

ELSEWEDY UNIVERSITY OF TECHNOLOGY

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

Elsowedy 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. SU Tech-Polytechnic of Egypt is introducing leading international technologies and standards, preparing the Egyptian youth for leadership roles in the local and global markets.

NETWORK & CYBER SECURITY TECHNOLOGY PROGRAM

The Network and Cyber Security Technology Program equips students with the skills and knowledge to protect computer networks and systems from cyber-attacks. The program covers various security tools and techniques, legal and ethical issues, risk management, and incident response. It prepares students for cybersecurity jobs, such as network security analyst and security consultant, through a comprehensive curriculum and hands-on training.

GRADUATES OF THIS PROGRAM WILL HAVE A CAREER PATH IN



- Network Specialist
- Computer/Application Programmer
- Network Security Architect
- Software Developer
- Network Security Analyst and Consultant
- Control and Network Administrator
- IT Security Engineer
- Network Security Manager
- Digital Forensic Expert
- Information Systems Analyst and Consultant

ELIGIBILITY To Apply

Thanaweya Amma and all equivalent certificates are eligible for SUT - 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



NETWORK & CYBER SECURITY TECHNOLOGY

APPLY NOW
15755

**SCHOOL OF
ENGINEERING TECHNOLOGY**



NETWORK & CYBER SECURITY 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
GEN122:	Principles of Physics
HUMUE1:	University Elective I
CET191:	CET Internship I

YEAR 3

CET321:	Internet of Things
CET322:	Cloud Computing
CET331:	Security Policy, Threats & Risk Management
CET332:	Penetration Testing & Ethical Hacking
GEN211:	Probability & Statistics
HUMUE2:	University Elective II
CET251:	Artificial Intelligence
CET333:	Advanced Digital Forensics
CET334:	Cryptographic Algorithms & Protocols
CET326:	Routing & Switching
HUM311:	English Language II
CET391:	CET Internship II

YEAR 2

CET212:	Operating Systems
CET214:	Web Programming
CET231:	Cyber & Information Security
CET264:	Advanced Computer Networks
CET291:	CET Project I
HUM231:	Presentation Skills and Technical Writing
CET216:	Linux and Shell Programming
CET232:	Web and Security Technologies
CET333:	Digital Forensics Fundamentals
CET126:	Network Operation and Management
CET292:	CET Project II

YEAR 4

CET211:	Computer Organization
CET325:	NS Major Elective I
CET341:	Software Security
CET491:	CET Project III
HUM431:	Project Management
CET416:	DevOps
CET435:	Network and Mobile Security
CET436:	Information Security Management
CET492:	CET Project IV
CET425:	NS Major Elective II

PROGRAM ELECTIVE Courses

University Electives I and II

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

Major Electives I and II

CET438:	Hardware Security Applications	CET461:	Scaling and Connecting Networks
CET413:	Product Management	CET434:	Cloud and IoT Security
CET432:	Database Security	CET437:	Advanced Cryptographic Algorithms & Protocols
CET433:	Selected Topic in Network and Security I	CET439:	Selected Topic in Network and Security 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