

National Chiao Tung University Department of Applied Mathematics
 Required Courses for Undergraduates

Applicable to the 95th academic year freshmen thereafter

<i>Year</i>	<i>Subjects</i>	<i>Required Credits</i>	<i>1st semester</i>	<i>2nd semester</i>	<i>Remarks</i>
Freshman	General Physics	8	4	4	Exclusive of Experiments
Freshman	Calculus	8	4	4	
Freshman	Introduction to Computer Science	3	3		
Freshman	Mathematical Thinking	3		3	
Freshman	Linear Algebra	6	3	3	
Sophomore	Advanced Calculus	8	4	4	
Sophomore	Ordinary Differential Equations	3	3		
Sophomore	Probability	3		3	
Sophomore	Discrete Mathematics	3		3	
Junior	Statistics	3	3		
Junior	Numerical Analysis	3	3		
Junior	Algebra	6	3	3	
	Total	57			

Minor Courses

<i>Subjects</i>	<i>Credits</i>	<i>Subjects</i>	<i>Credits</i>	<i>Remarks</i>
Advanced Calculus	8	Linear Algebra	6	Required
Ordinary Differential Equations	3	Algebra	6	At least 12 credits must be accumulated from electives below
Probability	3	Numerical Analysis	3	
Statistics	3	Discrete Mathematics		

<i>Subjects</i>	<i>Credits</i>	<i>Subjects</i>	<i>Credits</i>	<i>Remarks</i>
Complex Analysis	3			