成功大學
National Cheng Kung University
1931
Found in 1931 as Tainan Technical College

1946
Taiwan Provincial Tainan Junior College of Technology

1956
Taiwan Provincial Cheng Kung University

1971
National Cheng Kung University

2001
70 Anniversary Pursuit of Academic Excellence

2006
Aim for the Top University

2011
80 Anniversary Taiwan Top University

2021
90 Anniversary International University of Excellence

2031
100 Anniversary World Top-Tier University
Intermediate Goals

- **Teaching and Cross-disciplinary Integration**
  To build cross-disciplinary learning platform to achieve academic excellence

- **Students’ Personality Development**
  To cultivate leaders and talents with both humanistic concerns and professionalism

- **Excellent Campus Environment**
  To build an excellent and friendly learning environment on campus

- **Administration and Organization**
  To enhance the quality of service and create surplus value on the part of the administration team

- **Academic Research**
  To strengthen technological research capability to enrich the content of teaching

- **Industry-academia Collaboration and Services**
  To implement performance evaluation of industry-academia collaboration that combines both learning and application

- **Internationalization**
  To develop international vision and cross-border dynamism

- **Alumni Involvement**
  To establish connection with alumni and involve their resources in the development of the university

- **Campus Cultural Asset**
  To recreate the value of the school’s cultural asset and promote local culture

- **Financial Management**
  To develop financial autonomy and strengthen financial accountability

- **Regional Resource Integration**
  To expand regional integration to promote resource sharing
National Cheng Kung University (NCKU) was established during Japanese occupation in January 1931 as “Tainan Technical College” with only one campus, Cheng Kung campus, covering an area of 18.3 hectares. After the end of the Japanese occupation, the central government of the Republic of China took over the college in October 1945, and changed its name to “Taiwan Provincial Tainan Junior College of Technology” in February 1946. In October of the same year, its status was upgraded and renamed as “Taiwan Provincial College of Engineering”. In August 1956, it was restructured and renamed as “Provincial Cheng Kung University”. In 1971, it was finally upgraded to the status of national university and was named in full as “National Cheng Kung University”, with four colleges including College of Engineering, College of Science, College of Liberal Arts and College of Management at that time. NCKU founded its own College of Medicine in 1983, and continued to establish new colleges, including College of Social Sciences in 1997, College of Electrical Engineering and Computer Science and College of Planning and Design in 2003, as well as College of Bioscience and Biotechnology in 2005.

Evolving up to the year 2012, the organization of the university can be divided into the three systems of teaching and researching, research centers and administrative support, along with other subordinate divisions. The NCKU teaching and researching system has 9 colleges (College of Liberal Arts, College of Sciences, College of Electrical Engineering and Computer Science, College of Planning and Design, College of Management, College of Medicine, College of Social Sciences and College of Bioscience and Biotechnology), 43 undergraduate programs, 75 master degree programs, 54 doctoral programs and 18 master’s degree for working professionals.
Guidelines for Strategic Planning

• **Complete Unification of the Campuses**
  Covering a total land area of 185 hectares, all the students, teaching staff and administration units in NCKU will be gathered in one single area with a total land area of 83 hectares in order to promote comprehensive education, enhance the quality of teaching and promote cross-disciplinary research.

• **Student Quality Control**
  To achieve the most optimal use of teaching space and financial resources, NCKU estimates that the most ideal amount of students on campus is 22500, with a maximum of 25000 students, in order to maintain the competitive edge in face of the globalization of higher education.

• **Proportion of Human Resources Allocation**
  To ensure that students enjoy high-quality deployment of human resources, NCKU is improving its student-to-teacher ratio. While the ratio was recorded as 17:1 in 2012, the ratio 13:1 is set as the intermediate goal.

• **Management of Teaching Space**
  To create a comfortable learning-research space as well as campus environment, NCKU is currently striving for a reasonable proportion of space used by students. It is estimated that the floor area per student will be 44 square meters in 2021, and this figure is expected to reach 49 square meters per student in 2031.

• **Forecast of Financial Resources**
  To ensure progress of students’ learning and university development, NCKU develops and implements plans for financial management while taking into account both developments of global situation and government policies. According to the latest plans, the total amount of expenditure per academic year is estimated to be 550 thousand NTD in 2021, and is expected to reach 810 thousand NTD in 2031.

• **Development of Academic Organizations**
  To realize the vision of achieving the international reputation as an excellent comprehensive university, NCKU starts from the excellent development of its academic organizations, including its colleges and departments, its programs and its research centers, as its core foundation and gradually develops strategies and executive plans of organization restructuring.
Current Advantages and Features

High-Quality Teaching Mechanism
NCKU has a complete student screening mechanism and efficient learning environment, as it offers courses and evaluates students based on students’ basic accomplishments and core competencies. At the same time, NCKU carries out assessment on teaching, research and service performance of the teaching staff and provides assistance to them in order to ensure the quality of teaching and research, to build the reputation of the university as well as to enable students to demonstrate diverse high-quality learning outcomes.

Excellent Research and Development Capability
According to Essential Science Indicators (ESI) in 2011, NCKU has been listed within the top 1% of all research institutes based on the number of citations of papers published in 13 out of 22 academic fields in the past 10 years. Papers published by NCKU on engineering, material science and computer science fields have been ranked 10th, 27th and 40th respectively, a performance that takes the lead nationwide, especially in the fields of electrical engineering, mechanical engineering and information system.

Brilliant Performance in Industry-Academia Collaboration
Since the U.S.-sponsored Purdue-Formosa Project in 1950, NCKU has emphasized industry-academia collaboration and has built close ties with the industries. NCKU has played an indispensable role during Taiwan’s industrial development. In 2011, the funds for industry-academia collaboration program were recorded as 97 million NTD. Moreover, the signing bonus for technology transfer between 2009 and 2011 exceeded 100 million NTD; hence, NCKU was ranked No. 1 in industry-academia collaboration performance in Taiwan.

Active Involvement in International Affairs
In 1988, NCKU founded the International Cooperation Team and later established the Office of International Affairs (OIA) in 2007. The role of OIA includes managing, coordinating and implementing all aspects of NCKU’s international affairs, such as learning, research and care of international students and teaching staff. NCKU uses its excellent R&D capability and extensive overseas alumni network to cultivate connections in Southeast Asia and then expand them all over the world.

Rich Cultural Heritage
NCKU has preserved many of its cultural assets, including its ecological zones, national monuments, city monuments and historic buildings, and has also established museums. Other extremely valuable historic assets owned by NCKU include the BK24 Steam Locomotive, Edison’s Electricity Generator, antique machine tools and models, old school bells and so forth.

Rigorous Financial Management
NCKU established the Office of Finance in 2009 and has built a complete and comprehensive investment mechanism since then. The NCKU Office of Finance is operated by professionals to take charge of matters related to investment of university funds, as well as to carefully monitor the university’s financial mechanism by implementing effective monitoring measures to enhance the effective use of university funds.

Admirable Quality of the University Service
NCKU has passed the Ministry of Education’s University Evaluation for the 100th Academic Year with flying colors in 2012. For the previous term between the 96th and 100th academic years, NCKU has achieved an implementation rate exceeding 90% for the various goals set in its own intermediate university development plan. NCKU has also passed the ISO9001 auditing and certification process for 10 consecutive years and has formed the “HiQ team” to promote the quality of the university’s service. Due to its high quality of service, NCKU has been announced as the winner of Service Quality Award by the Ministry of Education for three consecutive years between 2007 and 2009, and was also awarded the highest honor in the 2nd Government Service Quality Award by the Executive Yuan.

Outstanding Alumni
NCKU has a total of 130 thousand alumni, with 34 alumni associations already established in U.S.A., Canada, Japan, Hong Kong, Macau and Southeast Asia. Inspired by NCKU’s spirit of “virtuous practicality” and its motto of intellectual development through persistent pursuit of knowledge, NCKU graduates have topped in the “Favorite Recruits” rankings for many years, and many NCKU alumni have become leaders in many different fields. For example, more than a hundred NCKU alumni have assumed the position of deans in local and foreign universities.
Selected by the Ministry of Education as a Prime Candidate for “promotion to the world’s top-tier universities”

Since the inception in 2005 of Taiwan Ministry of Education’s project “Promoting Academic Excellence and Developing World Class Research Centers”, NCKU and National Taiwan University (NTU) have been chosen as the two top universities for “promotion to the world’s top-tier universities”. In 2013, NCKU has once again been recognized by the Ministry of Education as one of the best universities in Taiwan. NCKU and NTU are now known as the best universities in Southern and Northern Taiwan respectively, a prominent position not to be challenged for the moment.

The Most Favored Recruits for Industry

According to annual surveys conducted by prestigious Taiwanese magazines including Common Wealth, Global Views and Cheers, NCKU graduates have been awarded “Most Favored Recruits for Industry” every year since 1993.

International Dual-Degree Program

In 2004, NCKU became the first university in Taiwan to establish an International dual-degree program, with several renowned universities abroad. In 2004, NCKU arranged a dual-degree program with the Case Western Reserve University (CWRU) in Ohio, U.S.A., which was ranked 31st in the world’s top universities, and successfully sent the first group of students to CWRU to acquire dual degrees in NCKU. Since then, NCKU has moved on to establish even more dual-degree programs with universities abroad, and has continued its efforts in building academic ties with more than 100 world-renowned universities in order to promote advancement in research and technical capabilities and cooperation in intellectual, cultural, and economic relationships.

No. 1 in Research Papers Ranking in Engineering and Materials Science

According to Essential Science Indicators (ESI) on March 2011, NCKU already published 18,333 papers and thus ranked 170th worldwide based on the number of published papers, only second to NTU in Taiwan. It is worth mentioning that papers published by NCKU in engineering and materials science fields have respectively ranked 14th and 26th worldwide, higher than NTU in these two fields.

No. 1 in Industry-Academia Collaboration Nationwide

According to the evaluation done by the Ministry of Education, NCKU has ranked first in terms of its active involvement with industry-academia collaboration for three consecutive years since 2008. It is also the top university in Taiwan for its fund-raising ability and its efforts in industry-academia collaboration for two consecutive years. Its accomplishments in industry-academia collaboration remain unsurpassed in Taiwan.

NCKU Alumnus as a Nobel Laureate

Dr. Samuel Chao Chung Ting, an outstanding NCKU alumnus from the Department of Mechanical Engineering, received the Nobel Prize in Physics in 1976.

Distinguished Honorary Doctorate Recipients

They include Dr. Ta-You Wu, Dr. Yuan-Tseh Lee, Dr. Yun-Suan Sun, Dr. Kwoh-Ting Li, Hsiu-Chi Wu, Shih-Tao Yeh, Yu-Xiu Gu, Qing-Yuan Gao, Morris Chang, Dr. Yuan-Cheng Fung, Dr. Aaron Ciechanover, Dr. Britton Chance, and Dr. Peter Hamilton Raven.

Taiwan’s Only University with University Flag in Space with the Formosat-2 Satellite

NCKU’s satellite research team is one of the few research groups in Taiwan that were involved in the construction of Formosat-2 Satellite and is the only university whose flag is brought into space with the satellite.

The university in Taiwan with its campuses most concentrated

As a comprehensive research university covering a complete set of academic disciplines, NCKU has 9 colleges, including College of Liberal Arts, College of Sciences, College of Electrical Engineering and Computer Science, College of Planning and Design, College of Management, College of Medicine, College of Social Sciences and College of Bioscience and Biotechnology. Each and every college is located in the main campus area, thus enabling students to choose and attend courses across disciplines and to acquire multiple professional skills. The proximity of the campuses promotes knowledge exchange and sharing among students and faculties.
Medical Device Innovation Center (MDIC)

The MDIC is a Center of Excellence for medical device innovation sponsored by the Ministry of Education through interdisciplinary collaborations among physicians, engineers and faculty from Colleges of Medicine, Engineering, and Management at NCKU and NCKU Hospital to brainstorm innovative concepts. The interdisciplinary collaboration fosters to establish an integrated research triangle on medical devices integrated with South Taiwan Science Park. The MDIC not only funds news collaborative academic and research initiatives in medical devices across the institution and hospital, but also to provide innovative medical technology while collaborating with industry and enterprises for further economy stimulation to achieve the "Taiwan Biotechnology Taken-Off Action Diamond Plan.”

Advanced Optoelectronic Technology Center (AOTC)

To develop state-of-the-art optoelectronic technology, NCKU has integrated the Institute of Microelectronics, the Department of Photonics, the Department of Chemical Engineering, the Department of Mechanical Engineering, the Department of Engineering Science, as well as the College of Medicine and faculty members from Taiwan Comprehensive University System to organize an expert team to establish AOTC. The objective of the AOTC is to integrate all the interdisciplinary research groups team up with each other and share all the available research resources to conduct solid-state lighting, biophotonics and other optoelectronics related research and become an exemplar of integrated scientific research across disciplines.

Research Center for Energy Technology and Strategy (RCETS)

To promote research capability in energy related fields, NCKU has integrated researchers and equipment resources, and established “Research Center for Energy Technology and Strategy” (RCETS). RCETS has domestic leading laboratories including "Core Facility Laboratory for Dye-Sensitized Solar Cells", "Energy-Saving Demonstration Furnace "and "Thermal Performance of Building Material Testing Laboratory". Besides focusing on the development of advanced energy technologies and talent cultivation, RCETS also supports energy related curriculum of NCKU. RCETS has the following tasks: (1) Training doctoral and master’s students; (2) Holding conferences and industry seminars and delivering professional training courses; (3) Assisting the related organizations to plan energy policy and propagating the proper methods of energy savings.

Center of Infectious Disease and Signaling Research (CIDSR)

The rapid spread of emerging infectious agents has summoned urgently with capacity building to counteract the invasion. To achieve effective prevention and mitigate the threat to citizens in Taiwan, Center of Infectious Disease and Signaling Research (CIDSR) is established by integrating the outstanding NCKU research groups into one roof center. The CIDSR has actively engaged with international institutes to form a scholar platform offering to cultivate and identify talented individual interesting in the subject. The mission of CIDSR is to institute innovative research within a specific topic and to improve quality of patient cares.
Nine Major Colleges

## Cross-college degree program
Undergraduate program (first year with no department)

## College of Liberal Arts
Department of Chinese Literature
(Masters and Ph.D.)
Department of Foreign Languages and Literature
(Masters and Ph.D.)
Department of History
(Masters and Ph.D.)
Department of Taiwanese Literature
(Masters, Ph.D. and Masters for working professionals)
Institute of Art Studies
(Masters)

## College of Engineering
Department of Mechanical Engineering
(Masters and Ph.D.)
Department of Chemical Engineering
(Masters and Ph.D.)
Department of Resources Engineering
(Masters and Ph.D.)
Department of Materials Sciences and Engineering
(Masters and Ph.D.)
International Curriculum for Advanced Materials Program
(iCAMP) (Masters)
Department of Civil Engineering
(Masters, Ph.D., Masters for working professionals)
Department of Engineering Science
(Masters, Ph.D., Masters for working professionals)
Department of Hydraulic and Ocean Engineering
(Masters, Ph.D., Masters for working professionals)
International Master Program on Natural Hazards Mitigation and Management
(Masters)
Department of Systems and Naval Mechatronic Engineering
(Masters and Ph.D.)
Department of Aeronautics and Astronautics
(Masters, Ph.D., Masters for working professionals)
International Bachelor Degree Program on Energy
Department of Environmental Engineering
(Masters and Ph.D.)
Department of Geomatics
(Masters and Ph.D.)
Department of Biomedical Engineering
(Masters and Ph.D.)
Institute of Engineering Management
(Masters for working professionals)
Institute of Ocean Technology and Affairs
(Masters and Ph.D.)
Institute of Civil Aviation
(Masters)

## College of Sciences
Department of Mathematics
(Masters and Ph.D.)
Department of Physics
(Masters and Ph.D.)
Department of Chemistry
(Masters and Ph.D.)
Department of Earth Science
(Masters, Ph.D. and Masters for working professionals)
Department of Electro-Optical Science and Engineering
(Masters and Ph.D.)
Institute of Space, Astrophysical and Plasma Science
(Masters)

## College of Medicine
Department of Medicine
Department of Nursing (Masters)
Department of Medical Laboratory Science and Biotechnology (Masters)
Department of Physical Therapy (Masters)
Department of Occupational Therapy (Masters)
Department of Biochemistry and Molecular Biology (Masters)
Institute of Pharmacology (Masters)
Institute of Physiology (Masters)
Institute of Microbiology and Immunology (Masters)
Institute of Clinical Pharmacy and Pharmaceutical Sciences (Masters and Ph.D.)
Department of Environmental and Occupational Health (Masters and Ph.D.)
Institute of Basic Medical Science (Masters)
Institute of Molecular Medicine (Masters)
Institute of Behavioral Medicine (Masters)
Institute of Clinical Medicine
(Masters, Ph.D. and Masters for working professionals)
Institute of Cell Biology and Anatomy (Masters)
Institute of Public Health (Masters and Ph.D.)
Institute of Oral Medicine (Masters)
Institute of Allied Health Sciences (Ph.D.)
Institute of Gerontology (Masters)

## College of Electrical Engineering and Computer Science
Department of Electrical Engineering
(Masters, Ph.D. and Masters for working professionals)
Department of Computer Science and Information Engineering
(Masters and Ph.D.)
Institute of Manufacturing Engineering
(Masters and Ph.D.)
Institute of Microelectronics
(Masters and Ph.D.)
Institute of Computer and Communication Engineering
(Masters and Ph.D.)
Institute of Medical Informatics
(Masters)
Multimedia Systems and Intelligent Computing
Ph.D Degree Program (Ph.D)

## College of Management
Department of Business Administration
(Masters, Ph.D. and Masters for working professionals)
Department of Accountancy
(Masters and Ph.D.)
Department of Industrial and Information Management
(Masters, Ph.D. and Masters for working professionals)
Department of Transportation and Communication Management Science
(Masters, Ph.D. and Masters for working professionals)
Department of Statistics
(Masters and Ph.D.)
Institute of International Business
(Masters and Ph.D.)
Institute of Information Management
(Masters and Ph.D.)
Institute of Finance and Banking
(Masters, Ph.D. and Masters for working professionals)
Institute of Telecommunications Management
(Masters)
Institute of Physical Education, Health and Recreation
(Masters)
Institute Master Program of Business Administration
(IMBA) (Masters and Ph.D)
Advanced Master Business Administration Program
(AMBA) (Masters)
Executive Master Program of Business Administration
(EMBA) (Masters for working professionals)

## College of Planning and Design
Department of Architecture
(Masters, Ph.D. and Masters for working professionals)
Department of Urban Planning
(Masters and Ph.D.)
Department of Industrial Design
(Masters, Ph.D. and Masters for working professionals)
Institute of Creative Industry Design
(Masters and Ph.D)

## College of Social Sciences
Department of Political Science
Department of Economics
(Masters)
Department of Law
(Masters and Ph.D.)
Department of Psychology
(Masters)
Institute of Political Economy
(Masters, Ph.D. and Masters for working professionals)
Institute of Education
(Masters and Ph.D)

## College of Bioscience and Biotechnology
Department of Life Sciences
(Masters and Ph.D.)
Institute of Biotechnology
(Masters and Ph.D)
Institute of Bioinformatics and Biosignal Transduction
(Masters and Ph.D.)
Institute of Tropical Plant Sciences
(Masters)
Excellent Teaching and Learning

Since its establishment in 1931, NCKU has nurtured countless social elites and leaders under the trailblazing efforts of its former faculties and staffs. The university is a role model for the transformation of Taiwan’s higher-educational institutes, and is also an important pillar of the country’s economic and industrial structure. With its high-quality teaching mechanism, excellent R&D capability, brilliant industry-academia collaboration performance, active involvement in international affairs, rich cultural heritage, healthy financial mechanism, admirable quality of university service, outstanding alumni, along with the support by MOE, NCKU is devoting itself to the Top University Project and has gradually shaped itself with the image of a world-class university.

NCKU with great collaboration efforts across academia and industry has set up NCKU Comprehensive University Business Entrepreneurship (CUBE), an entrepreneur initiative, to provide necessary support and resources students need to build enterprise solution and grow their business. At this point, NCKU continues to uphold the concept of sustainable management in order to realize the goal of becoming a top-tier university.