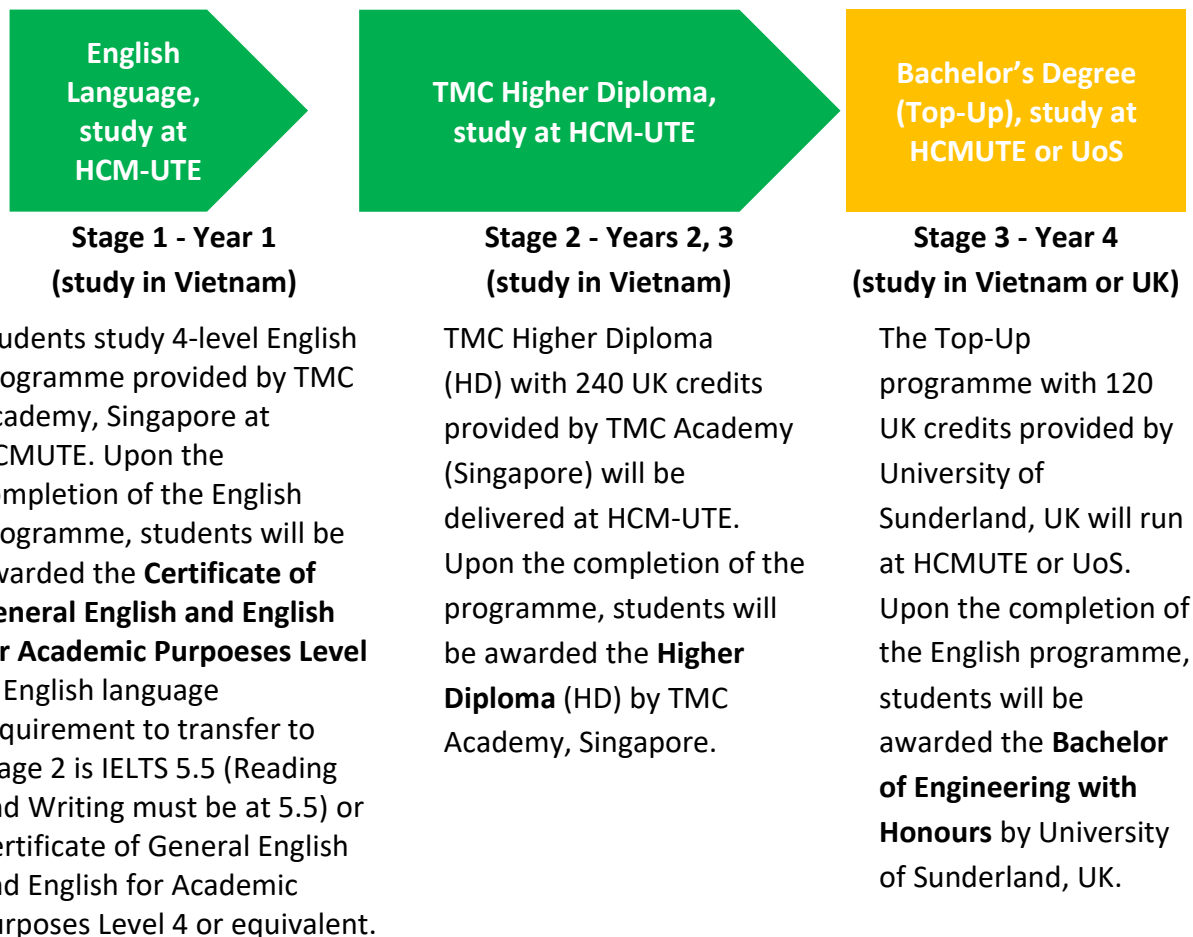




**INTERNATIONAL COLLABORATIVE ACADEMIC PROGRAMS**  
**University of Sunderland**  
**B.Eng (Hons) Electronic Electrical Engineering**

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:**



**Module List of Higher Diploma in Electrical and Electronic Engineering  
(Level 4 and 5)  
TMC Academy, Singapore**

Students are admitted to the course on either a full-time or part-time basis. The Higher Diploma in Electrical and Electronic Engineering curriculum comprises of 240 credit points over 6 core modules and 6 Optional modules.

No.		Module Code	Module Title	Credits	Semester
<b>Core Modules</b>					
1.	Core	ENG101	Engineering Mathematics 1	15	1
2.	Core	ENG103	Applied Science	15	1
3.	Optional	ENG201	Electrical and Electronic Principles	15	1
4.	Optional	ENG 107	Programming for Engineers	15	1
5.	Core	ENG102	Engineering Mathematics 2	15	2
6.	Core	ENG202	Analogue and Digital Electronics	15	2
7.	Core	ENG204	Application of Electronic Devices	15	2
8.	Optional	ENG105	Project Management	15	2
9.	Optional	ENG104	Engineering Design	15	3
10.	Optional	ENG 109	PLCs, Robotics and Automation	15	3
11.	Optional	ENG 110	Principles of Digital Electronics	15	3
12.	Optional	ENG 213	Embedded Systems	15	3
13.	Optional	ENG205	Control Systems and Automation	15	3
14.	Optional	ENG 214	Industrial Systems	15	4
15.	Optional	ENG 217	Machine Learning Systems and Programming	15	4
16.	Core	ENG211	Engineering Project – Electrical and Electronic	15	4
<b>Total</b>				<b>240</b>	

**Module List of BA (Hons) Electrical and Electronic Engineering Top Up  
(Level 6)  
University of Sunderland**

No.	Module code	Module Title	Credits
1.	EAT340	Professional Engineering Management Techniques	20
2.	ELX303	Electrical Power	20
3.	ELX304	Electronic System	20
4.	ENX300	Manufacturing Systems Design	20
5.	ENX313	Project	40
<b>Total</b>			<b>120</b>