



## INTERNATIONAL JOINT TRAINING PROGRAM

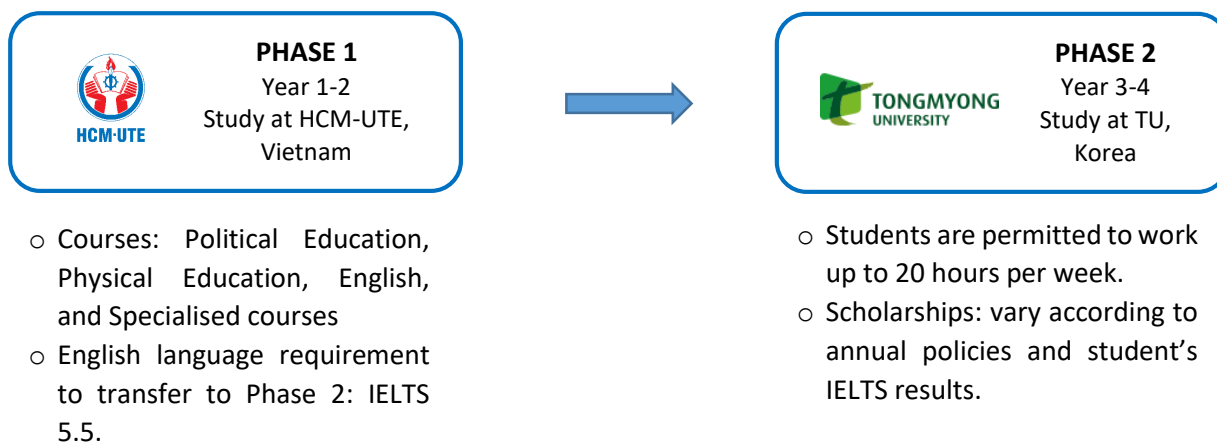
### BACHELOR'S DEGREE IN INFORMATION TECHNOLOGY - 2+2 PATHWAY

#### TONGMYONG UNIVERSITY

#### OVERVIEW

- This is to provide the undergraduate joint training programs (2+2 pathway) in partnership with Tongmyong University (TU), Korea.
- Bachelor's degrees: be awarded by Tongmyong University (TU), Korea.
- Duration of the program: 4 years.
- Language instruction: English.
- Number of credits: 118 credits.

#### PROGRESSION PATHWAY



*\* Tuition fees and scholarship schemes are subject to change on an annual basis.*

## LIST OF COURSES

### PHASE 1 – YEAR 1 (Study in Vietnam)

Comp/Elec	Course Code	Course Name	Credits
<b>Semester 1</b>			<b>10</b>
Compulsory	MATH141401E	Calculus 1	4
Compulsory	INIT130185E	Introduction to Information Technology	3
Compulsory	INPR140285E	Introduction to programming	3
<b>Semester 2</b>			<b>12</b>
Compulsory	MATH141601E	Calculus 2	4
Compulsory	DIGR240485E	Discrete mathematics & graph	3
Compulsory	MATH122101E	Probability and application	2
Compulsory	PRTE240385E	Programming techniques	3

### PHASE 1 – YEAR 2 (Study in Vietnam)

Comp/Elec	Course Code	Course Name	Credits
<b>Semester 1</b>			<b>16</b>
Compulsory	MATH141701E	Calculus 3	3
Compulsory	PHYS130502E	Physics	3
Compulsory	PHYS110702E	Experiments of Physics	1
Compulsory	DASA240179E	Data structure and algorithms	3
Compulsory	OOPR240279E	Object oriented programming	3
Compulsory	DBSY240184E	Database	3
<b>Semester 2</b>			<b>16</b>
Compulsory	WIPR240579E	Programming on Windows	3
Compulsory	CAAL240180E	Language	3
Compulsory	OPSY340280E	Operating system	3
Compulsory	PHED130715E	Physical Education 3	3
Compulsory	NEES340380E	Networking	3
Compulsory		Project 1	1

**PHASE 2 – YEAR 3 (Study in Korea)**

Comp/Elec	Course Name (Korea)	Course Name (English)	Credits
<b>Semester 1</b>			<b>18</b>
Compulsory	c 프로그래밍	C++ Programming	3
Compulsory	데이터베이스응용	Database Applications	3
Compulsory	마이크로프로세서응용	Microprocessor Applications	3
Compulsory	소프트웨어공학	Software Engineering	3
Compulsory	운영체제	Operating System	3
Compulsory	컴퓨터네트워크	Computer Network	3
<b>Semester 2</b>			<b>18</b>
Compulsory	네트워크프로그래밍	Network Programming	3
Compulsory	소프트웨어설계및개발	Software Design and Development	3
Compulsory	웹프로그래밍 1	Web Programming 1	3
Compulsory	응용임베디드체계	Applications of Embedded System	3
Compulsory	정보보안	Information Security	3
Compulsory	프로그래밍언어	Programming Language	3

**PHASE 2 – YEAR 4 (Study in Korea)**

Comp/Elec	Course Name (Korea)	Course Name (English)	Credits
<b>Semester 1</b>			<b>13</b>
Compulsory	웹프로그래밍 2	Web Programming 2	3
Compulsory	캡스톤디자인	Capstone Design	3
Compulsory	컴파일러	Compilers	3
Compulsory	시스템프로그래밍	System Programming	4
<b>Semester 2</b>			<b>15</b>
Compulsory	모바일프로그래밍	Mobile Programming	3
Compulsory	인공지능	Artificial Intelligence	3
Compulsory	고급캡스톤디자인	Advanced Capstone Design	3
Compulsory	실무프로그램	Work Experience Program	6