

Programs Offered by National Taiwan University

Departments	Bachelor's	Master's	Doctoral
College of Liberal Arts			
Chinese Literature	•	•	•
Foreign Languages and Literature	•	•	•
History	•	•	•
Philosophy	•	•	•
Anthropology	•	•	•
Library Science	•	•	•
College of Science			
Mathematics	•	•	•
Physics	•	•	•
Chemistry	•	•	•
Geology	•	•	•
Zoology	•	•	•
Botany	•	•	•
Psychology	•	•	•
Geography	•	•	•
Atmospheric Sciences	•	•	•
Oceanography	•	•	•
Biochemical Sciences	•	•	•
Fisheries Science	•	•	•
College of Law			
Law	•	•	•
Political Science	•	•	•
Economics	•	•	•
Sociology	•	•	•
San Min Chu I	•	•	•
College of Medicine			
Medicine	•	•	•
Public Health	•	•	•
Pharmaceutical Science	•	•	•
Nursing	•	•	•
Medical Technology	•	•	•
Dentistry	•	•	•
Rehabilitation Medicine	•	•	•
Anatomy	•	•	•
Biochemistry	•	•	•
Physiology	•	•	•
Pharmacology	•	•	•
Pathology	•	•	•
Microbiology	•	•	•
Clinical Medicine	•	•	•
College of Engineering			
Civil Engineering	•	•	•
Mechanical Engineering	•	•	•
Electrical Engineering	•	•	•
Chemical Engineering	•	•	•
Naval Architecture	•	•	•
Computer Science & Information Engineering	•	•	•
Environmental Engineering	•	•	•
Material Engineering	•	•	•
Applied Mechanics	•	•	•
College of Agriculture			
Agronomy	•	•	•
Agricultural Engineering	•	•	•
Agricultural Chemistry	•	•	•
Plant Pathology and Entomology	•	•	•
Forestry	•	•	•
Animal Husbandry	•	•	•
Veterinary Medicine	•	•	•
Agricultural Economics	•	•	•
Horticulture	•	•	•
Agricultural Extension	•	•	•
Agricultural Machinery Engineering	•	•	•
Food Science & Technology	•	•	•
College of Management			
Business Administration	•	•	•
Finance	•	•	•
Accounting	•	•	•
International Trade	•	•	•

National Tsing Hua University. In 1956, the university was relocated in Hsinchu, Taiwan, as a single graduate institute with twenty students. Today, the university has four colleges, comprised of twelve undergraduate departments and seventeen graduate institutes with 3,585 students enrolled in 1986.

The university, which specializes in the study of basic and applied sciences, is now directing its academic emphasis toward two primary tasks: the promotion of interdisciplinary programs, among

which the development of life science will be a main focus, and the realization of an equal emphasis on sciences and humanities in research and instruction.

National Tsing Hua University places strong emphasis on interdepartmental liaison and cooperation in teaching and research. Undergraduate curricula are designed in accordance with the principles of quality, flexibility, and consistency. A liberal education and career training are both emphasized. On the graduate level, interdisciplinary programs are encouraged, and more graduate institutes in humanities and social sciences are to be set up in the next few years. Research centers for optoelectronics, nuclear science and technology, materials science, computers, bioengineering, and a central laboratory have been set up on campus with a view to promoting long-term interdisciplinary programs as well as raising the quality of research work. The university also has a Scientific Instruments Center to provide support services to teaching and research. In a joint project with the governmental Chung Shan Institute of Science and Technology, NTHU provides personnel and facilities to the Tzu Chiang Research Institute, which unifies the efforts of academic institutions to develop science and technology of national defense interest. Research is at the heart of NTHU, and the university's steadfast commitment to academic excellence is manifested by the fact that its faculty members publish an average of two papers each year, one

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Departments	Bachelor's	Master's	Doctoral
College of Science			
Mathematics	•	•	•
Applied Mathematics	•	•	•
Physics	•	•	•
Chemistry	•	•	•
Life Science	•	•	•
Computer & Decision Sciences	•	•	•
College of Engineering			
Materials Science and Engineering	•	•	•
Chemical Engineering	•	•	•
Power Mechanical Engineering	•	•	•
Industrial Engineering	•	•	•
Electrical Engineering	•	•	•
College of Nuclear Science			
Nuclear Science	•	•	•
Nuclear Engineering	•	•	•
Radiation Biology	•	•	•
College of Humanities & Social Sciences			
Chinese Literature & Linguistics	•	•	•
Foreign Languages	•	•	•
Economics	•	•	•
History	•	•	•
Linguistics	•	•	•
Sociology & Anthropology	•	•	•



Department of Control Engineering, National Chiao Tung University.

of which is published in an international journal, as well as by the fact that the annual ratio of the budget for cooperative research projects to the university's overall budget is a remarkable 1:3.

National Chiao Tung University

National Chiao Tung University was founded in Shanghai in 1896 to specialize in railway, electrical, and mechanical engineering, and administrative education. The reestablishment of the university in Hsinchu, Taiwan, began with an institute of electronics, which was inaugurated in 1958. Following that, two undergraduate departments of electrophysics and electronics engineering started in 1964. At present, it has three colleges with twelve departments and twelve graduate institutes. The university's enrollment in the 1986 academic year was 3,844.

Research activities are conducted with emphasis

on applied technology in the fields of electronics, computer engineering, management science, electro-optical engineering, and so forth.

The current research activities in electronics include computer-aided designs for VLSI system; computer-aided design for VLSI devices and circuits; process simulation models for VLSI; electronic material technologies for VLSI; new devices and integrated circuits; semiconductor device physics and measurements; solid-state physics and materials; sensors and transducers, and their interface circuits; network theory and system simulation techniques; industrial control and system design techniques; and so forth.

Research work in computer engineering covers design of Chinese typesetting systems; pictorial information systems; pattern recognition and image processing applications; computer-aided design of digital systems and very-large-scale integrated circuits; multiprocessor systems and their operating systems; distributed database systems; algorithm