Course Structure for M.A. Program
GPE, Department of Mechatronic Technology
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
113	4.0	12.0	12.0	28.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 4.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
MTC8016	1 E Seminar (I)	1.0	1.0	0.0	
MTC8017	2 E Seminar (II)	1.0	1.0	0.0	
MTC8018	3 E Seminar (III)	1.0	1.0	0.0	
MTC8019	4 E Seminar (IV)	1.0	1.0	0.0	

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 12.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
MTC0014	1 E Nano Science and Technology	3.0	3.0	0.0	
MTC0017	2 E Linear Control Systems	3.0	3.0	0.0	
MTC0019	3 E Applied Optics	3.0	3.0	0.0	
MTC0012	4 E Analysis and Design of Thermal-Fluid Systems	3.0	3.0	0.0	
MTC7001	5 E Precision Micro Manufacturing Engineering	3.0	3.0	0.0	
MTC9003	6 E Digital Signal Processing	3.0	3.0	0.0	
MTC8014	7 E Adaptive Control	3.0	3.0	0.0	
MTC9009	8 E Micro-Joining Engineering	3.0	3.0	0.0	
MTC9018	9 E Semiconductor Fabrication Process	3.0	3.0	0.0	
MTC9019	10 E High Power Semiconductor Devices	3.0	3.0	0.0	
MTC0025	11 E Digital Image Processing	3.0	3.0	0.0	
MTC8020	12 E Modern Control	3.0	3.0	0.0	

IV. Free Elective Credits: 12.0 credits are required