

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 Technology (B.Tech) in an integrated set of practical and theoretical learning. SU Tech is introducing leading international technologies and standards and preparing the Egyptian youth for leadership roles in the local and global markets.

COMPUTER SCIENCE TECHNOLOGY PROGRAM.

SUTech prepares students with the most in-demand skills needed for a career in the computer science field. The program allows students to become expert problem solvers with the practical and theoretical systems that underline computer systems. SUTech promotes an extensive interdisciplinary approach, to make students marketable and prepared for employment.

GRADUATES OF THIS PROGRAM WILL HAVE A CAREER PATH IN →

- Computer/Application Programmer
- User Support Technician
- Web Developer
- Software Quality Assurance Tester
- Information Systems Analyst and Consultant
- Cloud Solutions Architect
- System Analyst
- Software Architect
- Database Administrator
- Software Developer
- Full-Stack Developer

ELIGIBILITY To Apply

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

CONTACT US

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CALL US ON: 15755
KILO 51, CAIRO-ISMAILIA
DESERT ROAD

Apply Now



COMPUTER SCIENCE TECHNOLOGY



SCHOOL OF
ENGINEERING TECHNOLOGY

COMPUTER SCIENCE TECHNOLOGY

Year 1

- CET111:** Introduction to Computer and Programming
- EPT111:** Computer Aided Engineering Drawing
- GEN111:** Applied Mathematics I
- HUM111:** English Language I
- HUM121:** Principles of Law, Human Rights & Ethics
- CET112:** Object-Oriented Programming
- CET141:** Database Management Systems
- CET161:** Network Basics
- GEN112:** Applied Discrete Mathematics
- GEN122:** Principles of Physics
- HUMUE1:** University Elective I
- CET191:** CET Internship I

Year 2

- CET211:** Data Structures & Algorithms
- CET212:** Operating Systems
- CET213:** Software Engineering
- CET214:** Web Programming
- CET291:** CET Project I
- HUM231:** Presentation Skills and Technical Writing
- CET215:** Mobile Application Development
- CET217:** Software Testing and Quality Assurance
- CET218:** Advanced Web Programming
- CET219:** UI/UX Principles
- CET292:** CET Project II

Year 3

- CET231:** Cyber & Information Security
- CET311:** Design & Analysis of Algorithms
- CET321:** Internet of Things
- CET322:** Cloud Computing
- GEN211:** Probability & Statistics
- HUMUE2:** University Elective II
- CET251:** Artificial Intelligence
- CET312:** ERP Systems
- CET313:** Theory of Computation & Compiler Design
- CET352:** Image Processing and Computer Vision
- HUM311:** English Language II
- CET392:** CET Internship II

Year 4

- CET221:** Computer Organization
- CET3E1:** CS Major Elective I
- CET411:** Game Programming
- CET491:** CET Project III
- HUM431:** Project Management
- CET414:** Parallel Programming
- CET415:** Digital Marketing Technologies
- CET416:** DevOps
- CET492:** CET Project IV
- CET4E1:** CS Major Elective II

PROGRAM ELECTIVE Courses

University Electives I and II

- | | |
|---|---|
| HUM141: Principles of Economics | HUM141: Principles of Economics |
| HUM131: Innovation & Entrepreneurship | HUM131: Innovation & Entrepreneurship |
| HUM133: Communication and Negotiation Skills | HUM133: Communication and Negotiation Skills |
| HUM132: Management and Leadership Skills | HUM132: Management and Leadership Skills |
| HUM152: History of Art & Architecture | HUM152: History of Art & Architecture |
| HUM151: History of Engineering & Technology | HUM151: History of Engineering & Technology |
| HUM153: The Character of Egypt | HUM153: The Character of Egypt |
| HUM154: Arabic | HUM154: Arabic |
| HUM112: Safety | HUM112: Safety |

Major Electives I and II

- | | |
|---|--|
| CET451: Neural Networks and Deep Learning | CET417: Advanced Software Engineering |
| CET413: Product Management | CET222: Embedded Systems |
| CET431: Software Security | CET452: Natural Language Processing |
| CET412: Selected Topic in Computer Science I | CET418: Selected Topic in Computer Science II |

Academic Labs

- Logic Circuits Lab
- Computer Graphic Design & Simulation Lab
- Virtual Reality Lab
- Embedded Systems & IoT Lab
- Computer Networks & Its Security Lab
- High-Performance Computing Lab
- Big Data Lab
- Smart Robotics Lab