

— ABOUT US

The **Software Engineering Program** at the Institute of Technology of Cambodia (ITC) prepares highly skilled software engineers to drive digital innovation and support Cambodia's growing digital economy. Through an industry-oriented curriculum, project-based learning, internships, and collaboration with industry and international partners, students gain expertise in software development, cloud computing, web and mobile applications, DevOps, and emerging technologies. Aligned with Cambodia's national digital transformation strategy, the program develops innovative, ethical, and globally competitive graduates ready for careers in software engineering, technology, entrepreneurship, and research.

— OUR MISSION

To equip students with the technical expertise, global perspective and ethical responsibility to lead in software technology — producing proficient engineers and ethical leaders who drive positive change worldwide.

— WHAT IS SOFTWARE ENGINEERING?

Focuses on the design, development, testing, deployment, and maintenance of software applications. It emphasizes building scalable, reliable, and secure systems while integrating Artificial Intelligence (AI) and modern technologies to create innovative solutions for real-world challenges

— WHY STUDY SOFTWARE ENGINEERING?



Relevance

Software engineering is transforming how we live, work and communicate across every industry.



Impact

It boosts economies, enhances productivity and revolutionises communication.



Global demand

Demand for skilled software engineers is rising worldwide, driven by digital transformation.

— GRADUATE COMPETENCIES

Technical proficiency

Problem solving

System Design

Innovation & creativity

Soft skills

Microservices

Research & development

AI Integration

Project-based learning enables students to master technical, analytical, and professional skills while developing innovative software solutions. Graduates are prepared to design scalable systems, leverage AI technologies, and build modern applications for real-world impact

4-Year Curriculum Flexible Overseas Study Pathways

YEAR 1 Understand the fundamental skill in STEM

Effective Communication Skills

Engineering Mathematics

Programming C++

Physics for Engineering

Information and Communication Technology

Project and Seminar

Chemistry for Engineering

Writing and Research Skills

Critical Thinking Skills

Engineering History

 **Curtin University**
1 + 3 Study in **Australia**

 **1 + 3 Study in USA**
Dual Degree

YEAR 2 Demonstrate the basic skill in ICT

Programming Design and Implementation

Introduction to Software Engineering

Fundamental Concepts of Data Security

Data Security and Privacy

Integrating Indigenous Science and STEM

Introduction to Database

Operating Systems

Data Structures and Algorithms

UI/UX Design

Linear Algebra and Statistics for Engineers

Object Oriented Programming

 **MACQUARIE University**
2 + 2 Study in **Australia**

 **2 + 2 Study in USA**
Dual Degree

YEAR 3 Experiment the advanced software engineering skills

Internet Programming

Network Systems Design

Software Engineering Concepts

Software System Architecture

IT Project Management

Mobile Application Development

Automated Software Testing

Entrepreneurship and Innovation

Capstone Computing Project

Game Theory

Internship I

 **3 + 1 Study in USA**
Dual Degree

YEAR 4 Prepare students for jobs in academics and industries

Distributed Systems

Enterprise Resource Planning

Machine Learning

Network Systems Administration

Cloud Computing

DevOps

Internship II



 **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



Institute of Technology of Cambodia

International Engineering School

International Program in

Software Engineering

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

B.ENG · 4 YEARS

International Standard

DUAL DEGREE



OPEN NOW

August – September

Scan to register · Room A-314, Building A, ITC

GENERAL INFORMATION

- ✓ **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

YOUR 4-YEAR JOURNEY

- YEAR 1**
Foundations in STEM
Fundamental skills in science, technology, engineering and mathematics.
- YEAR 2**
Core ICT & Programming
Essential skills in information & communication technology.
- YEAR 3**
Core Software Engineering
Modelling, design and software testing competencies.
- YEAR 4**
Advanced Systems & Careers
Concept design, management, implementation — job-ready for academia & industry.

PROGRAM AT A GLANCE

 **125**
TOTAL CREDITS

 **42**
TEACHING SUBJECTS

 **2**
INDUSTRY INTERNSHIPS

 **9**
GLOBAL PARTNERS

CAREER OPPORTUNITIES

Software Developer / Engineer

Mobile App Developer

Web Developer

Software Architect

IT Project Manager

DevOps Engineer

Entrepreneur

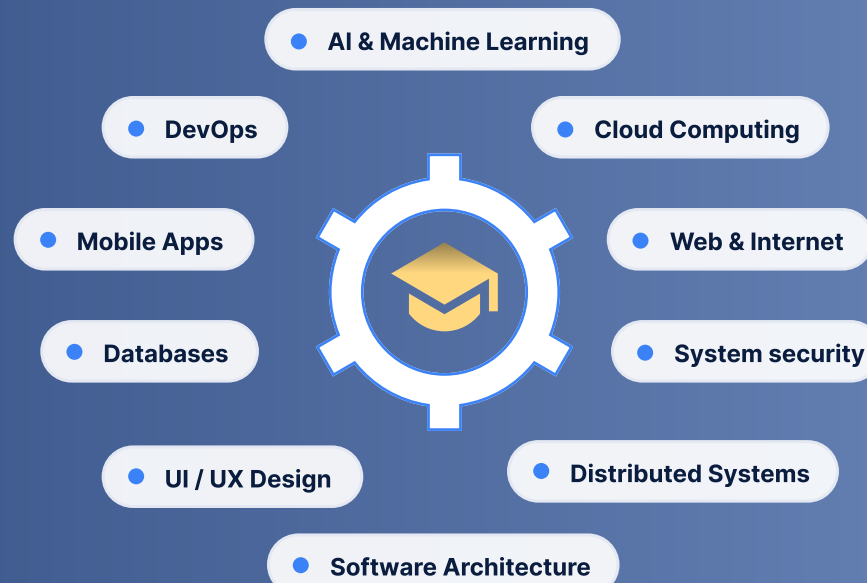
IT Consultant



Modern Pathways Curriculum

Curriculum equips students with advanced programming skills, AI-driven development approaches, and emerging technologies to become industry-ready engineers

SKILLS & TECHNOLOGIES YOU'LL MASTER



WHAT MAKES THIS PROGRAM SPECIAL



University pathways

MOUs with leading international universities — opportunity to transfer and continue their studies at partner institutions



Curtin University, Australia/Malaysia/Singapor/Dubai

Achieve satisfactory Year 1 results are eligible to transfer to Curtin University's international campuses — with IELTS overall 6.5



University of Central Missouri (UCM), USA

Transfer to the USA through flexible 1+3, 2+2, or 3+1 pathways and graduate with two internationally recognized bachelor's degrees from ITC and UCM



Macquarie University, Sydney, Australia

2+2 articulation pathway, earning a globally recognized bachelor's degree — AI, Cyber Security, Data Science, and Software Technology



Modern, AI-ready pedagogy

21st-century skills, adaptive learning and project-based learning built into every course.



Internationally reviewed

Rated high-quality by expert panels from EdUHK (China) & Southern Cross University (Australia).

TUITION & SCHOLARSHIPS



TUITION FEE
\$2,500 / year



SCHOLARSHIPS
Merit + Techo



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



ENSIIE
France



Curtin University
Australia



University of Namur
Belgium



Macquarie University
Australia



Universitas Pendidikan Ganesha
Indonesia



University of Central Missouri
United States

HOW TO APPLY

1

Register

Apply **Aug - Sept** · scan the QR or visit **Room A-314**

2

Entrance exam & Result

Exam/result in **Sept**
Maths, Physics, Chemistry, Logic

3

Enroll

In **Oct**, start your new academic year



Contact us

Application now open

 (+855) 96 5 698 698

 ies-info@itc.edu.kh

 Room A-314, Building A · PO Box 86, Russian Federation Blvd, Phnom Penh