

MUST Curriculum Planning for Graduate Students for Academic Year 2026–2027,
Institute of Precision Mechatronics Engineering

1 st year(115)						2 nd year(116)					
	Course	1 st semester		2 nd semester			Course	1 st semester		2 nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Seminar	2	2	2	2	MUST Core Required Courses					
	Research Methodo and Thesis Writing	2	2								
	Subtotal	4	4	2	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(I)	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			Plastics Injection Molding Technology	3		3	
	3D Reverse Rapid Design	3		3			Taguchi Quality Engineering	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			3D Printing Technology	3		3	
	Practice of Computer Control System	3		3			Advanced Introduction of Metal Forming Processes	3		3	
	Internship Practical Training(I)	3		3			Green technology and engineering	3		3	
	Internship Practical Training(I)	3		3			Internship Practical Training(II)	3		3	

Cr. /hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 12 credits, electives: 18 credits (elective credits include inter-departmental elective 6 credits).
2. Study credits per semester: the lower limit is 1 credit.
3. Students of this institute must obtain at least one full English course credit (more than 6 credits) before they can graduate.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.
6. Internship(I) and Internship(II) not included inelective credits.
7. This form created in 2026/3/13.