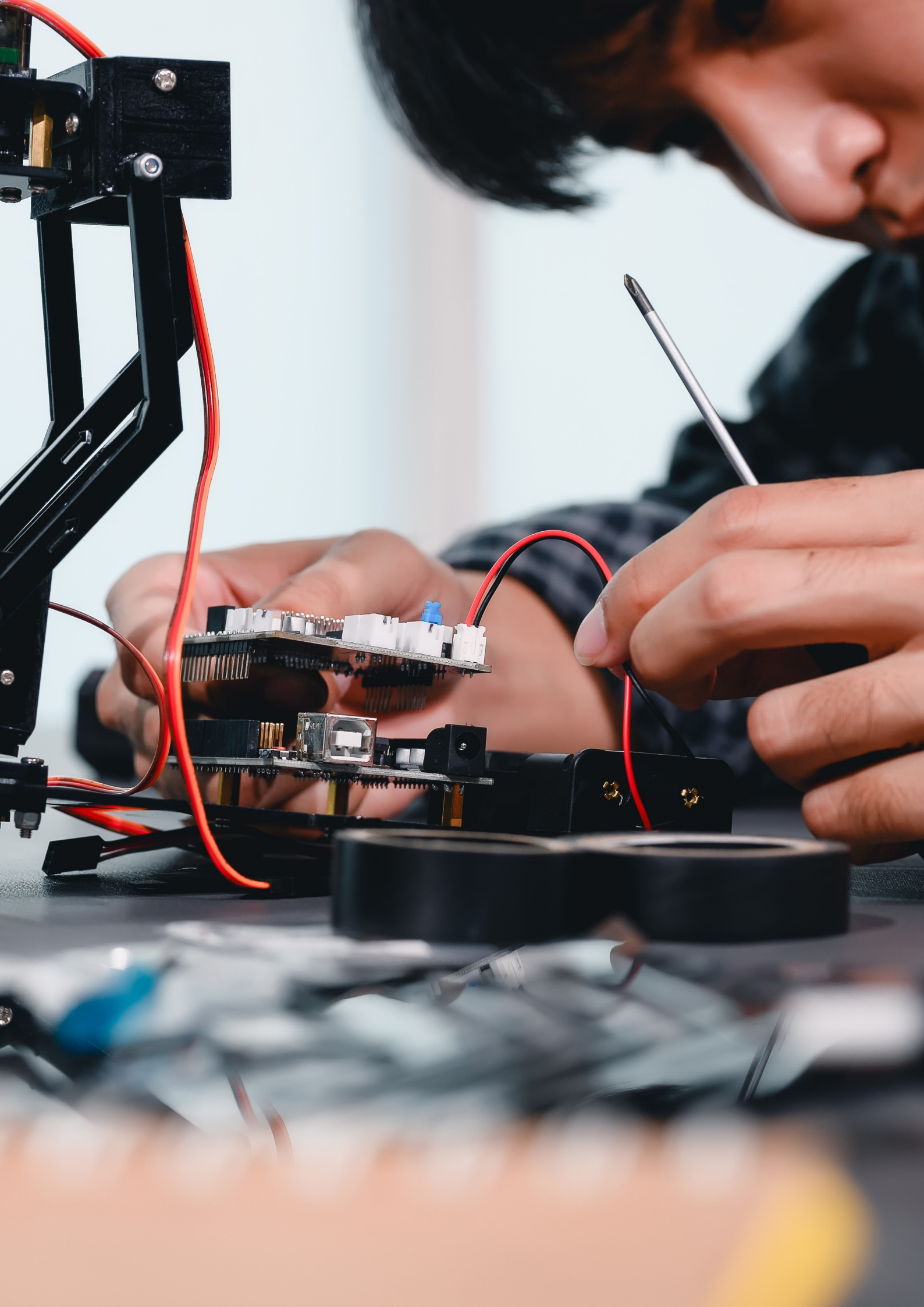
2. FULL-TIME STUDENTS (WITH SPONSORSHIP)

Full-time M. Tech. students in this category are funded by their employer or possibly by another organization. They are engaged full-time in their master's program, and given a leave of absence by their parent organization. Such students are expected to complete the program in two years. They do not receive monthly allowance from IITD-AD, but may be eligible for partial fee waivers. This category is for students whose studies are supported by an external sponsor.

3. PART-TIME STUDENTS

Part-time students complete the M. Tech. program over three years while they are working in full-time employment. They follow the same curriculum as full-time students, with the registration period spread over the three years. Monthly allowance is not provided, but they may be eligible for partial fee waivers. Such students are expected to complete the program within three years. This option is designed for working professionals seeking a graduate degree at a flexible pace.

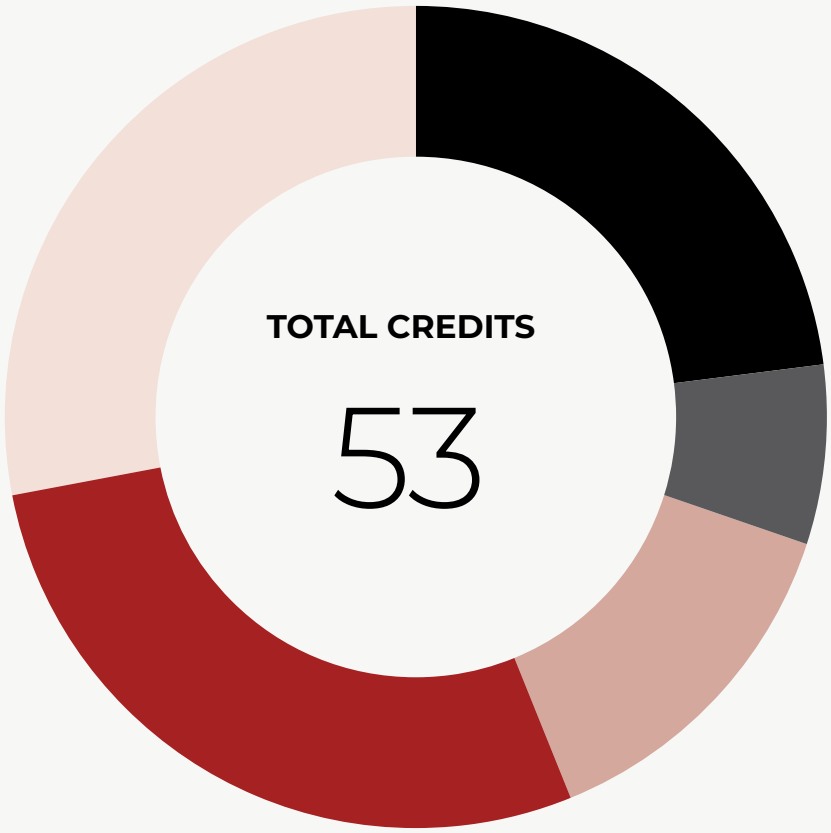




PROGRAM STRUCTURE

A total of 53 program credits are divided into various categories of courses

OVERALL CREDIT STRUCTURE AND PROGRAM ARCHITECTURE



PROGRAM CORE
12 Credits
Energy Development and Sustainability
Energy Transition
Energy Systems Modeling and Analysis
Economics and Financing of Energy Transition

FOUNDATION
4 Credits
Basics of Engineering Mathematics
Basics of Thermal Engineering
Basics of Electrical Engineering
Basics of Process Engineering

LABORATORY, INTERNSHIP AND SEMINAR
7 Credits
Energy Systems Computational Lab
Clean Energy Technologies
Supervised Industry Internship / Project
Seminar

PROJECTS AND MASTER'S THESIS*
15 Credits
Major Project Part 1
Major Project Part 2

PROGRAM ELECTIVES
15 Credits
Five courses of student choice

**The curriculum allows for industry integrated major projects. In their final semester, students may conduct their research and project work directly within an industrial setting for the majority of the semester to ensure substantial professional exposure.*

PROGRAM ELECTIVES

TECHNOLOGIES FOR DECARBONIZATION

Carbon Capture, Utilization and Sequestration

Hydrogen Energy Technologies

Process Intensification

AI Guided Energy Transition

Energy Efficiency

Solar Photovoltaic Systems and Applications

Power Systems and Renewable Integration

Electrochemical Energy Storage for Stationary and Mobility Applications

Hybrid Energy Systems and Microgrids

Waste to Energy

Forecasting for Power System Operation and Planning

Energy Conversion Systems

Low Carbon Technologies

Decarbonizing Fossil Fuel Sector

Science of Climate Change

ECONOMICS, POLICY AND PLANNING FOR ENERGY TRANSITION

Developing Renewable Energy Projects

Circular Economy and Energy Transition

Carbon Markets

Energy Policy and Planning

Governing the Energy Transition

Power System Planning

Electricity Markets and Power System Operations

Forecasting for Power System Operation and Planning

Carbon Accounting and Reporting

Regulatory, Policy and Legal Aspects of Energy Transition

Low Carbon Technologies

Decarbonizing Fossil Fuel Sector

Science of Climate Change

A TYPICAL TWO-YEAR STUDY PLAN

SEMESTER 1

L - Lecture | T - Tutorial | P - Practical

Courses		Lecture courses	Contact hours				Credits
			L	T	P	Total	
Basics of Engineering Mathematics (2-0-0)							
Basics of Thermal Engineering (2-0-0)	Any one of the three						
Basics of Electrical Engineering (2-0-0)							
Basics of Process Engineering (2-0-0)		4	10	0	0	10	10
Energy Transition (3-0-0)							
Energy Development and Sustainability (3-0-0)							

SEMESTER 2

Courses	Lecture courses	Contact hours				Credits
		L	T	P	Total	
Energy Systems Modeling and Analysis (3-0-0)						
Economics and Financing of Energy Transition (3-0-0)						
Program Elective 1 (3-0-0)	4	13	0	3	16	14.5
Program Elective 2 (3-0-0)						
Energy Systems Computational Laboratory (1-0-3)						

SUMMER TERM

Courses	Lecture courses	Contact hours				Credits
		L	T	P	Total	
Supervised Industry Internship	-	0	0	0	4	2

SEMESTER 3

Courses	Lecture courses	Contact hours				Credits
		L	T	P	Total	
Program Elective 3 (3-0-0)						
Program Elective 4 (3-0-0)	3	9	0	11	20	14.5
Program Elective 5 (3-0-0)						
Clean Energy Technology Laboratory (0-0-3)						
Seminar (0-0-2)						
Major Project Part 1 (0-0-6)						

SEMESTER 4

Courses	Lecture courses	Contact hours				Credits
		L	T	P	Total	
Major Project Part 2 (0-0-24)		0	0	24	24	12
TOTAL		**32**	**0**	**38**	**70**	**53**

ADMISSION PROCESS

Candidates are encouraged to apply for the program irrespective of their preference for the registration mode. The admission process is multi-stage and will consist of the following:

- Shortlisting, based on the Eligibility Criteria
- Written examination (where applicable)
- Interview, which may have multiple stages

Once a candidate is selected, their entitled scholarship or fee waiver will be considered separately on an individual basis.

Further details are provided below.

ELIGIBILITY & ADMISSION PROCESS

1. QUALIFYING DEGREE:

Candidate can be considered for the program if she/he has any one of the following qualifications:

- Bachelor's degree of minimum 4-year duration in any engineering discipline with a minimum GPA of 6.00 (on a 10.00 point scale), or 2.40 (on a 4.00 point scale), or aggregate marks of 60% (or equivalent);

- Bachelor's degree of minimum 4-year duration in any science discipline (Physics, Chemistry, Mathematics, Environmental Science, Earth Science) with a minimum GPA of 6.00 (on a 10.00 point scale), or 2.40 (on a 4.00 point scale), or aggregate marks of 60% (or equivalent);

- Bachelor's degree of 3-year duration in any science discipline (Physics, Chemistry, Mathematics, Environmental Science, Earth Science) followed by a Masters degree (Physics, Chemistry, Mathematics, Environmental Science, Earth Science) of minimum 2-year duration, with a minimum GPA of 6.00 (on a 10.00 point scale), or 2.40 (on a 4.00 point scale), or aggregate marks of 60% (or equivalent), at both the bachelor's and master's level.

The above GPA/marks requirement is the Institute minimum. Higher GPA/marks requirements may be used during the actual shortlisting of applicants.

2. ENGLISH LANGUAGE PROFICIENCY:

Candidate can be considered for the program if she/he has any **one** of the following proofs of English language proficiency:

- Proof that the medium of instruction has been English throughout the duration of the qualifying degree(s) (point 1).

- Minimum qualification in Standardized English Tests: 6.0 in IELTS, or 550 in TOEFL (or any other equivalent standardized test).

- In case the candidate does not have any of the above two at the time of application, she/he may still apply and will be provisionally admitted. Such a candidate will have 180 days (6 months) from the date of registration to furnish such proof.

3. STANDARDIZED TEST & WORK EXPERIENCE REQUIREMENTS:

Candidate needs to appear in standardized technical assessment test like Graduate Aptitude Test in Engineering (GATE), or a similar test conducted by IITD-AD. Requirements are as follows:

- Candidate applying for full-time registration with the IITD-AD scholarship:
    - If the candidate has a minimum of 2 years of work experience after the completion of a qualifying degree (point 1), no GATE score is required. However, a qualification in the written examination conducted by IITD-AD is required.
    - If work experience is 2 years or less, then:
        - If the candidate (any nationality) has earned her/his qualifying degree (point 1) from India, then should have a Graduate Aptitude Test in Engineering (GATE) score of 350 (this requirement is waived for candidates whose qualifying degree is from a Centrally Funded Technical Institute (CFTI), and have a graduation GPA/marks of 8.00 (on 10.00 scale) or 80%);
        - If the candidate (any nationality) has earned her/his qualifying degree (point 1) from any country other than India, then she/he has to appear and qualify in the IITD-AD written examination.
- Candidate applying under full-time sponsored category (no IITD-AD scholarship):
    - Minimum 1 year of work experience after completion of a qualifying degree (point 1) is required;
    - GATE score requirement or IITD-AD written test qualification is waived;
    - A sponsorship letter from the employer is required.
- Candidate applying under part-time category (no IITD-AD scholarship):
    - Minimum 1 year of work experience after completion of qualifying degree (point 1), required (6 months required for an IITD-AD employee);
    - GATE score requirement or IITD-AD written test qualification is waived.
    - No objection letter from the employer is required.

4. FINAL SELECTION INTERVIEW:

Final selection will be done through an oral interview (which may have multiple rounds).

INSTITUTE-SUPPORTED CAREER PATHWAYS

A dedicated Career Services team works year-round to translate academic learning into tangible career outcomes. The team builds sustained relationships with recruiters across sectors, develops industry partnerships, and facilitates academic collaborations with globally reputed institutions. Beyond employer engagement, students receive structured, hands-on support through resume building, mock interviews, and targeted soft-skills development, along with access to industry-standard tools and platforms, ensuring they are well prepared to enter the workforce.

The Institute provides institutional support for both a mandatory summer internship and final placements upon graduation. The recent cohort has achieved strong placement outcomes across the region, with students securing roles in leading organizations. Students are also supported in pursuing academic internships at leading international universities.

2026

KEY DATES AT A GLANCE

MAY

11TH
Launch of online application portal

JUNE

18TH
Last date for submission of online application

23RD
Shortlisting of applicants and further communication

28TH
Date of the written test**

25TH -30TH
Range of dates for the interview

JULY

6TH
Declaration of the result and communication of offers

10TH
Deadline for acceptance of the offer by the candidate

AUGUST

19TH
Registration and orientation of the incoming M. Tech. students

***Venue:** IIT Delhi campus / IIT Delhi - Abu Dhabi campus*
(More venues can be added based on the number of applications from a particular country)

DOCUMENTATION REQUIREMENT

	Full-Time (with Assistantship)	**Full-Time** (with Sponsorship)	**Part-Time**
Qualification degree and Transcript clearly mentioning the overall CGPA	Required	Required	Required
IELTS/TOEFL scorecard or equivalent recognized English language certification (if the medium of the qualifying degree is not in English)	Required	Required	Required
Experience Certificate	Not Required	Required	Required
Sponsorship Certificate/Letter***	Not Required	Required	Not Required
No-Objection Certificate***	Not Required	Not Required	Required

Note: Upon selection after the final round, the successful candidate will be required to provide copies of their valid passport and national identification card (or Emirates ID / Aadhar Card).

****In case a sponsorship certificate/letter, or a no-objection certificate is not available at the time of application or interview, you may provide an undertaking stating that the same would be submitted at the admission, if selected.*

FEES & SCHOLARSHIPS

COMPLETE PROGRAM FEE (OVER 2 / 3 YEARS): **AED 159,000**

Program Registration Modes		**Nationality**	
Full-Time	**Full-Time** (with IITD-AD Assistantship)	**International** (including Indian, and Indian Expatriates)	**UAE National**
		Scholarship: AED 5,000 per month	**Scholarship:** AED 10,000 per month
		Travel: Funding for two roundtrip tickets to the student's home country per academic year, specifically for use during the summer and winter vacation periods *[not applicable for students with residence in the UAE]*	**Travel:** As applicable
		100% tuition fee waiver	100% tuition fee waiver
	Full-Time (with Sponsorship)	No Scholarship	No Scholarship
		Tuition fee waiver will be determined on a case-by-case basis, based on the type of sponsorship, on application	Tuition fee waiver will be determined on a case-by-case basis, based on the type of sponsorship, on application
Part-Time		No Scholarship	No Scholarship
		Tuition fee waiver will be determined on a case-by-case basis, on application	100% tuition fee waiver

STUDENT TESTIMONIALS

Voices from the inaugural and current cohorts of the M. Tech.
in Energy Transition & Sustainability program at IITD-AD

I chose IIT Delhi - Abu Dhabi because of its strong global reputation and modern, trusted education model. The program has exceeded my expectations with its strong academic content, supportive faculty, and hands-on learning.

The labs and specialized programs provided practical experience that deepened my understanding. I also appreciated the focus on real-world challenges, sustainability, and innovation. Overall, the learning environment has helped me grow both technically and professionally in meaningful and impactful ways.

ALUMNA:

BADHRIA AL HAMMADI

Program: M. Tech. Energy Transition and Sustainability
Year of Admission: 2024
Nationality: United Arab Emirates

Having completed my bachelor's in this field, I knew I needed a platform that could truly support my research and academic journey. I couldn't have found a better place than IIT Delhi - Abu Dhabi to continue my growth. The program offers an exceptional academic experience, with world-class faculty and cutting-edge facilities that make complex courses both engaging and impactful.

A personal highlight was my first emceeing experience in Abu Dhabi at the IITD-AD Ignite 2025 event, where I engaged with global leaders across science, startups, and policy. Beyond the skills, what makes this institution special is the community; We are like one family, celebrating every milestone and encouraging each other toward success. It is an environment where you truly feel supported at every step.

STUDENT:

MENNATALLAH AYMAN MOHAMED ALI GOMAA

Program: M. Tech. Energy Transition and Sustainability
Year of Admission: 2025
Nationality: Egypt

STUDENT TESTIMONIALS

My experience at IIT Delhi - Abu Dhabi has been intellectually rigorous and professionally transformative. The program strengthened my ability to link engineering fundamentals with policy and economic analysis, particularly in the context of the UAE's energy transition. Working closely with faculty on advanced modelling tools and real-world datasets enhanced my research depth and critical thinking. The collaborative academic environment and exposure to regional energy challenges have significantly shaped my career outlook and research direction. My favourite memory of IIT Delhi - Abu Dhabi is of those late evenings with my colleagues and professors where equations, our ideas, and my ambition finally aligned.

ALUMNUS:

ZAKARIA HESHAM ZAKARIA AWDA

Program: M. Tech. Energy Transition and Sustainability
Year of Admission: 2024
Nationality: United Arab Emirates

I chose this program to build a strong foundation in sustainable energy and align my career with the growing clean energy sector. A key highlight has been securing my career placement at Al Shirawai Solar, where I've been able to apply my learning to real-world solar projects and understand on-ground challenges. I thank IITD-AD for their continued support. My advice to future students is to stay proactive, take the initiative in projects, and make the most of industry opportunities offered through the program.

ALUMNUS:

SARTHAK MAJUMDAR

Program: M. Tech. Energy Transition and Sustainability
Year of Admission: 2024
Nationality: India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LabEvent

CAMPUS LIFE

IIT Delhi – Abu Dhabi offers comfortable and convenient on-campus housing for both male and female students. Subsidized meal plans are available in the dormitories, along with dedicated transport facilities to and from student residences for ease of access. The campus is thoughtfully designed to support a well-rounded student experience, with dining facilities, laundry services, a library, a fitness centre, student lounges, and comprehensive security.

Building on the vibrant student life traditions of IIT Delhi, the Abu Dhabi campus launched its own calendar of cultural, technical, and sports festivals in 2025, drawing enthusiastic participation from universities across the UAE. In the spirit of IIT Delhi's flagship events such as Tryst and SPORTECH, students benefit from cross-campus engagement, including opportunities to participate in competitions and events across both campuses. A vibrant and evolving student club culture further energizes campus life. Students can engage in a wide range of clubs and activities, including sports (football, badminton, cricket), fine arts, fintech, energy and sustainability, digital design, and quizzing; offering avenues to lead, create, and collaborate.

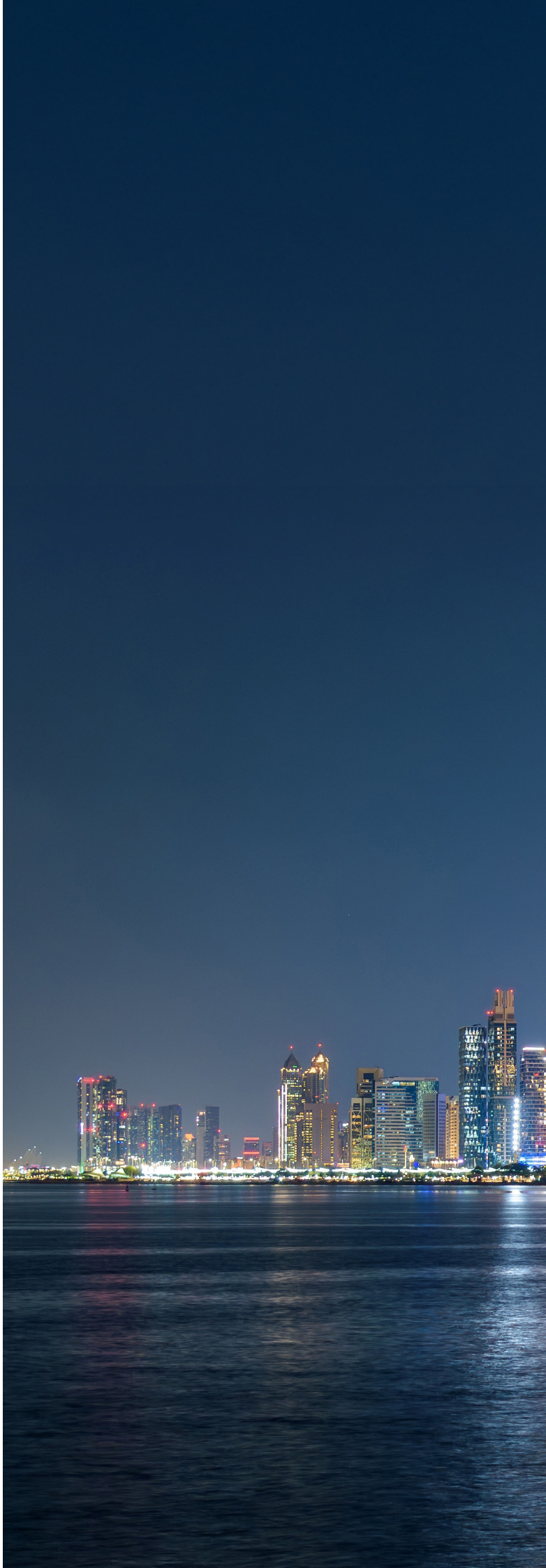
LIFE IN ABU DHABI

Abu Dhabi, the capital of the UAE, is a city where deep cultural heritage meets bold, future-facing ambition, making it one of the most compelling places in the world to pursue postgraduate study.

For graduate students, the city offers more than a degree. It offers proximity to world-class research institutions, global industry players, and public institutions that are at the forefront of the region's transformation in technology, sustainability, and innovation.

Life in Abu Dhabi extends well beyond academics. From the Sheikh Zayed Grand Mosque and the world-renowned cultural district on Saadiyat Island to a diverse food scene and year-round outdoor activities, the city has much to offer. A thriving international and diverse community makes it easy for students to settle in quickly and feel at home.

Choosing Abu Dhabi means choosing a city that is growing with purpose, and that purpose creates real opportunities for those who are part of it.



SCAN TO KNOW MORE

CONTACT US

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