

Career Prospects

- ✓ IC Design Engineer
(Analog/Digital/Mixed-signal)
- ✓ Physical Design Engineer
- ✓ IC Layout Engineer
- ✓ ASIC/SoC Design Engineer
- ✓ Failure Analysis Engineer
- ✓ Yield Engineer
- ✓ Test Engineer
- ✓ Semiconductor Process Engineers
- ✓ Verification Engineer
- ✓ Reliability Engineer
- ✓ R & D Development Engineer
- ✓ Design for Testability (DFT) Engineer
- ✓ Field Application Engineer (FAE)
- ✓ Production/Process Control Engineer
- ✓ Post-Silicon Validation Engineer

...and many more E&E
engineering positions!



Contact Us

Head of Programme

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Head of Department

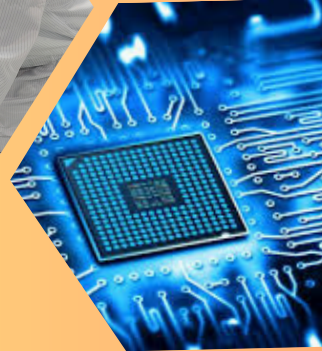
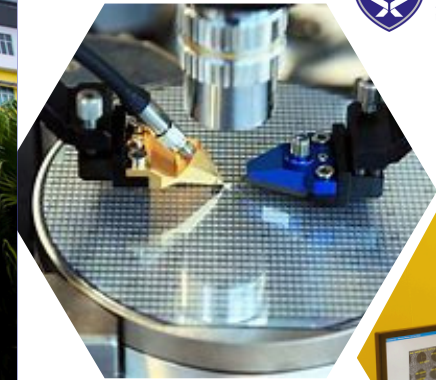
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🌐 <https://fkee.uthm.edu.my>



Bachelor of Electronic Engineering (Semiconductor and Integrated Circuit Design) with Honours

UPU CODE: UB6523006

Join Us!

New student admissions
for 2026/2027 session

”

**Shaping Talent Pipeline,
Powering the
Semiconductor Future** ”

Program Details

Duration: **4 years (Full-time)**

Credits: **135**

Start Date: **October 2026**

Semester 1, 2026/2027

Provisional Accreditation: **MQA, EAC**

NEC: **0713-Electronics and Automation**

Scan for Program details:
UPU CODE: UB6523006



Highlights of The Programme

- 1** Industry-infused Curriculum:
Designed to meet the growing demand for talent in the global semiconductor and IC design sectors and Malaysia's National Semiconductor Strategy (NSS)
- 2** Cutting-edge courses tailored for the semiconductor industry:
Programming Language for IC Design, Embedded System with SoC, Advanced Physical Design, and Design for Test
- 3** Access to state-of-the-art laboratories, industry-standard design tools, and real-world projects.
- 4** Strong Industry Linkages:
Opportunities for internships, collaborations, and career pathways with leading semiconductor companies.
- 5** Future-Proof Career with premium salary – Be part of one of the world's most critical and rapidly expanding industries.



Why Choose this programme?

Bachelor of Electronic Engineering (Semiconductor and Integrated Circuit Design) with Honours is a Bachelor's Degree program designed to empower students and prepare a talent pipeline to become competent in Semiconductor technologies and Integrated Circuit (IC) Design. This program equips graduates with the knowledge and experience necessary to thrive in today's and future semiconductor job market