

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

Applicable to students from the 2014 academic year

| Year | Subjects | 1 st semester | 2 nd semester | Required Credits | Remarks |
|--|---|-----------------------------|-----------------------------|---------------------|---------|
| Freshman | Physics | 4 | 4 | 8 | |
| | Calculus | 4 | 4 | 8 | |
| | Int. to Computer Science | 3 | 3 | 6 | |
| | Linear Algebra | 3 | 3 | 6 | |
| Sophomore, Junior (Adaptive guidance course) | Vector Calculus | 3 | | 3 | |
| | Differential Equations | 3 | | 3 | |
| | Int. to Partial Differential Equations | | 3 | 3 | |
| | Practice of Mathematical Software | 3 | | 3 | |
| | Computational Mathematics | | 3 | 3 | |
| | Probability | | 3 | 3 | |
| | Statistics | 3 | | 3 | |
| | Discrete Mathematics | 3 | | 3 | |
| Sophomore, Junior | Introduction to Analysis | 4 | 4 | 8 | |
| | Algebra(I) | | 3 | 3 | |
| Junior | Complex Analysis | | 3 | 3 | |
| Total required credits: 66 points. The minimum of credits needed to graduate with a bachelor's degree of DAM is 128 | | | | | |