

# Guidelines for Students Enrolling in the Non-Degree Conferring Program in Disaster Prevention Engineering

Approved by a meeting of the Engineering College Curriculum Committee on March 5, 2002

Amended and approved by a meeting of the Engineering College Curriculum Committee on May 6, 2008

Approved by a meeting of the National Central University Curriculum Committee on March 8, 2002

Amended by a meeting of the National Central University Curriculum Committee on May 29, 2008

Approved by a meeting of the Academic Affairs Committee on March 12, 2002

Amended and approved by a meeting of the Academic Affairs Committee on June 11, 2008

Amended and approved by a meeting of the Engineering College Curriculum Committee on September 27, 2004

Amended and approved by a meeting of the National Central University Curriculum Committee on October 7, 2004

Amended and approved by a meeting of the Academic Affairs Committee on October 14, 2004

Amended and approved by a meeting of the Engineering College Curriculum Committee on May 8, 2007

Amended and approved by a meeting of the National Central University Curriculum Committee on May 31, 2007

Amended and approved by a meeting of the Academic Affairs Committee on June 13, 2007

1. The aim of this program is to provide students with an integrated understanding of how the respective theories and practices of mechanical engineering and civil engineering can be applied to disaster prevention so as to enable the student to acquire the expertise needed to engage in sustainable disaster prevention projects and to inculcate a lifelong learning ethic.
2. Students studying in any college or department in the University may apply for entry into this program.
3. University students will be regarded as having completed this program after earning 20 or more course credit hours from the program curriculum and nine or more credit hours from other departments or institutes. They shall have the name of the program as well as the number of credit hours earned clearly indicated on their transcript and shall also be awarded a certificate of completion.
4. This program's courses are divided into required and elective subjects as follows:

## (1) Required Subjects

Course Titles	Credit Hours	Course Codes
Applied Mechanics or Static Force and Mechanics of Materials	4	CI1008/ME1006
Civil Engineering Materials or Materials Science	3	CI2005/ME2051
Principles of Sensing	3	ME3056
Sensing Experiments or Measurement Experiments	1	ME3036/ME3096

Special Topic on Disaster Prevention I	1	CI3059
Special Topic on Disaster Prevention II	2	CI3060

## (2) Elective Subjects

Course Titles	Credit Hours	Course Codes
Principle of Corrosion and Corrosion Prevention Engineering in Structure	3	CI7093
Introduction to Image Engineering	3	OM6010
Environmental Remote Sensing	3	CI4052
Electromechanical Interfacing and Laboratory	4	OM6021
Reliability Engineering	3	ME6093
Systems Engineering	3	ME5068
Introduction to Disaster Prevention in Civil Engineering	2	CI4064
Industrial Safety and Health	2	CI4023
Introduction to Management	3	CI2022
Engineering Calculations and Analysis and Software Application	3	CI7057
Electric Circuits and Electronics	3	ME2065
Experiments of Electrical Circuits and Electronics	1	ME2066
Corrosion and Corrosion-Control Engineering	3	ME7049
Advanced Mechanics of Materials	3	CI6022
Computer Applications in Construction Management	3	CN5002
Probability and Fuzzy Mathematics	3	CI6070
Mathematical Programming	3	CI7021

5. Whether courses with similar titles and content taken from other University programs can be accepted in lieu of courses offered by this program shall be left to the discretion of the Engineering College.
6. These guidelines shall be implemented and entered into force upon approval by a meeting of the Academic Affairs Committee. The same procedure applies to any amendment of these guidelines.