

The University of Hong Kong
Department of Mechanical Engineering

Application for FOCUS

Part I: Personal Particulars

University No: _____ Name: _____
(Surname) (First Name)

HK Contact Tel. No.: _____ Email Address: _____

Programme: _____ Year _____ Year of
Admitted: _____ Study: _____

A student may choose to claim any of the following Six Focuses, provided that he/she must have completed the courses required under the corresponding Focus.

Please tick	Robotics, Drones and Control (All the following three elective courses)	
	Course Code	Course Name
	MECH3433	Robotics, drones and autonomous ground vehicles
	MECH4404	Automatic control
	MECH4427	Innovative design and unmanned aerials systems

Please tick	Aerospace Engineering (At least three of the following elective courses)	
	Course Code	Course Name
	MECH3416	Fundamentals of aeronautical engineering
	MECH3433	Robotics, drones and autonomous ground vehicles
	MECH4414	Materials for engineering applications
	MECH4415	Applied stress and strength analysis
	MECH4421	Viscous flow
	MECH4427	Innovative design and unmanned aerials systems

Please tick	Intelligent Built Environment (At least three of the following elective courses)	
	Course Code	Course Name
	ELEC4149	Basic lighting engineering
	MECH3429	Air conditioning and refrigeration
	MECH3430	Fire protection in buildings
	MECH3431	Utility services in buildings
	MECH4409	Energy conversion systems
	MECH4423	Building energy management and control systems

Please tick	Materials Science and Engineering (At least three of the following elective courses)	
	Course Code	Course Name
	MECH4411	Heat transfer
	MECH4414	Materials for engineering applications
	MECH4415	Applied stress and strength analysis
	MECH4421	Viscous flow
	BMED3600	Biomaterials science and engineering
	ELEC3347	Electronic materials and quantum physics

Please tick	Environmental Engineering (At least three of the following elective courses from 3 different categories)	
	Course Code	Course Name
	Category 1	CIVL3111 Wastewater treatment
	Category 2	CIVL3115 Solids and hazardous waste management
	Category 3	MECH3420 Air pollution control
		MECH4428 Sound and vibration
	Category 4	MECH4409 Energy conversion systems
		MECH4423 Building energy management and control systems
	Category 5	MECH4411 Heat transfer

Please tick	Energy Engineering (All the following three elective courses)	
	Course Code	Course Name
	MECH4409	Energy conversion systems
	MECH4411	Heat transfer
	MECH4423	Building energy management and control systems

Remarks:

1. In principle, double counting is not permissible. A particular elective course shall be counted towards one Focus Area only. A student can claim two or more Focus Areas provided that no course is being counted twice.
2. The Focus would not be shown on AAP/transcript. Department will issue the certificates to the eligible students after they fulfilled the requirement.

Signature: _____

Date: _____

FOR OFFICE USE ONLY

Department office Use Only

Supported / Not supported*.

Date: _____

Department Head/
Programme Director's* Signature: _____

Faculty Office Use Only

Approved / Disapproved*.

Date: _____

Faculty Board Chairman's Signature: _____

*Please delete as appropriate
January 2023