



INTERNATIONAL JOINT TRAINING PROGRAM

BACHELOR'S DEGREE IN MECHANICAL ENGINEERING - 2+2 PATHWAY

KETTERING UNIVERSITY

OVERVIEW

- This is to provide the undergraduate joint training programs (2+2 pathway) in partnership with Kettering University (Kettering), United States of America.
- Bachelor's degrees: be awarded by Kettering University (Kettering), USA.
- Duration of the program: 4 years.
- Language instruction: English.
- Number of credits: ~161 credits.

PROGRESSION PATHWAY



LIST OF COURSES

PHASE 1 – YEAR 1 (Study in Vietnam)

Comp/Elec	Course Code	Course Name	Credits
Semester 1			10
Compulsory	INME130125E	Introduction to Engineering Technology	3
Compulsory	MATH141601E	Calculus 1	4
Compulsory	GCHE130603E	General Chemistry for Engineers	3
Compulsory	PHED110513E	Physical Education 1	*1
Elective	EHQT 130137E	Academic English 1	*3
Elective	EHQT 230237E	Academic English 2	*3
Semester 2			19
Compulsory	MATH141701E	Calculus 2	4
Compulsory	PHYS 130402E	Principles of Physics 1	3
Compulsory	PHED110613E	Physical Education 2	*1
Compulsory	EDDG240120E	Descriptive Geometry & Technical Drawing (3+1)	4
Elective	THME230721E	Mechanics in Engineering	3
Elective	MASI230226E	Materials Science	2
Elective	MATE211126E	Experiments in Materials Science	1
Elective	MHAP120227E	Mechanical Works Practice	2
Elective	EHQT 230337E	Academic English 3	*3
Elective	TEEN123725E	Technical English 1	*2

PHASE 1 – YEAR 2 (Study in Vietnam)

Comp/Elec	Course Code	Course Name	Credits
Semester 1			20
Compulsory	CAED230220E	Basic of Computer Aided Design (CAD) (2+1)	3
Compulsory	MATH141801E	Calculus 3	4
Compulsory	PHED130715E	Physical Education 3	3
Elective	STMA230521E	Strength of Materials	3
Elective	TOMT220225E	Measuring Techniques & Tolerances	2
Elective	EXMM210325E	Experiments in Mechanical Measurement	1
Elective	PCAD230220E	Practice Basic of Computer Aided Design	2
Elective	AWEP210426E	Arc Welding Practice	1
Elective	GWEP210326E	Oxy-acetylene Welding Practice	1
Elective	TEEN233825E	Technical English 2	*3

Semester 2			20
Compulsory	AMME331529E	Applied Mathematics in Mechanical Engineering	3
Compulsory		General Knowledge Option Course 1	4
Elective	TMMP230220E	Principles and Parts of Machines	3
Elective	PMMD310423E	Projects on Theory of machine and machine design	1
Elective	FMMT330825E	Fundamentals of Machine Manufacturing Technology	3
Elective		Foundation Knowledge Option Course	3
Elective	BATP 230327E	Basic Turning Practice	3
Elective	EHQT 230437E	Academic English 4	*3