Semiconductors (G) (EMI), Micro Credential(9 Credits)

ENGS-G-MP-001

Admitted Academic Year：2026

Program's Descriptions：

This course is expected to provide a general introduction to various key semiconductor technologies.

Program's Curriculum：

Required/ Elective	Course Number	Course name	Credit	Course Clusters
Elective	ENGS6001	INTRODUCTION TO SEMICONDUCTORS PROCESS, PACKAGING, TESTING AND RELIABILITY	3	1.基礎
Elective	OPT6004	PHYSICAL OPTICS	3	1.基礎
Elective	CHE6094	FUNDAMENTALS OF SEMICONDUCTOR FABRICATION PROCESSES	1	1.基礎
Elective	CHE6003	ADVANCED CHEMICAL ENGINEERING THERMODYNAMICS	3	2.進階
Elective	OPT6016	PRINCIPLE OF SIGNAL INTEGRITY	3	2.進階
Elective	MSE6030	OPTICAL AND ELECTRICAL PROPERTIES OF SEMICONDUCTORS	3	2.進階
Elective	GEST6027	CARBON FOOTPRINT	3	3.應用
Elective	EES6057	ENVIRONMENTAL NANOTECHNOLOGY	3	3.應用

Total credits： 9 Required credits： 0 Elective credits： 9

Industrial Classification：

C26	Manufacture of Electronic Parts and Components

Guidelines for Program Completion：

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