Department of Computer Science and Information Engineering

Introduction

Most of the universities have computer science and information engineering related department, but most of the schools' developments are in the basic theory. Our department not only laid stress on the theory of information technology but also the academic cooperation with other departments.

We would like to educate our students to be computer scientists with solid background of knowledge and hands-on experience.Our graduates are prepared for professions in the information technology sector, government information departments, or doctoral studies in IT-related fields.

Course Design

In line with the need for national construction and industrial development, this department aims at training middle and advanced IT professionals. We emphasize the implementation ability as well as we focus on the investigation of theories, hoping to cultivate IT professionals with profound knowledge basis and the capability of applying the knowledge to real situations.

The required professional courses cover the areas of fundamental theories, computer hardware, operating systems, data structures, computer network, and so forth. The graduation projects help students integrate what have been learned from the courses. We classify courses into three areas with a view to the preparation for future careers:

1. software engineering and knowledge engineering
2. interactive multimedia
3. network and information security

Faculty

We have eight professors, four associate professors, and four assistant professors in our department. These faculty members are from famous international and national universities. Their research interests cover most of areas in computer science and electrical engineering.

Facility

Currently, CSIE has fifteen research laboratories. Each laboratory has personal computers, laser printers, scanners, and related equipment.

Moreover, CSIE has three teaching laboratories, APP Lab, Computer Lab, and Digital Logic Lab. APP Lab includes Android and iOS related devices. Computer Lab includes 50 personal computers, one laser printer, and teaching equipment. Digital Logic Lab has equipment for experiments and lab courses, including 26 sets of microprocessors. Related equipment is still increasing.

Goal and Mission

The goal of our department is bringing up IT professionals who have theory, practice, humanistic, community care, innovative and enterprising spirit and application integration capabilities. In addition, we pay attention to software engineering and knowledge engineering, interactive multimedia and network and information security, and other CS-related research teams.

We look forward to coordinating with industry development trends, developing computer systems, audio and video digital content, computer game animation, information security, computer network, artificial intelligence and machine learning, and software engineering courses. Students not only learn professional technology knowledge, but also engage in software development, system design and information education and other related works.

More Information

Department welcome s all the students and junior lecture s who are interested in pursuing the higher degrees to join the M.S. or Ph.D. program. Department home page: http://www.ncyu.edu.tw/csie_eng. Application home page: https://admissions.ncyu.edu.tw/fsc/indexfsc.aspx

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