General information

Program requirement

- **Bac II or equivalent certificate**
- **English proficiency :** IELTS ≥ 4.5 or
  TOEFL iBT: ≥ 60 or equivalent certificate
- **Entrance exam at ITC :**
  Exam subjects: **Maths, Physics** and **Chemistry, Logic**

Study duration: 5 years

Year 1	Built essential skills in STEAM and communication
Year 2	Study of fundamentals engineering and programming
Year 3	Foundation of electronics and automation system, professional ethic for engineering
Year 4	Electronics system design and manufacturing, application of smart automation, Project Based Learning (PBL)
Year 5	Techno-Entrepreneurships, Project Development and Management, Continuous PBL (Final year Project)

Medium of instruction: English

What special in this program?

- Exchange Program (Double Degree)
  1. ENSEEIHT - France, (Double Degree)
  2. University of Pavia – Italy (Double Degree)
  3. Sirindhorn International Institute of Technology - Thailand
- Internship with partner industries
- Apply Project-Based Learning

Tuition fee: USD 2,500 per year

Scholarship

Merit-based scholarships are awarded as follows:

- **15% of the enrollment students get 50%**
- **15% of the enrollment students get 30%**

Collaborative partners

Ministry of Education Youth and Sport Cambodia

JICA-LBE Japan

ENSEEIHT - Toulouse France

Sirindhorn International Institute of Technology (SIIT) Thailand

University of Pavia Italy

Contact us

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PO Box 86, Russian Confederation Blvd, Phnom Penh, Cambodia

Application **NOW OPEN**

Deadline **24th November** 2024

Room **B117**, Building **B**, ITC

Scan here to register



International Program in Electronics and Smart Automation System

About us

The Electronics and Smart Automation System (ESAS) Engineering Program aims to develop engineer experts and future techno-entrepreneurs who contribute to solve the complicated global engineering issues, especially the development of electronic board and automation system toward smart-grid, smart building, robotic, and AI/IoT in industry. This program will integrate Project-Based Learning (PBL)/internship to allow students to develop Knowledge, Skills, and Attitude for being successful in their future careers.

Our mission

- Produce graduates with high skills (technical skills and soft skills) for innovation for Cambodian Vision 2030 as well as for the emergence of globalization in the related field.
- Produce graduates who are lifelong learners and entrepreneurs through applied research and development (R&D) projects.



Our vision

The vision is to become a prominent ESAS Engineering Program that produces graduates with 21st-century skills and innovation who will contribute to the technology-led vision of the country in electronics, smart automation systems, robotics, and emerging globalization.

Competencies

- Ability to apply the knowledge of modern tools of mathematics, science, engineering, and technology to the solution of complex engineering problems in the fields of ESAS.
- Ability to apply the knowledge of modern tools of mathematics, science, engineering,
- Ability to design systems, components, or processes meeting specified needs for broadly defined engineering problems
- Ability to conduct standard tests, measure-ments, and experiments, analyze and interpret the results to improve processes in electronics design and smart automation
- Ability to apply written, oral, and graphic communication with appropriate usage of technical literature in broadly defined technical and non-technical environments.
- Ability to obtain effective leadership skills through teamwork, industry interaction, and joint projects with partner industries.
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Career opportunities

- Electronics designer
- Automation designer
- Robotic developer
- Entrepreneur in Electronic/Automation
- Researchers
- Consultant services



