Undergraduate Curriculum of N.T.O.U. Department of Mechanical & Mechatronic Engineering (For 103 Academic Year Students)

	Course	Credit			Year 2nd		Year 3rd		Year 4th	
Classification										
			Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	Chinese	6	3	3						
	English	6	2	2	2					
General Required	General Education	16	2	2	4	4	2	2		
Courses	Physical Education	0	0	0	0	0				
	Service-Learning Program-Campus Service (I)	0	0							
	Service-Learning Program-Campus Service (II)	0		0						
Subtotal of General Required Courses		28	7	7	6	4	2	2	0	0
Credits		20		,	0	7		2	U	U
	Engineering Graphics	1	1							
	Engineering Graphics Drawing	1	1							
	Matlab Programming Language	3	3							
	Work Shop Practice	1	1							
Device de la control	Precision Measurement and Processing Experiments	1		1						
Departmental Required Courses	Calculus	6	3	3						
-10quilea Courses	General Physics	3		3						
	General Physics Experiments	1		1						
	Mechanical Drawing	1		1						
	Mechanical Drawing Work Shop			1						
	Statics	3			3					
	Engineering Mathematics	6			3	3				

Subtotal of Departmental Elective Courses of Minor Specialty Credits6000000330Total Credits12019202116171773Total of Required Courses Credits120Minimum of Elective Credits12		Applied Electronics	3				3				
Thermodynamics (II) 3 3 3 3 4 4 4 4 4 4			3			3					
Dynamics		Thermodynamics (I)	3			3					
Engineering Materials 3		Thermodynamics (II)	3				3				
Mechanics of Materials		Dynamics	3				3				
Machine Design 3		Engineering Materials	3			3					
Mechanism 3		Mechanics of Materials	3					3			
Mechanism 3		Machine Design	3						3		
Fluid Mechanics 3			3					3			
Heat Transfer		Manufacture Process	3		3						
Automatic Control Systems (1) Research in Special Topics 2		Fluid Mechanics	3					3			
Systems (1) 3		Heat Transfer	3						3		
Research in Special Topics 2			3					3			
Mechanical and Mechatronic Engineering Experiments (I)			2						2		
Experiments (I) Mechanical and Mechatronic Engineering Experiments (II) General Chemistry 2 2 2											
Experiments (I) Mechanical and Mechatronic Engineering Experiments (II) General Chemistry 2 2 2		Mechatronic Engineering	1						1		
Mechatronic Engineering 1		Experiments (I)									
Experiments (II)		Mechanical and									
General Chemistry 2 2 2		Mechatronic Engineering	1							1	
Common C		Experiments (II)									
Experiments		General Chemistry	2	2							
Experiments		General Chemistry	1	1							
Credits		Experiments	1	1							
Departmental Required Courses and Elective Courses of Main Specialty Subtotal of Departmental Required Courses and Elective Courses of Main Specialty Credits Departmental Elective Courses Minor Specialty Subtotal of Departmental Elective Courses of Minor Specialty Total Credits 12 0 0 0 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3			74	12	13	15	12	12	9	1	0
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Subtotal of Departmental Required Courses and Elective Courses of Main Specialty Credits Departmental Elective Courses Minor Specialty 6		1 3									
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Departmental Elective Courses Minor Specialty 6			12	0	0	0	0	3	3	3	3
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Of Minor Specialty Subtotal of Departmental Elective Courses of Minor Specialty Credits 6 0 0 0 0 0 0 3 3 0 Total Credits 120 19 20 21 16 17 17 7 3 Total of Required Courses Credits 120 Minimum of Elective Credits 12	Departmental										
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of Minor Specialty Credits 6 0 0 0 0 0 3 3 0 Total Credits 120 19 20 21 16 17 17 7 3 Total of Required Courses Credits 120 Minimum of Elective Credits 12	of Minor Specialty										
of Minor Specialty Credits12019202116171773Total of Required Courses CreditsMinimum of Elective Credits120	Subtotal of Depar	tmental Elective Courses	6	0	0	0	0	0	2	2	0
Total of Required Courses Credits 120 Minimum of Elective Credits 12	of Minor	Specialty Credits	Ü	U	U	U	U	U	3	3	U
Minimum of Elective Credits 12	Tot	tal Credits	120	19	20	21	16	17	17	7	3
	_		120								
	Minimum of Elective Credits		12								
Minimum of Undergraduate Credits 132	Minimum of Undergraduate Credits						132				