

ELSEWEDY UNIVERSITY OF TECHNOLOGY

**INTRODUCES THE INTERNATIONAL POLYTECHNIC MODEL TO EGYPT,
BRIDGING THE GAP BETWEEN THEORY AND PRACTICE.**

Elsewedy University of Technology is the first polytechnic university in Egypt that offers a 4-year bachelor's degree in Engineering Technology (B.Tech) in an integrated set of practical and theoretical learning. SUTech -Polytechnic of Egypt—is introducing leading international technologies and standards and preparing the Egyptian youth for leadership roles in the local and global markets.

ENERGY ENGINEERING TECHNOLOGY PROGRAM

As the energy industry evolves to combat climate change and provide low-carbon solutions, the energy program of SUTech allows students to share the vision and commitment of reducing emissions through the development of novel technologies and science-based analysis. SUTech students are dedicated to decarbonizing global energy systems, working collaboratively and transparently with industry, government, and civil society.

GRADUATES OF THIS PROGRAM WILL HAVE A CAREER PATH IN →

Industrial Concentrations

- Reservoir Specialist
- Drilling Specialist
- Power Plant Specialist
- Solar PV Specialist
- Wind Turbine Specialist
- Process Specialist
- HVAC Specialist
- Sustainability Specialist
- Design Specialist
- Energy Consultant

EV Concentration

- Electric Vehicle Design Specialist
- Charging Infrastructure Specialist

Smart Buildings and Cities Concentration

- Building Automation Specialist
- Smart Grid Specialist

ELIGIBILITY To Apply

Thanaweya Amma and all equivalent certificates are eligible for SUTech - Polytechnic of Egypt (IG - American Diploma - IB and more).

CONTACT US

INFO@SUT.EDU.EG
CALL US ON: 15755
KILO 51, CAIRO-ISMAILIA
DESERT ROAD

Apply Now



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MILANO 1863

ENERGY ENGINEERING TECHNOLOGY

**SCHOOL OF
ENGINEERING TECHNOLOGY**

APPLY NOW
15755

YEAR 1

CET111:	Introduction to Computer and Programming
EPT111:	Computer-Aided Engineering Drawing
GEN111:	Applied Mathematics I
GEN131:	Principle of Chemistry & Material Science
HUM111:	English Language I
ENT111:	Energy, Development, and Environment
GEN113:	Applied Mathematics II
GEN121:	Physics for Electrical Engineering
GEN123:	Heat Transfer and Thermodynamics
HUMUE1:	University Elective I
ENT191:	ENT Internship I

YEAR 3

EET211:	Electrical Circuits II
ENT313:	Fluid Machines
ENT314:	Principles of Ecology
EPT241:	Industrial Control Engineering Technology I
HUM431:	Project Management

YEAR 4

ENVIRONMENTAL CONCENTRATION MAJOR

ENT431:	Sustainability and the Built Environment
ENT432:	Technical Design: Theory and Application
ENT433:	Building Physics
ENT434:	Building Technical Systems Design and Maintenance
ENT491:	ENT Project III
ENT435:	Renewable Energy Systems for Building Integration
ENT 436:	Energy Efficiency in the Building Sector
ENT437:	Energy Diagnosis & Implementation Measures
ENT492:	ENT Project IV
HUMUE2:	University Elective II

YEAR 2

EET111:	Electrical Circuits I
ENT211:	Energy Systems I
ENT212:	Thermal Engineering
ENT291:	ENT Project I
EPT431:	Renewable Energy
HUM121:	Principles of Law, Human Rights & Ethics
ENT213:	Energy Storage and Transmission
ENT292:	ENT Project II
GEN211:	Probability & Statistics
GEN241:	Engineering Mechanics: Static and Dynamics
HUM251:	Safety and risk

ENT311:	Energy Systems II
ENT312:	Innovative Energy Technologies
ENT315:	Operation and maintenance
ENT316:	Measurements and diagnostics
HUM311:	English Language II
ENT391:	ENT Internship II

YEAR 4

EV CONCENTRATION MAJOR

ENT431:	Sustainability and the Built Environment
ENT432:	Technical Design: Theory and Application
ENT433:	Building Physics
ENT434:	Building Technical Systems Design and Maintenance
ENT491:	ENT Project III
ENT435:	Renewable Energy Systems for Building Integration
ENT461:	Electrical Charges Technology
ENT462:	Electric Vehicles Technology
ENT492:	ENT Project IV
HUMUE2:	University Elective II

YEAR 4

SMART BUILDINGS & CITIES CONCENTRATION MAJOR

ENT431:	Sustainability and the Built Environment
ENT432:	Technical Design: Theory & Application
ENT433:	Building Physics
ENT434:	Building Technical Systems Design and Maintenance
ENT491:	ENT Project III
ENT435:	Renewable Energy Systems for Building Integration
ENT471:	Smart Buildings and Cities Platforms
ENT472:	Light Current and Digital Systems Technologies
ENT492:	ENT Project IV
HUMUE2:	University Elective II

YEAR 4

RENEWABLE ENERGY CONCENTRATION

ENT421:	Heat & Mass Transfer Equipment I
ENT422:	Energy Scenario and Modeling
ENT423:	Multiphase Flow
ENT424:	Industrial Plants I
ENT491:	ENT Project III
ENT425:	Sustainable Development & SDGs Interlinkages
ENT441:	Solar Energy Technology
ENT442:	Wind Energy Technology
ENT492:	ENT Project IV
HUMUE2:	University Elective II

PROGRAM ELECTIVE Courses

HUMUE1: University Elective I HUMUE2: University Elective II

HUM141:	Principles of Economics
HUM131:	Innovation & Entrepreneurship
HUM133:	Communication & Negotiation Skills
HUM132:	Management & Leadership Skills
HUM152:	History of Art & Architecture
HUM151:	History of Engineering & Technology
HUM153:	The Character of Egypt

YEAR 4

INDUSTRIAL CONCENTRATION MAJOR

ENT421:	Heat & Mass Transfer Equipment I
ENT422:	Energy Scenario and Modeling
ENT423:	Multiphase Flow
ENT424:	Industrial Plants I
ENT491:	ENT Project III
ENT425:	Sustainable Development & SDGs Interlinkages
ENT 426:	HVAC and Cooling Technologies
ENT427:	Advanced Heat and Mass Transfer Processes
ENT492:	ENT Project IV
HUMUE2:	University Elective II

YEAR 4

OIL AND GAS CONCENTRATION

ENT421:	Heat & Mass Transfer Equipment I
ENT422:	Energy Scenario and Modelling
ENT423:	Multiphase Flow
ENT424:	Industrial Plants I
ENT491:	ENT Project III
ENT425:	Sustainable Development & SDGs Interlinkages
ENT451:	Fuel and Energy Transmission
ENT452:	Selected Topics In Petroleum & Energy Engineering
ENT492:	ENT Project IV
HUMUE2:	University Elective II

HUM154:	Arabic
HUM251:	Safety and risk
HUM114:	Italian Language
HUM113:	German Language

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