

### HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY AND EDUCATION

#### **Faculty of International Education**

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# INTERNATIONAL COLLABORATIVE ACADEMIC PROGRAMS University of Sunderland B.Eng (Hons) Electronic Electrical Engineering

This is to provide the undergraduate collaborative academic programs in partnership with University of Sunderland, UK. The programme is studied, taught and assessed in English. Bachelor's degrees are awarded by University of Sunderland, UK.

#### Progression pathway:

English
Language,
study at
HCMUTE

Stage 1 - Year 1 (study in Vietnam)

Students study 4-level English

programme provided by TEG

International College,

Singapore at HCMUTE. Upon the completion of the English programme, students will be awarded the Certificate of General English and English for Academic Purpoeses Level 4. English language requirement to transfer to Stage 2 is IELTS 5.5 (Reading and Writing must be at 5.5) or Certificate of General English and English for Academic Purposes Level 4 or equivalent.

Pearson BTEC Level 5 HND, study at HCMUTE

Stage 2 - Years 2, 3 (study in Vietnam)

BTEC Level 4 and Level 5
Higher National Diploma
(HND) with 240 UK credits
provided by Pearson
Education, UK will be
delivered at HCMUTE. Upon
the completion of the
programme, students will
be awarded the BTEC Level
5 Higher National Diploma
(HND) by Pearson
Education, UK.

Bachelor's Degree (Top-Up), study at HCMUTE or UoS

Stage 3 - Year 4 (study in Vietnam or UK)

The Top-Up programme with 120 UK credits provided by University of Sunderland, UK will run at HCMUTE or UoS. Upon the completion of the English programme, students will be awarded the Bachelor of Engineering with Honours by University of Sunderland, UK.

## Module List of Stage 2 - BTEC HND (RQF) Electrical and Electronic Engineering

No.	Units	RQF Modules	Level / Credit	Semester
1	Core unit	Unit 1: Engineering Design	4 / 15	1
2	Core unit	Unit 2: Engineering Maths	4 / 15	1
3	Core unit	Unit 3: Engineering Science	4 / 15	1
4	Specialist Unit	Unit 19: Electrical and Electronic Principles	4 / 15	1
5	Core unit	Unit 4: Managing a Professional Engineering Project (Pearson-set)	4 / 15	2
6	Specialist Unit	Unit 22: Electronic Circuits and Devices	4 / 15	2
7	Optional unit	Unit 20: Digital Principles	4 / 15	2
8	Specialist Unit	Unit 39: Further Mathematics	5 / 15	2
9	Optional unit	Unit 15: Automation, Robotics and PLCs	4 / 15	3
10	Core Unit	Unit 35: Professional Engineering Management (Pearson-set)	5 / 15	3
11	Specialist Unit	Unit 44: Industrial Power, Electronics and Storage	5 / 15	3
12	Optional unit	Unit 46: Embedded Systems	5 / 15	3
13	Core Unit	Unit 34: Research Project	5/30	4
14	Specialist Unit	Unit 45: Industrial Systems	5 / 15	4
15	Optional unit	Unit 54: Further Control Systems Engineering	5 / 15	4

## Module List of Stage 3 - B.Eng (Hons) Electronic Electrical Engineering

No.	Module Code and Module Title	Credits
1.	EAT340: Professional Engineering Management Techniques	20
2.	ELX303: Electrical Power	20
3.	ENX300: Manufacturing Systems Design,	20
4.	ELX304: Electronic Systems Design	20
5.	ENX313: Project	40