





AU-HWU STUDY ABROAD PROGRAM



2 + 2 PROGRAM

Double Degree, Joint program

@Heriot - Watt University

For more information





Electrical and Electronics Engineering					
Assumption University					
FIRST Y	EAR	FIRST YI	FIRST YEAR		
First Semester		Second Se	Second Semester		
BG 0008	General Chemistry Laboratory	BG 1002	English II		
BG 1001	English I	BG 1205	Calculus II		
BG 1108	General Chemistry	BG 1213	Physics II		
BG 1204	Calculus I	BG 1214	Physics Laboratory II		
BG 1211	Physics I	BG 1221	Computer Programming		
BG 1212	Physics Laboratory I	ME 1113	Engineering Drawing		
IE 1110	Engineering Materials	ME 1114	Engineering Workshop		
MGT	Introduction to Business	GE 2202	Ethics		
1101					
SECONI	YEAR	SECOND	SECOND YEAR		
First Sem		Second Se			
BG 2000	English III	BG 2001	English IV		
BG 2207	Engineering Mathematics	ME2211	Engineering Mechanics I		
BG 2208	Discrete Mathematics	CE 2704	Digital Logic Design		
EE 2201	Electric Circuits	CE 2705	Digital Logic Design Laboratory		
EE 2202	Electric Circuits Laboratory	TE3000	Principal of Communications		
EE 2605	Engineering Electronics	EE 4705	Power Electronics		
EE 2606	Engineering Electronics Laboratory	EE 4706	Power Electronics Laboratory		
ME 2211	Engineering Mechanics I	GE 2101	World Civilization		
EE 3705	Microprocessors and Microcontrollers	EE 3606	Electrical Instruments and Measurements		
220,00	The state of the s	MCE4102	Introduction to industrial Automation		
	Heriot- W	att Univ			
Third YE		Thirst YI			
First Sem			Second Semester		
B39AX	Engineering mathematics and Statistics	B39MA	Electromagnetism		
B39ES	Electrical Energy Systems	B39SB	Time Frequency and Signal Analysis (Free Elective)		
B39SA	Signals and Systems	B39VS	System Project		
B39SE	Semiconductor Electronics				
Final YEAR		Final YE	Final YEAR		
First Semester			Second Semester		
B30UB	4 TH Year Project 1	B30UC	4 TH Year Project 2		
B30ES	Industrial Power Systems	B30EK	Sustainable Energy and Power System		
B31GA	Electrical Power Systems	B30UF	4 TH Year Individual Project		
B30EJ	Linear Control	B31SE	Image Processing (Major Elective)		
B31DD	Embedded System (Major Elective)	B31XO	Scalable Inference & Deep Learning I (Major Elective)		

TELECOMMUNICATION AND ELECTRONICS ENGINEERING

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BG 1001	English I	BG 1205	Calculus II	
BG 1108	General Chemistry	BG 1213	Physics II	
BG 1204	Calculus I	BG 1214	Physics Laboratory II	
BG 1211	Physics I	BG 1221	Computer Programming	
BG 1212	Physics Laboratory I	ME 1113	Engineering Drawing	
IE 1110	Engineering Materials	ME 1114	Engineering Workshop	
MGT1101	Introduction to Business	EE2401	Electromechanical Energy Conversion	
SECOND YEAR		SECOND YEAR		
First Semester		Second Semester		
BG 2000	English III	BG 2001	English IV	
BG 2207	Engineering Mathematics	CE 2704	Digital Logic Design	
BG 2208	Discrete Mathematics	CE 2705	Digital Logic Design Laboratory	
EE 2201	Electric Circuits	GE 2101	World Civilization	
EE 2202	Electric Circuits Laboratory	CE 4207	System and Network Programing	
ME 2211	Engineering Mechanics I	CE 4224	Telecommunication Networks Laboratory	
EE3606	Electrical Instruments and Measurements	CE4228	Data Communication and Networking	
Ge2202	Ethics	TE 4111	Antenna Engineering	
TE3102	Communication Networks and Transmission	TE 4112	Optical Communication	
	Lines			
TE 3301	Radio Wave Propagation	EE2401	Electromechanical Energy Conversion	
		EE2401	Electromechanical Energy Conversion Laboratory	

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First Semester		Second Semester		
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Final YEAR		Final YEAR		
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B30UB	4 TH Year Project 1	B30UC	4 TH Year Project 2	
B30ES	Industrial Power Systems	B30EK	Sustainable Energy and Power System	
B30SQ	Communication Device and System	B30UF	4 TH Year Individual Project	
B30EJ	Linear Control	B30EI	Advanced Analogue Electronics	
B31DD	Embedded System	B31SE	Image Processing	
D20DE	Computer Architecture and Embedded Systems	D21VO	Saslabla Informaca & Doon Lagraina I	

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Topic	Details
Program Offer	Assumption University Bachelor of Engineering in
Place(Country, City)	Scotland, Edinburgh City
Tuition Fees	£19,400 (Approximately 860,000 Baht)/ Per year Tuition fee will be increased approx. GBP200 per year. https://www.hw.ac.uk/uk/study/undergraduate/electrical-and-electronic-engineering.htm * First semester tuition fees must pay in the name of Assumption University
Duration	2 year
Admission Period	February, September
Living Cost	£865 to £1,100 (34,600 – 44,000 Baht)/ months (9 months per year)
Accommodation, Health and student supports	University Accommodation: https://www.hw.ac.uk/uk/edinburgh/accommodation/undergraduate-accommodation.htm Health, Wellbeing and student supports: https://www.hw.ac.uk/uk/students/edinburgh-campus.htm Living in the UK (Banking & Budgeting, Working in the UK): https://www.hw.ac.uk/uk/students/international/uk.htm
IELTS Score	6.0 (Academic) or above with a minimum of 5.5 in each component of
	writing, speaking, listening and reading.
Scholarship	10%
Accumulative GPA	3.00

Students allowed to work on or off campus - 20 hours/ week during term time and 40 hours/ week during holiday break. https://www.hw.ac.uk/uk/students/careers/uk/jobs/working-in-the-uk.htm

Internship opportunities for foreign students -

https://www.hw.ac.uk/uk/students/careers/uk/jobs/internships-work-experience.htm

Job opportunities for foreign students after graduation, more info is here- https://www.hw.ac.uk/uk/students/careers/uk/jobs/graduate-jobs.htm

From June 2021, students who graduated from the UK can apply for a post-study visa for 2 years. https://www.gov.uk/government/news/uk-announces-2-year-post-study-work-visa-for-international-students

Application period

- ❖ At least 4 months before the semester begins.
- Deposit of 10,000 baht for the application fee (it is refundable only in the case of visa or university rejection.)