

Undergraduate Curriculum of N.T.O.U. Department of Mechanical & Mechatronics Engineering  
(For 112 Academic Year International Students)

Classification	Course	Credit	Year 1st		Year 2nd		Year 3rd		Year 4th	
			Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<b>General Required Courses</b>	Swimming Graduation Requirements	0					0			
	English Graduation Requirements	0					0			
	Introduction to Oceanography	2		2						
	Introduction to Artificial Intelligence	2	2							
	Chinese	6	3	3						
	English	4	2	2						
	General Education	6			2	2	2			
	Physical Education	0	0	0	0	0				
	Service-Learning Program-Campus Service (I)	0	0							
	Service-Learning Program-Campus Service (II)	0		0						
<b>Subtotal of General Required Courses Credits</b>		20	7	7	2	2	2	0	0	0
<b>Departmental Required Courses</b>	Engineering Graphics	1	1							
	Engineering Graphics Drawing	1	1							
	Matlab Programming Language	3	3							
	Work Shop Practice	1	1							
	Precision Measurement and Processing Experiments	1		1						
	Calculus	6	3	3						
	General Physics	3		3						
	General Physics Experiments	1		1						
	Mechanical Drawing	1		1						
	Mechanical Drawing Work Shop	1		1						
	Statics	3			3					
	Engineering Mathematics	6			3	3				
	Applied Electronics	3				3				
	Electric Circuits	3			3					
	Thermodynamics (I)	3			3					
	Thermodynamics (II)	3				3				
	Dynamics	3				3				
	Engineering Materials	3			3					
Mechanics of Materials	3					3				
Machine Design	3						3			

	Mechanism	3					3			
	Manufacture Process	3		3						
	Fluid Mechanics	3					3			
	Heat Transfer	3						3		
	Automatic Control Systems (I)	3					3			
	Research in Special Topics	2						2		
	Mechanical and Mechatronic Engineering Experiments (I)	1						1		
	Mechanical and Mechatronic Engineering Experiments (II)	1							1	
	General Chemistry	2	2							
	General Chemistry Experiments	1	1							
<b>Subtotal of Departmental Required Courses Credits</b>		74	12	13	15	12	12	9	1	0
<b>Departmental Required Courses and Elective Courses of Main Specialty</b>	Main Specialty	12					3	3	3	3
<b>Subtotal of Departmental Required Courses and Elective Courses of Main Specialty Credits</b>		12	0	0	0	0	3	3	3	3
<b>Total Credits</b>		106	19	20	17	14	17	12	4	3
<b>Total of Required Courses Credits</b>		106								
<b>Minimum of Elective Credits</b>		18								
<b>Minimum of Undergraduate Credits</b>		124								