

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

Dr. Wan Suhaimizan Bin Wan Zaki

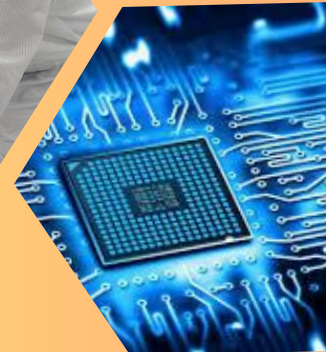
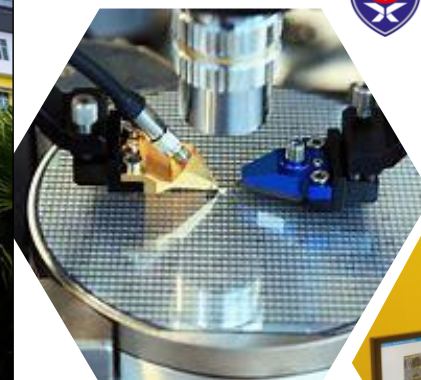
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**Faculty of Electrical and Electronic Engineering,
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<https://fkee.uthm.edu.my>



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

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 Curriculum Structure



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**