Introduction to National Taiwan University

Office of International Affairs
Taihoku Imperial University
1928
National Taiwan University
1945

6 colleges

LIBERAL ARTS
AGRICULTURE
LAW
SCIENCE
MEDICINE
ENGINEERING
National Taiwan University
Today

11 colleges
2 professional schools
54 departments
103 graduate institutes
66 research centers

student number: 33,000
Academic Programs

11 Colleges
- Liberal Arts
- Science
- Medicine
- Law
- Bioresources & Agriculture
- Engineering
- Electrical Engineering and Computer Science
- Management
- Public Health
- Social Sciences
- Life Science

2 Professional Schools
- School of Veterinary Medicine
- School of Dentistry
National Taiwan University • Islandwide Campuses
Taipei campuses
University Hospital
Jinshan Branch Hosp.
180 ha (450 ac)

National Taiwan University • Islandwide Campuses
Chupei Branch Campus
Branch Hospital
Biotechnology & Extension

25 ha (60 ac)
Yunlin Branch Hospital

5 ha (12 ac)
Experimental Forests
(School of Forestry and Resource Conservation)
Highland Farm
(Department of Horticulture)
34,400 ha (85,000 ac)
Total NTU land size
35,000 ha (86,000 ac)
= 1% of Taiwan
(3,500,000 hectares)
Student Enrollment
1981-2012

33,000 students in 2012-2013
graduate/undergraduate ratio = 1:1

33,000 students in 2012-2013

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Faculty

BREAKDOWN OF FULL-TIME FACULTY

- 70% ALMA MATER ABROAD
- 30% ALMA MATER IN TAIWAN

FULL-TIME = 1,983
PART-TIME = 1,818
NTU Alumni - Academia

Dr. Yuan-Tseh Lee
Former President of Academia Sinica

Nobel Prize in Chemistry - 1986
NTU Alumni - Academia

Dr. Chang-Lin Tien
Former Chancellor of UC Berkeley
1990-1997

Dr. Henry Yang
Chancellor of UC Santa Barbara
Since 1994

More than 40 university presidents
NTU Alumni - Academia

ACADEMICIANS

Academia Sinica, Taiwan
30+ in Humanities and Social Sciences
45+ in Mathematics and Physical Sciences
50+ in Life Sciences

National Academy of Sciences, USA
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Intel-NTU Center (M2M) with College of Electrical Engineering and Computer Science

Only university outside the USA

NSC: iRiCE (International Research-Intensive Center of Excellence)
MD Anderson Cancer Center

NSC: iRiCE
(International Research-Intensive Center of Excellence)
NTU Cancer Center
Terry Gou
USD 500 million
Intelligent robotics lab with France
(CNRS, UPMC, and INRIA)

NSC: iRiCE
(International Research-Intensive Center of Excellence)
Intelligent robotics lab with France (CNRS, UPMC, and INRIA)

NSC: iRiCE (International Research-Intensive Center of Excellence)
California NanoSystems Institute

International Cutting-edge Research Centers
European Union Centre in Taiwan

32 centers worldwide

International Cutting-edge Research Centers
Asia-Pacific Economic Cooperation Research Center for Typhoon and Society

International Cutting-edge Research Centers
King Abdullah University of Science and Technology
KAUST
Solar and Alternative Energy Research Center

KAUST elected 7 universities out of 60, incl. Cornell, Oxford

NTU is the only Asian university elected

NTU NEW ENERGY CENTER

International Cutting-edge Research Centers
Weather Climate and Disaster

Earthquake Engineering

Nano-Electro-Mechanical-Systems

Digital Archives Resource Center
- 1.9 million digital annotations
- 8.6 million images
- 208 million words of original texts including Ming and Qing documents

Humanities & Social Science

National-Level Research Centers
NTU’s current research

Wideband MRI
(Magnetic Resonance Imaging)

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Acceleration depends on geometry of subject (organ, part...)
NTU’s current research

System on a Chip (SoC)
NTU’s current research

$^{18}$F-FDOPA PET Scan in Neuroblastoma

- Sensitive
- Specific
- Functional
- Intl awards
- Multidisciplinary
- Team work
NTU’s current research

Renewable and sustainable energy (Kuroshio)
NTU’s current research

“A RA” (Askaryan Radio Array) Cosmology and Particle Astrophysics Observatory, Antarctica
CMS experience at the LHC (The Large Hadron Collider), CERN to search for the Higgs boson.

July 4, 2012, a Higgs-like particle was discovered.
NTU’s current research

- Syntheses, characterizations and applications of molecular metal wires & functional nanomaterials
- Microbial genomics core
- Impact of climate change on Taiwan’s overall security
- Digital Archives Resource Center
- East Asian Confucianisms
Partnering with the industry
121 overall worldwide
9 Asia
1 Chinese World

ENGINEERING, TECHNOLOGY and COMPUTER SCIENCE

26 Worldwide
2 Asia-Pacific

2012 Shanghai Jiao Tong University Global University Rankings
Times Reputation Ranking of Worldwide Universities 2013

51-60 overall

QS World University Rankings 2012

80 overall

45 Arts & Humanities
42 Natural Sciences
37 Engineering and Technology
54 Social Sciences and Management
38 Life Sciences and Medicine
International NTU

- **Partner Institutions**: 433
- **International Faculty**: 144 (7%)  |
- **International Students**: 3,395  |
- **Study Abroad Students**: 996
- **Dual Degree Programs**: 41
- **Student Exchange Programs**: 312
- **English Taught Courses**: 800
- **Partner Institutions**: 56
NTU Advantages
Elite Chinese Language Programs

Programs

✓ “General”
✓ “Enhancing”
✓ “Pre-College”
✓ “Selected”
✓ “Tutorial”
Elite Chinese Language Programs

Advantages

✓ Rich traditions
✓ Both Traditional and Simplified
✓ Speaking-oriented
Center for International Education

- Develop Chinese *language and culture* curriculum for International Students
- Expand courses taught in English across all departments
- Create customized joint programs with foreign partners
- Develop *Summer*+
Summer+
Summer+
Summer+
Looking Ahead

Joining forces

- Create more incentives for joint programs
- Encourage faculty contacts and exchanges
- Promote 2-way summer programs
- Explore joint or dual degree programs
THANK YOU

National Taiwan University