

Department of Mechanical Engineering

Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program	Two-year technical college program of the Day Division								
Group	None								
Class Type	International Student Program								
Special Program	None								
Curriculum Committee	Department Curriculum		114.04.09						
	College Curriculum		114.05.16						
	University Curriculum		114.06.09						
	Academic Affairs		114.06.09						
Graduation Credits /Study Duration	At least 72 credits required (normally 2 years).								
Credit Load per Semester	Two-year program students are required to take a minimum of 9 credits and a maximum of 28 credits per semester.								
Required and Elective	Credits		Subject Category			Credits			
Required	51 Credits		General Education			0 Credits			
			Major Required			51 Credits			
			College Major			0 Credits			
Elective	21 Credits		General Education			0 Credits			
			Major Elective			21 Credits			
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
First Semester, Third Year					Second Semester, Third Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Required	304213	Mechanics of Materials	3/3		Major Required	304217	Numerical Control Machining and Practice	3/3	
Major Required	304214	Material Science	3/3		Major Required	304226	Computer aided drawing and Practice	3/3	Computer Course
Major Required	304216	Precision Measurement and Practice	3/3		Major Required	304227	Engineering Material Testing and Practice	3/3	
Major Required	304224	Mechanical Workshop Practice	3/3		Major Required	399204	Basic Chinese (2)	4/4	
Major Required	304225	Mechanical Engineering Drawing and Practice	3/3	Computer Course	Major Elective	304849	Introduction of CNC Machine Design	3/3	
Major Required	399104	Basic Chinese (1)	5/10		Major Elective	304850	Microcomputer Interfacing Practice	3/3	
Major Elective	304848	Pneumatic Control and Practice	3/3		Major Elective	304854	Mechatronics Integration Practice	3/3	
Major Elective	304864	Manufacturing Engineering	3/3		Major Elective	304866	Mechanical Component Design and Practice	3/3	
Major Elective	304875	Principles and Applications of Robotic Arms	2/2		Major Elective	304869	Programmable Logic Controller Application and Practice	3/3	

Major Elective	304876	Engineering Statistics and Quality Management	2/2		Major Elective	304870	Computer-Aided Manufacturing and Practice	3/3	
					Major Elective	304871	Computer-aided Mechanism Design and Practice	3/3	Computer Course
30 Credits, 35 Hours					34 Credits, 34 Hours				
First Semester, Fourth Year					Second Semester, Fourth Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Required	304229	Semester Off-Campus Internship(1)	9/9		Major Required	304230	Semester Off-Campus Internship(2)	9/9	
Major Elective	304872	Summer off-campus internship	3/3		Major Elective	399404	Advanced Chinese (2)	2/2	
Major Elective	399304	Advanced Chinese (1)	2/2						
14 Credits, 14 Hours					11 Credits, 11 Hours				