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. SUTech 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

ELIGIBILTY **To Apply**

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

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COMPUTER SCIENCE TECHNOLOGY



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15755

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

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HUM152: History of Art & Architecture
HUM151: History of Engineering & Technology
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HUM154: Arabic
HUM112: Safety

Major Electives I and II

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