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

Applicable to students from the 2011 academic year

Year	*Subjects*	*Required Credits*	*1st semester*	*2nd semester*	*Remarks*
Freshman	General Physics	8	4	4	Excluding Experiment Sessions
Freshman	Calculus	8	4	4	
Freshman	Introduction to Computer Science	6	3	3	
Freshman	Mathematical Logic and Reasoning	3	3		
Freshman	Introduction to Practice of Computational Mathematics Software	1		1	
Freshman	Linear Algebra	6	3	3	
Sophomore	Advanced Calculus	8	4	4	
Sophomore	Algebra(I)	3	3		
Sophomore	Algebra(Ⅱ)	3		3	Algebra (Ⅱ) and Introduction to Partial Differential Equations,
Sophomore	Introduction to Partial Differential Equations	3		3	The studnet is expected to complete one of two courses.
Sophomore	Ordinary Differential Equations(I)	3	3		
Sophomore	Probability	3		3	
Junior	Discrete Mathematics	3	3		
Junior	Statistics	3	3		
Junior	Numerical Analysis(I)	3	3		
Junior	Complex Analysis	3		3	

Year	Subjects	Required Credits	1st semester	2nd semester	Remarks
	Total	64			