

General information

Program requirement

- ✓ **Bac II** with grades **A, B, C, or D** / Equivalent certificate
- ✓ English: **IELTS ≥ 5** / **TOEFL iBT ≥ 60**
- ✓ ITC entrance exam: **Maths, Physics & Chemistry, Logic**

 **DURATION**
4 Years

 **INSTRUCTION**
English

Study duration: 4 years

- Year 1** Build essential skills in STEM and communication.
- Year 2** Study of fundamentals engineering, programming and Introduction to AI and cybersecurity
- Year 3** Explore the core computer science, AI skills and Cybersecurity, align with the practical capstone project
- Year 4** Learn advanced AI and cybersecurity, align with the practical activities and comply with industry internship project

Instruction: English

What makes this program special?

- ✓ Opportunity to get Scholarship from Techo Digital Talent Scholarship or the Financial Aids (0 interest) from Digital Skill Development Program (DSDP)
- ✓ Project-based learning courses design program.
- ✓ Opportunity to collaborate with our partners.
- ✓ Internship opportunities with partner industries.

Tuition fee: USD 2,500 per year

Scholarship

Merit-based scholarships

1st top 15% — 50% tuition scholarship
2nd top 15% — 30% tuition scholarship

Techo Digital Talent

100%
Tuition scholarship

Collaborative partners



Le Mans University
France



Université Grenoble Alpes
France



INSA Toulouse
France



Curtin University
Australia



University of Namur
Belgium



ENSIIE
France



Macquarie University
Australia



Universitas Pendidikan Ganesha
Indonesia



University of Central Missouri
United States



Dublin City University
Ireland



**UNIVERSITY OF
GEORGIA**
University of Georgia
United States

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Application **NOW OPEN**

 From August to September

 Room **A-314**, Building A, ITC



Scan here to register



Institute of Technology of Cambodia International Engineering School

A four-year international engineering degree for the digital transformation of Cambodia and Industry 4.0.

B.ENG · 4 YEARS

International Standard

DUAL DEGREE

International Program in
**Artificial Intelligence
Engineering and
Cybersecurity.**

About us

The Artificial Intelligence Engineering and Cybersecurity Engineering Program at the Institute of Technology of Cambodia (ITC) is a forward-looking engineering program established to educate and develop highly skilled Cambodian and international students who are prepared to lead digital transformation and address global technological challenges. Launched in October 2023, the program delivers a comprehensive curriculum that brings together artificial intelligence, cybersecurity, data science, and emerging digital technologies to equip students with interdisciplinary knowledge and practical competencies for the digital era. Aligned with the Royal Government of Cambodia's Pentagonal Strategy, Digital Government Policy, and global industry demands, the program contributes to preparing innovative engineers to drive secure and sustainable digital transformation.

Our mission

Our mission to produce high-quality engineers with the best educational and practical experience in a highly supportive environment. We aim to empower the perspective of AI engineering and cybersecurity with the knowledge, skills, and ethical framework required to develop, innovate and protect the digital realm.

Competencies

✓ AI Expertise :

Master machine learning, data analysis, and AI development.

✓ Cyber Defense :

Learn to safeguard digital assets from evolving threats, security analysis, and troubleshooting on network security.



What is AI and Cybersecurity?

Artificial Intelligence (AI) the science of developing intelligent machines and systems capable of performing tasks that typically require human intelligence. These systems can perceive their environment, learn from data, recognize patterns, reason, solve problems, make decisions, and continuously improve their performance to achieve specific objectives autonomously or with minimal human intervention.

Cybersecurity Cybersecurity is the practice of protecting our digital world from cyber threats. Just as we lock our doors to keep our homes safe, cybersecurity uses technologies, processes, policies, and best practices to protect computers, networks, applications, devices, and digital information from unauthorized access, cyberattacks, damage, disruption, and other malicious activities. It helps identify, prevent, detect, respond to, and recover from cyber incidents while ensuring the confidentiality, integrity, and availability of information and digital services.



Why study AI and Cybersecurity?

Relevance: Industries are embracing AI and struggling to defend against cyber threats. Graduates will be at the forefront of innovation and security.

Global demand: The demand for AI and Cybersecurity experts is soaring, offering abundant career opportunities.



Career opportunities



AI Engineer



Data Scientist



Cybersecurity Analyst



Information Security Expert



Researcher/Consultant



4-Year Curriculum Flexible Overseas Study Pathways

YEAR 1 Foundation Year Program :

- Effective Communication Skills
- Engineering Mathematics I
- Programming in C++
- Physics for Engineering I
- Information and Communication Technology
- Project and Seminar I
- Engineering Mathematic II
- Chemistry for Engineering
- Physic for Engineering II
- Writing and Research Skills
- Critical Thinking Skills
- Engineering History
- Project and Seminar II



Curtin University
1 + 3 Study in Australia



1 + 3 Study in USA
Dual Degree

YEAR 2 Foundation Year Program for Specialist:

- Fundamental Concepts of Data Security
- Integrating Indigenous Science and STEM
- Introduction to Software Engineering
- Programming Design and Implementation
- Computer Communication and Networks
- Project and Seminar III
- Cyber Security Concept
- Data Structures and Algorithm
- Linear Algebra and Statistic for Engineers
- Introduction to Database
- Unix and C Programming
- Project and Seminar IV



MACQUARIE University
2 + 2 Study in Australia



2 + 2 Study in USA
Dual Degree

YEAR 3 Skill and Competency Development:

- Object Oriented Programming
- Operating System
- Automata Theory
- Introduction to Cryptography
- Network
- Ethical Hacking and Penetration Testing
- System and Network Administration
- Introduction to Cybersecurity
- System and Network Security
- Software and Web Security
- Cyber Crime and Security Enhanced Programming
- Entrepreneurship and Innovation
- Introduction to Artificial Intelligence



3 + 1 Study in USA
Dual Degree

YEAR 4 High Level of Skill and Competency Development:

- Machine Learning and Deep Learning
- Computer Vision
- Risk Management
- Digital Forensics
- Natural Language Processing
- Secure DevOps
- Internship 1 (year 3)
- Internship 2 (year 4)



Bachelor's Certificate

Dual Degree
Graduate with Two Degrees
Through Our Transfer Program



Bachelor's Certificate

Pursue your **Next Degree**
with many of our partner
universities

