

MUST Curriculum Planning for Graduate Students for Academic Year 2024-2025,
Institute of Precision Mechatronics Engineering

1st year(2024)						2nd year(2025)					
	Course	1st semester		2 nd semester			Course	1st semester		2 nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
		1	2	1	2			Cr.	hr.	Cr.	hr.
School Professional Required Courses	Seminar					School Professional Required Courses					
	Research Methodo and Thesis Writing	1	2								
	Subtotal	2	4	1	2		Subtotal	0	0	0	0
Compulsory Courses						Compulsory Courses	Thesis	3	3	3	3
	Subtotal	0	0	0	0		Subtotal	3	3	3	3
Elective Courses	Precision Machine Design		3		3	Elective Courses	Welding Metallurgy		3		3
	Introduction to Robotics		3		3		Introduction to Artificial Intelligence		3		3
	Finite Element Method and Engineering Application		3		3		Advanced Artificial Intelligence		3		3
	3D Reverse Rapid Design		3		3		Applied Techniques of Fluid Mechanics		3		3
	Materials Design and Selection		3		3		Precision Machine Design(II)		3		3
	Special Topics of Semiconductor Technology		3		3		Computer-Aided Engineering - Case Study		3		3
	Intelligent Mechatronics and Industrial Internet of Things		3		3		Metallurgy and properties of Mechanical		3		3
	Laser Technology and Application		3		3		Introduction to Modern Control Methods		3		3
	Practice of Computer Control System		3		3		Advance Heat Transfer Practical		3		3
	Internship Practical Training(I)		9		9		Green technology and engineering		3		3
							Internship Practical		9		9

Cr./hr.=Credit/hour

【Remarks】

- 1.Minimum graduation credits: 30 credits, including 21 elective credits (at least 15 credits for this major, the rest can be other departments).
- 2.Study credits per semester: the lower limit is 1 credit.
- 3.Students must earn at least one English as a Medium of Instruction course credit (2 credits or more) to graduate from the program.
- 4.All 6 thesis credits will be granted only after passing the oral exam.
- 5.Elective courses for listed are subject to change if necessary.
- 6.According to university regulations, students are required to meet the graduation requirement of basic proficiency and professional skills.