National Chiao Tung University Department of Applied Mathematics

Regulations of "Field Completion Certificate"
for Undergraduate Students

A Student who has taken at least 6 credits in one field, and who has passed (in the same field) two courses with an average score of at least 70, can submit an application for a "Field Completion Certificate" to the Department office. The certificate will be granted to the student, after the Department course committee inspects and approves the student's application. A student may apply for certificates for more than one field. In order to apply for the certificate with respect to each field, please submit the application form and your transcript to the Department within the first month of each semester. A student may use this certificate as a reference document in perusing higher academic degrees or in seeking positions in the job market.

Fields	Accredited Courses
Mathematical Modeling and Scientific Computing	Applied Mathematics Method[G], Introduction to Scientific Computing[G], Partial Differential Equations[G]
Financial Engineering and Probability	Advanced Statistics, Stochastic Processes, Advanced Probability[G], Real Analysis[G]
Differential Equations and Dynamical Systems	Introduction to Partial Differential Equations, Introduction to Dynamical System, Ordinary Differential Equations[G]
Discrete Mathematics and Optimizations	Basic Graph Theory, Coding Theory[G], Graph Theory[G], Mathematical Foundations of Cryptography[G]
Number Theory, Geometry and Analysis	General Topology, Geometry, Introduction to Analysis, Elementary Number Theory[G]

*Courses marked with "[G]" are graduate- level courses.