

National Taipei University of Technology



國立
臺北
科技
大學



Message from the President



Dr. Tsu-Tian Lee
President of NTUT

National Taipei University of Technology (NTUT) was founded in 1912, the year when the Republic of China came into existence, as a pioneering academic institute dedicated to industrial education. It has been renamed since then Taiwan Public Industrial School of Taipei (1919), National Taipei Institute of Technology (1981), and National Taipei University of Technology (1997). Since 1912, over 90,000 students have graduated from the University. At home and abroad, they have demonstrated outstanding achievements in professional fields as well as academic arenas. They are not only the University's but also the nation's assets because of the crucial contributions they have made to Taiwan's technological and economic development.

On February 1, 2004, I was greatly honored to become NTUT's twelfth President. Upon my assumption of this position, I have been compelled by a deep sense of responsibility to lead and develop the University into an internationally renowned and technologically innovative flagship of higher academic institution. Given our nearly a century of glorious achievements, with the joint efforts of our faculty, staff, students and alumni, I believe that it will not be long before we achieve the sublime goal we have set for the University, which is developing and expanding in full swing to become a first-class institution for learning and research.

NTUT is a university with honored traditions and widespread acclaim. I welcome your advice, which will surely facilitate our achievement of the aforementioned goals. With your support, I believe, our students, faculty and staff will be better equipped to bear the brunt of any challenges that might accompany our pursuit of an even more glorious future.

Colleges and Academic Units

COLLEGE OF MECHANICAL AND ELECTRICAL ENGINEERING

<http://www.cc.ntut.edu.tw/~wwwem/english>

Graduate Institute of Mechanical and Electrical Engineering, Graduate Institute of Mechatronic Engineering, Graduate Institute of Manufacturing Technology, Graduate Institute of Automation Technology, Department of Mechanical Engineering, Department of Vehicle Engineering, Department of Air-conditioning and Refrigeration Engineering

COLLEGE OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

<http://www.cc.ntut.edu.tw/~wwwsecs/english>

Graduate Institute of Computer and Communication Engineering, Graduate Institute and Department of Electrical Engineering, Graduate Institute and Department of Electronic Engineering, Graduate Institute and Department of Electro-Optical Engineering, Graduate Institute and Department of Computer Science and Information Engineering

COLLEGE OF ENGINEERING

<http://www.cc.ntut.edu.tw/~coeng/english>

Graduate Institute of Engineering Technology, Graduate Institute of Civil and Disaster Prevention Engineering, Graduate Institute of Organic and Polymeric Materials, Graduate Institute of Environmental Engineering and Management, Graduate Institute of Biotechnology, Graduate Institute of Chemical Engineering, Graduate Institute of Material Science and Engineering, Graduate Institute of Mineral Resources Engineering, Department of Chemical Engineering and Biotechnology, Department of Materials and Mineral Resources Engineering, Department of Civil Engineering, Department of Molecular Science and Engineering

COLLEGE OF MANAGEMENT

<http://www.cc.cmgt.ntut.edu.tw/~wwwcom/english>

Graduate Institute of Industrial and Business Management, Graduate Institute of Commerce Automation and Management, Graduate Institute and Department of Industrial Engineering and Management, Department of Business Management

COLLEGE OF DESIGN

<http://www.cc.ntut.edu.tw/~wwwdc/english>

Graduate Institute of Design, Graduate Institute of Architecture and Urban Design, Graduate Institute of Innovation and Design, Department of Industrial Design, Department of Architecture

COLLEGE OF HUMANITIES AND SCIENCES

<http://www.cc.ntut.edu.tw/~wwwhs/english>

Graduate Institute of Technological and Vocational Education, Department of Applied English



Programs and Admission Requirements

- I. Doctoral programs: Applicants for admission to the doctoral programs must hold a master's degree or equivalent from an accredited university or college. Applicants must also pass an entrance examination.
- II. Master's programs: Applicants must hold the baccalaureate degree or its equivalent from an accredited university or college. Applicants are also required to pass an entrance examination.
- III. Two-year bachelor's programs: Applicants must be a graduate of relevant departments from junior college or its equivalent from an accredited university or college. Applicants must also pass an entrance examination.
- IV. Four-year bachelor's programs: Applicants must be a graduate of an accredited vocational senior high school, or high school with academic training in relevant fields of study. Applicants are also required to pass an entrance examination or a screening test to enter the programs.
- V. Two-year continuing education college bachelor's programs: Applicants must be a graduate of relevant departments of the junior college. They are also required to pass an entrance examination.
- VI. On-the-job continuing education master's programs: Applicants must hold the baccalaureate degree and certification of some years of work experience in relevant fields. Applicants are also required to pass an entrance examination.

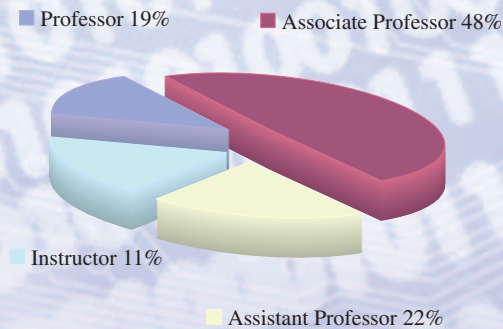
Degree Requirements

Doctoral program	The requirements for the Ph.D. degree are completion of 22 to 31 credits, and satisfactory completion of a dissertation, equivalent to 12 credits.
Master's program	The number of credits required for the master's degree is 24 to 34, and completion of a research thesis, equivalent to 6 credits.
Two-year program	The total number of 73 credits is required, including required general courses for a minimum of 11 credits, and required credits for specialized courses for a minimum of 62 credits.
Four-year program	The total number of 133 to 143 credits is required according to different departments. The credits including required general courses for a minimum of 28 to 31 credits and specialized courses for the credits set by each department.
On-the-job continuing education master's program	The total number of required credits is 24 to 36, and completion of a master's thesis, equivalent to 6 credits; or completion of a technical report, equivalent to 3 credits.



Faculty

The total number of full-time faculty members is 403 (including 76 professors, 192 associate professors, 89 assistant professors and 46 instructors). Members at or above the level of assistant professor are account for 89% of the faculty. 90% of those above the level of assistant professor hold the doctoral degree. Every teacher in NTUT possesses a well-rounded educational background and has experience in both teaching and research.



Student Services

Student Counseling Center – Students have easy access to the Student Counseling Center, which offers services such as individual and group counseling, psychological tests, and special topic speech; solutions of problems from life, study and emotion.

Accommodation – The University owns two student dormitories located on Chien-Kuo S. Rd. in the neighborhood of the campus, providing 1572 beds in total. Each bedroom is equipped with the internet service and air-conditioner. In addition, the student cafeteria offers various food, tidy setting and complete equipments for students.

Health Center – All the students, faculty and staff members on campus are offered such services as health consultation and emergency care from the Health Center. In addition, a huge variety of activities, including Health Education Programs, Hepatitis A/B Preventive Programs and Dining-related Sanitation Programs are held on a regular basis to upgrade the health quality for everyone on campus.

Scholarships – There are various kinds of scholarships available to students who need financial aids. Students have the opportunity to obtain a scholarship, ranging from NT\$5,000 to NT\$60,000. In addition, there are financial loans and part-time jobs which may help students complete their studies at NTUT.

The Organization of Student Affairs- Including the Office of Student Affair and Student Council to assists students in holding activities, through which they are encouraged to learn to become healthy, elegant, well-rounded and respectable individuals who cherish honesty, cleanliness, politeness, order, and safety. Periodically, we hold formal meetings consisting of each class leader and club leader to acquire their suggestions and recommendations. The student clubs, consisting of six groups, have been winning numerous prizes and honor through national competitions each year.



Continuing Education and Extension Programs

Two different on-the-job continuing education programs (one with the school hours at night during the weekday, the other with school hours over the weekend) were founded in 1995 and 1998 respectively. They were intended as the third “educational highway”, as the Ministry of Education puts it, to help career men and women to improve and strengthen their knowledge and skills required by their jobs. Both confer master’s degree and bachelor’s degree or issues credit completion certificates to the students studying in this program.

The extension programs (including 2-years bachelor’s program, master’s program and special programs) are designed to meet the needs of people working in the Taipei Metropolitan area. Popular and reputable, the programs admit graduates of at least junior college with some working experiences.

To provide opportunities of advanced continuing education, the University will offer multiple graduate programs and provide a good and thorough consulting service.

The courses offered by the Extension Program tend to be more practical and interdisciplinary. Currently, the Program has offered diverse credit and non-credit courses, training courses, which are entrusted by public and private enterprises, and on-the-job training courses, which are entrusted by various levels of government.



Research and Development

The research and development of the University focuses on theory as much as on practice. The University faculty members are scholars and researchers who combine academic background with professional experiences. Since the school has been upgraded from a junior college all the way to a technological university, its faculty members have been deeply involved in research and development. The number of their engagement in the research projects sponsored by the National Science Council, various government sectors, and public as well as private enterprises have increased rapidly in the last few years. Research has become a major component of life within the University. The conduct of research is essential to educate both graduate and undergraduate students with up-to-date science and technology, and to keep the faculty at the cutting edge of their fields. Research activities in the University are significant and growing rapidly. Research expenditures in the University were in excess of NT\$400 million in 2006 and increase at the rate of about 15 percent annually. Many of these research projects are carried out under the direction of an individual faculty member, but now they are conducted in an interdisciplinary fashion.

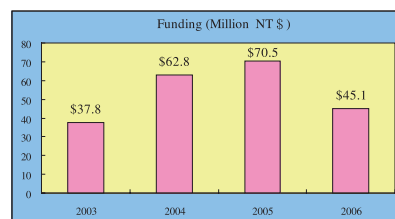
As entitled “technological university,” the University with the upgrade academic status has to emphasize on the R&D works. This is in line with our vision to become a global knowledge university. In order to boost the research activities, the University has also taken some steps to accelerate its outcomes. The Sunshine-Fund foundation in the university supports papers publication, international conferences and outstanding research works.

Recently, research papers are increasing and published in the journals of Science Citation Index (SCI) and Social Science Citation Index (SSCI). Besides, the research results have been widely applied in the industries.

2003-2006 Research Grants Funded by National Science Council



2003-2006 Research Grants Funded by Ministry of Education



Cooperation between Industry and University

The University has established cooperative relationships with many public and private enterprises. By the end of year 2006, 278 projects had been generated between the University and enterprises, and the research fund had amounted to more than NT\$165,000,000. Summer tours for the faculty members to those enterprises are regularly scheduled to strengthen mutual understanding and enhance their practical experiences.

With the sound instruments and equipments, the University also provides various kinds of technical services and materials testing to the enterprises. The technical services offered by the University include conducting research projects, holding seminars, offering training courses and the services demanded by the Ministry of Education. The University's faculty members are often invited by the enterprises to make speeches and entrusted by the Ministry of Economics to evaluate the qualification of monopoly rights claimed by the enterprises as well. In addition, they accept the request of the enterprises to conduct special case studies, provide professional advice, and develop evaluation systems.

College	Number of project	Amount of grant (Thousand NT\$)	Number of faculty	Number of project per faculty	Amount of grant per faculty (Thousand NT\$)
Mechanical & Electrical Engineering	118	42830	74	1.59	579
Electrical Engineering and Computer Science	33	19280	96	0.34	201
Engineering	94	76590	102	0.92	751
Management	8	3920	31	0.26	126
Design	22	21450	29	0.76	740
Humanities & Sciences	3	3470	69	0.04	36

Number of Projects in 2006

Job Placement Services

The job placement services office provides job search and career assistance to students and graduates of National Taipei University of Technology. The office helps students and graduates to obtain positions in line with their specific interests and needs. Among the services offered by the office are:

- I. Job search website: The website offers job listings from the enterprises, and current labor market information.
- II. On-campus recruitment: The office hosts a group of employers with job opportunities.
- III. Job fairs: The office hosts job fairs in the spring annually.
- IV. Career counseling and job search assistance: With the help of enthusiastic faculty members, we offer our students individualized assistance in career development.
- V. Internships: Internships give students an overview of occupational fields while providing opportunities to students to develop employment knowledge and skills. The office works collaboratively with allied companies and enterprises to offer students a set of activities, which are considered helpful for the student's future employment opportunities. As a university with distinguished history, many alumni have possessed crucial positions in industry. They provide excellent contacts for placing new graduates into available positions. This leads to the result of a survey of one thousand enterprises conducted by the Common Wealth Magazine, which indicates that graduates of NTUT are enterprises' favorites when they recruit new employees.



Innovation and Incubation Center

NTUT Innovation and Incubation Center was established on July 1, 1999. The main objective of the Center is to coordinate the University's resources, such as professors, laboratories, facilities and space, to assist small and medium enterprises with various technologies, management, industrial analysis, marketing and financial consulting services.

The Center provides a nurturing environment, hands-on assistance and a variety of services for start-up companies and entrepreneurs during their first years of development.

The scope of technologies that we concern includes techniques or products of information electronics, and techniques or products of mechanical engineering, electrical engineering and automation technology.



For the past 7 years, the Center has incubated 65 companies, and 40 of them have accomplished their preliminary goals and left. By the end of 2006, the number of incubated enterprises will be 25 in total. The supported projects by the government funds include 51 NSC, 15 SBIR (Small Business Innovation Research), CITD (Conventional Industrial Technology Development), EPA & DOH grant research works in past 4 years. Ten incubated companies won International Invention Awards and obtained 75 patents. The total amount of the investigated funds for the incubated enterprises is accumulated to NT\$1887 millions at the end of year 2006.

International Cooperation and Scholarly Exchange

To promote international cooperation and scholarly exchange, the University has engaged itself in establishing sisterhood and cooperation with over 60 internationally renowned universities in U.S.A., United Kingdom, Australia, Canada, Japan, Korea, Germany, New Zealand, Czech Republic, Ukraine, Hong Kong, Kingdom of Swaziland, the Gambia, China, etc.

Since 1997, the University has endeavored to establish a cooperative relationship with the academic institutes of non-English speaking countries. Carl Duisberg Gesellschaft, a famous German professional job training institute, has signed a contract with NTUT, and a regular annual scholarly exchange and cooperation program has been initiated to discuss issues in vocational education and part-time training held by the government and the enterprises. The University regularly holds Sino-America and Sino-Japan educational forums to compare notes on various kinds of issues. Besides, it has held international conferences such as IEEE and many cross-strait academic workshops to enhance scholarly and cultural exchange and improve NTUT's academic reputation.



Taipei Campus Map



- 1 Administration Building
- 2 Library
- 3 First Teaching Building
- 4 Second Teaching Building
- 5 Third Teaching Building
- 6 Fourth Teaching Building
- 7 Fifth Teaching Building
- 8 General Studies Building
- 9 Design Building
- 10 Material Resources Building
- 11 Civil Engineering Building
- 12 Chemical Engineering Building
- 13 Textile Engineering Building
- 14 Chiang Kai-shek Gymnasium and Memorial Hall
- 15 Complex Building
- 16 Chemistry Building
- 17 Student Activities Center
- 18 Science and Technology Research Building (Under Construction)
- 19 Student Dormitory
- 20 Tennis Court
- 21 Baseball Court
- 22 Volleyball Court
- 23 Track and Field Ground
- 24 Innovation and Incubation Building
- 25 Cooperative Education Building
- 26 Kuang-Hua Building



National Taipei University of Technology

1, Sec. 3, Chung-hsiao E. Rd. Taipei 106 Taiwan, Republic of China

Tel: 886-2-2771-2171

Fax: 886-2-2751-8845

Website: <http://www.ntut.edu.tw/english/>