Engineering Technology (G), Micro Credential(8 Credits)

ENGS-G-MP-002

Admitted Academic Year：2026

Program's Descriptions：

Through the course, learn the environmental dynamics in the field of engineering technology, the basic theory of solid diffusion, the mechanical properties of various fibers and their molecular structure, Multi-layer manufacturing and composite manufacturing technology, but also for the development of a sustainable society, industry and service industries need to understand how to deal with environmental, economic and social challenges and change industrial behavior.

Program's Curriculum：

Required/ Elective	Course Number	Course name	Credit	Course Clusters
Elective	ENGS1010	INTRODUCTION TO COMPUTER AND COMPUTING	2	1.基礎
Elective	AERO2027	LINEAR ALGEBRA	3	1.基礎
Elective	FCME3050	FIBER DYEING PROCESS	2	1.基礎
Elective	EES6009	ENVIRONMENTAL KINETICS	3	1.基礎
Elective	EAR6024	FUNDAMENTALS OF ACOUSTICS	3	1.基礎
Elective	FCME2065	DIGITAL DESIGN GRAPHICS OF MANUFACTURING APPLICATIONS(1)	1	2.進階
Elective	FCME2066	DIGITAL DESIGN GRAPHICS OF MANUFACTURING APPLICATIONS(2)	1	2.進階
Elective	FCME3099	PLASMA PROCESSES AND POLYMERS	3	2.進階
Elective	MSE6004	DIFFUSION IN SOLIDS	3	2.進階
Elective	MCAE6008	APPLICATION AND PRACTICE OF ADVANCD AUTOMATION SYSTEM	3	2.進階
Elective	MCAE6015	OPTIMAL DESIGN IN ENGINEERING	3	2.進階
Elective	MCAE6020	ENERGY APPLICATION AND THERMAL POWER PLANT	3	2.進階
Elective	MCAE6024	MICRO FABRICATION AND NET ZERO CARBON EMISSIONS	3	2.進階
Elective	MCAE6028	UAV PROPULSION SYSTEMS AND INTEGRATION DESIGN	3	2.進階
Elective	FCME6033	ADVANCED FIBER CHEMISTRY	3	2.進階
Elective	CHE6083	ADVANCED FLUID MECHANICS	3	2.進階
Elective	CHE6086	CATALYTIC PROCESS ENGINEERING	3	2.進階
Elective	MCAE6027	THE DISCUSS OF SYSTEM ENGINEERING FOR UNMANNED AERIAL VEHICLE DESIGN	2	3.應用
Elective	INEN6073	SUSTAINABLE MANUFACTURING AND ECO-INNOVATION	1	3.應用

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Total credits： 8 Required credits： 0 Elective credits： 8

Industrial Classification：

C00	Manufacturing

Guidelines for Program Completion：

Management Unit： College of Engineering and Science / College of Engineering and Science