

# NATIONAL CHUNG HSING UNIVERSITY

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NCHU



國立中興大學  
National Chung Hsing University

402 臺中市南區興大路145號  
145 Xingda Rd., South Dist., Taichung City 402, Taiwan  
TEL: 04-22873181 [www.nchu.edu.tw](http://www.nchu.edu.tw)

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# 國立中興大學

NATIONAL CHUNG HSING UNIVERSITY



# Foreword from the President



I began teaching at National Chung Hsing University (NCHU) in 1993, and over the years I had served as the director of the Department of Materials Science and Engineering, Dean of the Office of Research and Development,

and Dean of the College of Engineering. Since I took office as president in August 2015, I proposed a new administrative vision; "HAVE: Humanity is our foundation, Academia is our priority, and Value creation and Enrichment of mankind are our goals." In so doing, I made it my goal to forge NCHU as one of the top three landmark universities in Taiwan. To that end, I would:

- Create a supportive environment for teaching and research, increase the number of internships available to expand students' professional horizons, and strengthen students' foreign language capabilities for more exchange activities with top universities overseas.
- Establish an "administrative think tank" to train next-generation instructors and mentors, and inaugurate a specialized research center to integrate interdisciplinary resources.
- Strengthen cooperation within the Taiwan Comprehensive University



System (TCUS, or Taiwan T4 Alliance) that supports an Ivy League-like academic milieu.

- Assist with the development of student clubs, provide employment consultation, and launch courses on building business startups.
- Reinvent the school's mentoring system, provide financial aid to students from disadvantaged families, and strengthen the services of the alumni center to offer industrial consultation.

I will work closely with the administrative team to usher NCHU into a new era, making the university a top-notch, research-driven institution of higher learning. Education is a process requiring years of hard work and devotion, and my wish is for NCHU to bring new aspirations to higher learning in Taiwan.

## President

### Dr. Fuh-Sheng Shieh

#### Current Position

Distinguished Professor, Department of Materials Science and Engineering, NCHU

#### Education

Ph.D. in Materials Science and Engineering, Cornell University, USA (1990)

#### Positions Held

- Dean, College of Engineering, NCHU (2009-2015)
- Dean, Office of Research and Development, NCHU (2004-2009)
- Chair, Department of Materials Science and Engineering, NCHU (2000-2003)
- Chair, Institute of Materials Engineering, NCHU (1999-2000)
- Director, Division of Materials Science and Engineering, Dept. of Engineering and Applied Sciences, NSC (2007-2010)
- Committee on the Think Tank of Central Government Technology Development, NSC (2010-2012)
- Director, National Nanotechnology Human Resource Development Program (2008-2011)

#### Honors

- Fellow, Institute of Engineering and Technology (2011)
- Fellow, Institute of Materials, Minerals and Mining (2012)
- Fellow, Australian Institute of Energy (2012)
- Distinguished Alumni Award of MS&E, Cornell University (2011)

# National Chung Hsing University

## History

NCHU has undergone a number of stages of change. It was first established in 1919, during the Japanese occupation, as the Advanced Academy of Agronomy and Forestry in Taipei. In 1928, the academy became a special department affiliated to Taihoku Imperial University (now known as the National Taiwan University). In 1943, the department became an independent school and moved to Taichung.

After 1945 when control of Taiwan was transferred from Japan to ROC, the school was reorganized and renamed as "Taiwan Provincial Taichung Agricultural Junior College." In 1946, the Junior College was promoted to the level of provincial college, the Taiwan Provincial College of Agriculture. In 1961, the school was combined with the newly-founded College of Science and Engineering on the same Taichung campus, and the College of Law and Business, established in Taipei in 1949, to form the Taiwan Provincial Chung Hsing University.

Since then, NCHU has continued to grow in size. In 1964, an Evening School was set up on the Taipei campus. In 1968, another Evening School and College of Liberal Arts were added to Taichung campus. In 1971, the school became a national university, and changed to its present name: National Chung Hsing University. The College of Veterinary Medicine was

established in September of 1999. In February of 2000, the Taipei campus, including the College of Law & Business and the Taipei Evening School, became the National Taipei University. The College of Social Sciences & Management was established on Taichung campus at the same time.

NCHU has become one of the top universities in Taiwan since the school was granted under the "Development Plan for World Class Universities and Research Centers of Excellence program" funded by the Ministry of Education in 2006. In September, 2010, the Extension Division for Inservice and Continuing Education was transformed into the School of Innovation and Industry Liaison. In August, 2011, the College of Social Science & Management was renamed as the College of Management, and the College of Law and Politics was established at the same time.

In February, 2014, National Dali Senior High School and National Taichung Agriculture Senior High School have been transferred to The Affiliated Senior High School of National Chung Hsing University and The Affiliated Taichung Senior Agricultural Vocational High School of National Chung Hsing University.





## Brief History

1919

Advanced Academy of Agronomy and Forestry

1928

A Special Department affiliated to Taihoku Imperial University (now National Taiwan University)

1943

Taichung College of Agronomy and Forestry

1946

Taiwan Provincial College of Agriculture

1961

Taiwan Provincial Chung Hsing University

1971

National Chung Hsing University

## Campus

The main campus contains the College of Liberal Arts, the College of Agriculture and Natural Resources, the College of Science, the College of Engineering, the College of Life Sciences, the College of Veterinary Medicine, the College of Management, and the College of Law and Politics. It is located in the south of Taichung City and has an area of approximately 53 hectares.

The university has four experimental forest stations located respectively in New Taipei City (Wenshan Forest Station), Nantou County (Huisun Forest Station), Taichung City (Tungshih Forest Station), and Tainan City (Hsinhua Forest Station). It also has two experimental farms located at Wufeng and Wujih in Taichung City and a Horticultural Experiment Station located at Renai in Nantou County.



## NCHU Academics

NCHU Academics		Bachelor Programs	Master Programs	PhD Programs
College of Liberal Arts	Department of Chinese Literature	●	●	●
	Department of Foreign Languages and Literatures	●	●	
	Department of History	●	●	●
	Graduate Institute of Library and Information Science		●	
	Graduate Institute of Taiwan Literature and Transnational Cultural Studies		●	
	International PhD Program in Taiwan and Transcultural Studies			●
	Inservice Bachelor Program of Culture and Creative Industry	●		
College of Agriculture and Natural Resources	Department of Agronomy	●	●	●
	Department of Horticulture	●	●	●
	Department of Forestry	●	●	●
	Department of Applied Economics	●	●	●
	Department of Plant Pathology	●	●	●
	Department of Entomology	●	●	●
	Department of Animal Science	●	●	●
	Department of Soil and Environmental Sciences	●	●	●
	Department of Soil and Water Conservation	●	●	●
	Department of Food Science and Biotechnology	●	●	●
	Department of Bio-Industrial Mechatronics Engineering	●	●	●
	Graduate Institute of Biotechnology		●	●
	Graduate Institute of Bio-Industry Management		●	
	Inservice Master Program of Agricultural Business Management		●	
	Bachelor Program of Biotechnology	●		
	Bachelor Program of Landscape and Recreation	●		
	Bachelor Program of Bio-Industry Management	●		
	International Master Program of Agriculture		●	
College of Science	Master Program of Landscape and Recreation		●	
	International Bachelor Program of Agribusiness	●		
	Master Program of Agriculture Economics and Marketing		●	
	Master Program for Plant Medicine and Good Agricultural Practice		●	
	Department of Chemistry	●	●	●
	Department of Applied Mathematics	●	●	●
College of Engineering	Department of Physics	●	●	●
	Department of Computer Science and Engineering	●	●	●
	Graduate Institute of Nanoscience		●	
	Graduate Institute of Statistics		●	
	Department of Civil Engineering	●	●	●
	Department of Mechanical Engineering	●	●	●
	Department of Environmental Engineering	●	●	●
	Department of Electrical Engineering	●	●	●
	Department of Chemical Engineering	●	●	●
	Department of Materials Science and Engineering	●	●	●



NCHU Academics		Bachelor Programs	Master Programs	PhD Programs
College of Life Sciences	Department of Life Sciences	●	●	●
	Graduate Institute of Molecular Biology		●	●
	Graduate Institute of Biochemistry		●	●
	Graduate Institute of Biomedical Sciences		●	●
	In-service Master Program in Life Sciences		●	
	Graduate Institute of Genomics and Bioinformatics		●	
	PhD Program in Medical Biotechnology			●
	PhD Program in Translational Medicine			●
College of Veterinary Medicine	Department of Veterinary Medicine	●	●	●
	Graduate Institute of Microbiology and Public Health		●	●
	Graduate Institute of Veterinary Pathobiology		●	●
College of Management	Department of Finance	●	●	●
	Department of Business Administration	●	●	●
	Department of Marketing	●	●	
	Department of Management Information Systems	●	●	
	Department of Accounting	●	●	
	Graduate Institute of Technology Management		●	●
	Executive Master of Business Administration		●	
	Graduate Institute of Sports and Health Management		●	
College of Law and Politics	Bachelor Program of Innovative Industry Management	●		
	Department of Law	●	●	
	Graduate Institute of International Politics		●	●
	Graduate Institute of National Policy and Public Affairs		●	
	Graduate Institute of Professional Development for Educators		●	
Interdisciplinary programs	Tricontinental Master Program in Global Studies		●	
	PhD Program in Tissue Engineering and Regenerative Medicine			●
	PhD Program in Microbial Genomics			●
	Post Bachelor Degree of Light emitting diodes	●		

\*This table is for the 2016 school year, and is intended for reference only. This information is subject to change.

NCHU Research			
Biotechnology Center	Research Center for Sustainable Energy and Nanotechnology	Research Center for Humanities and Social Sciences	Agricultural Products Approval and Certification Center



# NCHU Administration

## President

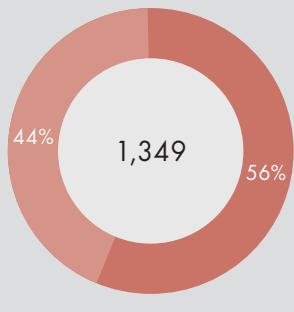
|

## Vice President

Secretariat Office	Library	Center for Teacher Education
<ul style="list-style-type: none"> <li>◆ Division of Administrative Affairs</li> <li>◆ Division of Media Relations</li> <li>◆ Division of Documents and Files</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Acquisitions and Cataloging</li> <li>◆ Division of Collection Management and Circulation Services</li> <li>◆ Division of Reference Services</li> <li>◆ Division of Digital Resources</li> <li>◆ Division of Information Systems</li> <li>◆ Division of University Archives and Special Collections</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Practicum and Internship</li> <li>◆ Division of Local Educational Counseling</li> </ul>
Office of Academic Affairs		Alumni Center
<ul style="list-style-type: none"> <li>◆ Division of Registration</li> <li>◆ Division of Curriculum</li> <li>◆ Division of Recruitment &amp; Information</li> <li>◆ Center for Development of Teaching &amp; Learning</li> </ul>		<ul style="list-style-type: none"> <li>◆ Division of Service</li> <li>◆ Division of Liaison</li> </ul>
Office of Student Affairs	Computer and Information Network Center	Art Center
<ul style="list-style-type: none"> <li>◆ Office of Military Education</li> <li>◆ Division of Student Life</li> <li>◆ Division of Extracurricular Activities</li> <li>◆ Division of Student Housing Service</li> <li>◆ Division of Overseas Chinese Students Affairs</li> <li>◆ Career Development Center</li> <li>◆ Health and Counseling Center</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Computer Operations</li> <li>◆ Division of Administration and Consultation</li> <li>◆ Division of Application System Development</li> <li>◆ Division of Information and Network</li> <li>◆ Division of Research and Development</li> </ul>	---
Office of General Affairs	Office of Personnel	Center for Environmental Protection and Occupational Safety and Health
<ul style="list-style-type: none"> <li>◆ Division of Business</li> <li>◆ Division of Cashier</li> <li>◆ Division of Construction and Maintenance</li> <li>◆ Division of Property Management</li> <li>◆ Division of Campus Security</li> </ul>	<ul style="list-style-type: none"> <li>◆ First Division</li> <li>◆ Second Division</li> <li>◆ Third Division</li> <li>◆ Fourth Division</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Environmental Protection</li> <li>◆ Division of Labor Safety and Health</li> </ul>
Office of Research and Development	Office of Accounting	General Center for Academia-Industry Collaboration (GCAIC)
<ul style="list-style-type: none"> <li>◆ Institutional Research Center</li> <li>◆ Division of Project Affairs</li> <li>◆ Division of Academic Development</li> <li>◆ Instrument Center</li> </ul>	<ul style="list-style-type: none"> <li>◆ First Division</li> <li>◆ Second Division</li> <li>◆ Third Division</li> <li>◆ Fourth Division</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Intellectual Property Management</li> <li>◆ Division of Innovation Incubation</li> <li>◆ Division of Real Estate Management</li> <li>◆ Division of Continuity Education</li> <li>◆ Division of Testing Services</li> <li>◆ Division of Creativity and Entrepreneurship Business</li> </ul>
Office of International Affairs	Office of Physical Education and Sport	Center for General Education
<ul style="list-style-type: none"> <li>◆ Division of Academic Exchange</li> <li>◆ Division of Foreign Student Affairs</li> <li>◆ Division of Mainland Affairs</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Teaching and Research</li> <li>◆ Division of Sports Activities</li> <li>◆ Division of Sports Facilities</li> </ul>	<ul style="list-style-type: none"> <li>◆ Division of Teaching Affairs</li> <li>◆ Division of Administrative Affairs</li> </ul>
Affiliated Schools		School of Innovation and Industry Liaison
The Affiliated Senior High School of National Chung Hsing University		<ul style="list-style-type: none"> <li>◆ The Division of Marketing and Planning</li> <li>◆ The Division of Extension and In Service Training</li> </ul>

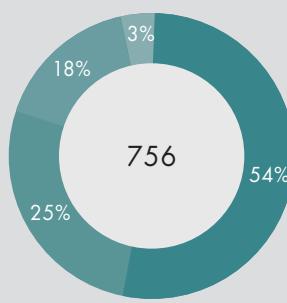


## NCHU Statistics



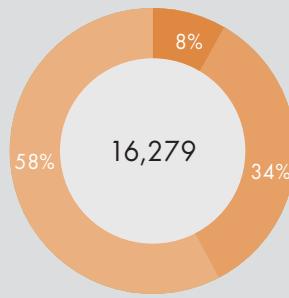
Faculty & Staff

Faculty	756
Staff	593



Faculty

Professor	406
Associate Professor	192
Assistant Professor	132
Lecturer	26



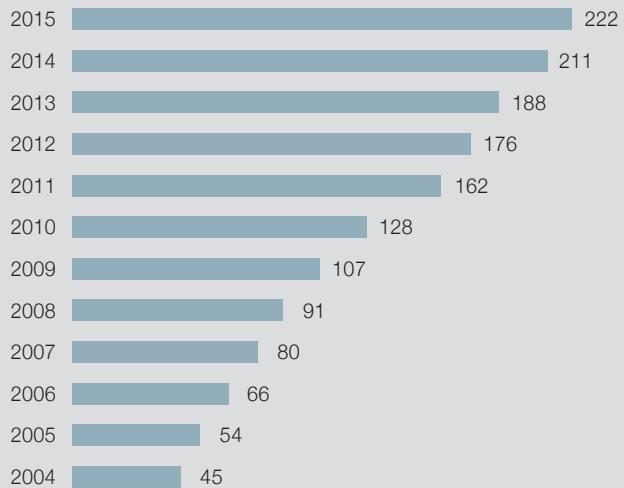
Students

PhD Program	1,344
Master Program	5,545
Bachelor Program	9,390

### LIBRARY STATISTICS

Books	857,901
e-Books	876,472
e-Journals	34,569
audio / video	363,926

### PARTNER UNIVERSITIES



\*These data are for the 2015 school year, and are intended for reference only. This information is subject to change.

# Academic Affairs at NCHU

<http://www.oaa.nchu.edu.tw/>  
e-mail : oaaweb@nchu.edu.tw  
Tel : 886-4-22840208  
Fax : 886-4-22871530



First established in 1919 as an academy of Agronomy and Forestry, the National Chung Hsing University (NCHU) is now a comprehensive university where one can study a wide range of disciplines such as agriculture, science, engineering, literature, law and politics, business management, and the veterinary medicine. As one of the 12 institutions supported by the Ministry of Education's NT\$50 billion Aim for Top University Plan, multiple initiatives to strengthen the academic quality of the university have been set up. Because of the resources provided by the university, students are poised to excel academically. The academic goal of the university is to nurture young adults to have knowledge of both science and the humanities, capability to communicate and innovate, and a global vision tempered by a consciousness of social responsibilities.

## DISCIPLINES AND SPECIALTIES

The university has 8 colleges, which are subdivided into 32 departments, 24 graduate institutes and 18 cross-department degree programs, with the Center for General Education as an independent academic organization set up to ensure the balanced study of different academic fields. The School of Innovation and Industry Liaison has 6 continuing education programs, all offering bachelor's degrees. In total, the university offers more than 42 bachelor's programs, 80 master's programs and 41 doctoral programs. The school offers over 6,500 courses each year, among which more than 3,300 are for undergraduate level and 300 are in English, supporting 6 completely English-taught degree programs. Because of all of this, the academic

environment created at NCHU offers all students the freedom to choose their own particular path of learning.

## FACULTY AND STUDENTS

Currently, NCHU has approximately 16,000 students with 756 full-time faculty members, of which 95% hold doctorate degrees from top national and foreign universities. The student population is comprised of 9,390 undergraduates, 5,545 master's students and 1,344 doctoral students. The faculty members at NCHU include 406 professors, 192 associate professors, 132 assistant professors and 26 lecturers, among which there is 1 national chair professor by Ministry of Education, 43 chair professors, 73 distinguished professors. The university has conferred bachelor's, master's and doctoral degrees on over 130,000 graduates since the establishment of NCHU at 1971. Of these there are two alumni, graduated from the department of plant pathology and veterinary medicine, that have been elected as academicians of Academia Sinica.

## BALANCED CURRICULUM

In order to achieve academic excellence, a complete multi-level education system has been formed at NCHU. In addition to the undergraduate and graduate programs, there is also a professional veterinary school, an extension division for in-service and continuing education and a center for general education, ensuring that humanities, social science and natural science are built-in to every student's curriculum, equally emphasizing both general and specialized knowledge. NCHU offers a series of language courses, community



service programs, self-study courses that are designed to improve the students' abilities to think critically, to communicate, to integrate different opinions and to solve problems. One highlight event is the Hui Sun Chair Lecture Series in which international leaders and masters of all disciplines including sciences, politics, business, religion, arts, and sports are invited to share their life experiences of knowledge and practical skills.

## LEARNING AND TEACHING

To better serve the students and faculty and to facilitate academic affairs at NCHU, the office of academic affairs was established. The office of academic affairs assists in student recruitment and admissions, course enrollment, curriculum management, record and transcript management, academic diplomas and certificates, and is responsible for faculty teaching enhancement and development. Outcome-oriented course road maps have been designed for students to satisfy their learning needs. Student coursework is enforced by one-on-one tutoring services to improve both the fundamental and the specialized subjects. Students at academic risk are monitored by a warning system to lessen and hopefully preclude any possibility of dropping out. Internationally, NCHU promotes partnerships with foreign universities and has developed several dual-degree programs with partner universities, 258 international institutions are partnered with NCHU, offering hundreds of exchange opportunities each year to further expand student horizons. Faculty members are encouraged to share teaching ideas and learning experiences through specialty workshops and conferences. Mentoring and teaching assistant programs with resource websites are available for new

faculty. Strategies to build up young talents at NCHU are implanted. For instance, contracted exchanges to internationally renowned schools such as UC Berkeley, University of Chicago, Harvard University, Massachusetts Institute of Technology, and London Imperial College are available for faculty as well as students. The ever increasing group of scholars who come from abroad for academic exchanges further enriches the NCHU campus and benefits both the students and the faculty.

## ACADEMIC ALLIANCES

Academic alliances with local elite senior high schools are a strategy that NCHU uses to facilitate regional academic interactions and promote interest in admission to the university. NCHU recently signed agreements with 51 local high schools, 17 overseas high schools, offering numerous academic advantages for all participating schools. In addition to the complementary library access, free admission to academic and scientific events and camp discounts, there are reserved spots for pre-college scientific training and summer courses for preapproved college-bound students from alliance member schools. These course credits are also recognized by the other member universities of the Taiwan Comprehensive University System (TCUS), which includes NCHU, NCKU, CCU and NSYSU.

## LOOKING INTO THE FUTURE

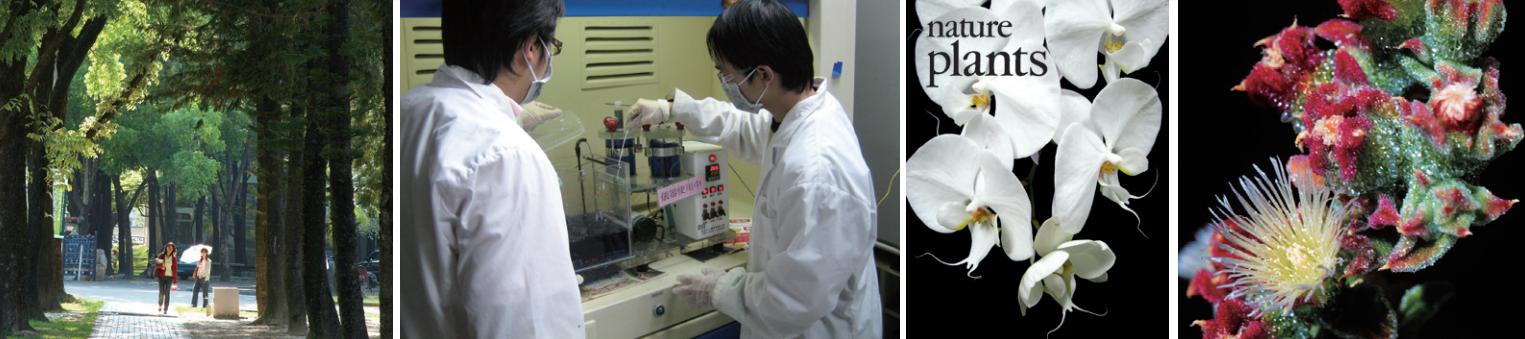
With competitively ranked academic programs, highly competent faculty and outstanding facilities, NCHU offers versatile opportunities to make your academic experience rich and fruitful. We look forward

to continuing to foster mature, knowledgeable and responsible students with global vision, concern for our environment and humanity towards others in society.



# Research at NCHU

<http://research.nchu.edu.tw/>  
e-mail : [research@nchu.edu.tw](mailto:research@nchu.edu.tw)  
Tel : 886-4-22840580  
Fax : 886-4-22852787



## BUILDING UP "A WORLD-CLASS RESEARCH ENVIRONMENT"

In support of NCHU's goal to become one of the top research universities in the world, the office of R&D along with 4 advanced research centers and 8 colleges on campus have made great efforts to provide a world-class research environment which is internationally competitive, has a research vision and ambition, and cares about global issues.

## RESEARCH TEAMS AT NCHU

NCHU has more than 90 years of history and a good reputation for its participation in the agricultural industry and environmental protection acts. Experts in the fields of biotechnology and sustainable development on campus have helped to achieve an affordable, sustainable and clean supply of food and energy and to sustain a clean environment. In addition to its full support of two of the most competitive research fields, agricultural biotechnology and sustainable development technology, NCHU has set up three top-ranking research centers: First, the Center for Advanced Industry Technology and Precision Processing, which is focused on the new generation of ultraviolet light-emitting diodes (UV-LEDs) as well as the required UV-resistant packaging materials, construction of interdisciplinary patent engineering, and establishment of miniaturized eco-UV application systems. Second, the Animal Medical Center, which is focused on the functional genomics for domestic animals and the development of vaccines. Third, the Research Center for Intelligent Automation and Precision Machinery, which aims to create an intelligent-living environment and provide advanced automation solutions for industry. NCHU actively promotes cutting-edge

research projects as well as many interdisciplinary and international research collaborations.

## RESEARCH FOCUSES

NCHU is well known for its outstanding research in agricultural biotechnology, particularly in the fields of agricultural molecular biotechnology, transgenic plant and animal science, and agricultural production. The research outcomes derived are the school's invaluable assets, giving NCHU a competitive edge among the world's top-ranking universities. With the efforts of all experts on campus, NCHU has grown quickly in these research areas.

NCHU's faculty have also made great contributions to the advancement of Taiwan's international agricultural aid and diplomatic relationships with other nations. Additionally, in 2012, the "NCHU-UCD Plant and Food Biotechnology Center" has also been founded in collaboration with UC Davis.

In terms of sustainable development technology, NCHU is leading the country in research on disaster prevention and energy-saving, and has made great achievements in the fields of environmental protection technology, disaster prevention technology, advanced industry technology and precision processing.

In addition to the two major fields, agricultural biotechnology and sustainable development technology, NCHU also emphasizes research in the humanities and social sciences. Working closely with the College of Liberal Arts, the College of Law & Politics, the College of Management, and the Arts Center, the Research Center for Humanities and Social Sciences promotes the idea of a "cultural green silicon valley" and provides a platform for dialogues between humanities and sciences.



NCHU has become an important hub for scholars of the humanities, arts, and sciences in central Taiwan.

## RESEARCH FUNDING

In support of cutting-edge research and individual research projects on campus, NCHU spends about NT\$1.6 billion in research funding every year. Our research is mainly sponsored by government institutes, foundations, as well as some private corporations. Starting in 2006, the Ministry of Education in Taiwan has funded a two-phase plan, called the ATU (Aim for Top University) project, with the goal of improving the quality and breadth of higher education and raising our international competitiveness in the 21st century. Because of the ATU plan, NCHU is granted an annual subsidy of NT\$300-450 million. With this support, NCHU's research performance has made significant progress.

## HONORS & AWARDS

In the THES-QS world university survey in 2015, NCHU ranked 95th among the Asia's top universities. And according to the ESI (Essential Science Indicators) database in 2015 (Table I), the highly cited articles published by NCHU faculty in 10 specialized fields (agricultural sciences, plant & animal science, engineering, materials science, chemistry, biology & biochemistry, and clinical medicine, environment/ecology, pharmacology & toxicology, social sciences, general) have all reached the top 1% of the world ranking. The number of articles published by NCHU faculty in journals of the SCI, SSCI, and A&HCI citation indexes in 2005 was 659, whereas in 2015 it increased to 1125. The number of HiCi articles has also increased from 6 in the year 2005 to 76 in the year 2015.

As for the honors and awards (see Table II), NCHU is the only university in Taiwan granted with 3 "Project of Excellence" awards in the field of biology & agricultural biotechnology by the National Science Council and Ministry of Education. Many of our faculty members have received awards and honors domestically and internationally. Some of them are also editors of major international journals or fellows of important academic

societies such as AAAS, ACM, IEEE, IAFoST, ACS, IFT, SOCS, CIC, CIFST, RSC, NACB and AC.

## RESEARCH COLLABORATION AND INFLUENCES

To raise its research potential and reputation, NCHU works to reinforce its research cooperation with not only top domestic universities but also some international partner universities, such as Cornell University, UC Davis, UC San Diego, and UC Berkeley. NCHU also encourages its research teams to establish long-term partnerships with industrial or professional entities in order to strengthen the university's leading role in academia-industry collaboration in central Taiwan. Cooperation with prestigious research institutes and hospitals of Taiwan is also underway to expand our research capacity and to further enhance the influence of NCHU in the region and nationwide.

Table I. World's Top 1% Ranking Research in NCHU (ESI)

Disciplines	World ranking in 2015	
	Publication	Citation
1 AGRICULTURAL SCIENCES	150	108
2 PLANT & ANIMAL SCIENCE	265	445
3 ENGINEERING	292	294
4 MATERIALS SCIENCE	260	332
5 CHEMISTRY	378	361
6 BIOLOGY & BIOCHEMISTRY	492	637
7 CLINICAL MEDICINE	1115	1340
8 ENVIRONMENT/ECOLOGY	589	690
9 PHARMACOLOGY & TOXICOLOGY	456	539
10 SOCIAL SCIENCES, GENERAL	1014	1128

Honors & Awards	Number
Domestic Academician	1
Academic Fellow	9
Organization President or vice President	4
National Chair Professorship Award of MOE	2
Academic Award of MOE	5
Distinguished Research Fellow Award of MOST	7
Outstanding Research Award of MOST	69
Ta-You Wu Memorial Award of MOST	6
Outstanding Achievement Award in Science and Technology of the Executive Yuan	1
Presidential Agriculture Innovation Award	1
National Ten Outstanding Young Person Award	1
Far Eastern YZ Hsu's innovative Patent Award	3
TECO Award	1
Research Award for Junior Research Investigators	7

# International Cooperation at NCHU

<http://www.oia.nchu.edu.tw/>  
e-mail : oia@nchu.edu.tw  
Tel : 886-4-22840206  
Fax : 886-4-22857313



In order to become a top-ranking university in the international academic community, NCHU actively promotes international affairs. Currently, there are about 700 foreign students from all over the world seeking academic degrees at NCHU. By November of 2015, NCHU has established formal partnership with 222 institutions in more than 30 countries all over the world. With its strong faculty and student exchange programs, NCHU itself is a small-scale international community. NCHU collaborates with many well-known international universities for dual-degree programs, including Case Western Reserve University, University of Delaware in the USA, University of the Pacific in Ecuador, Saga University, Toyota Technological Institute in Japan, Czech Technical University in Prague, La Trobe University in Australia, Massey University in New Zealand and AgroParisTech, n+i Engineering Institutes in France. Outstanding students in these programs receive scholarships from NCHU to study abroad, and graduate with a double degree.

NCHU has regularly held various international conferences and established centers to enhance international collaborations, such as the EU Center at NCHU:

## The EU Center at NCHU

Opened in April 2010, the European Union (EU) Center at NCHU is not only an office, but also an information hub for promoting the EU related activities on campus. The EU Center sets up the EU collection and display area in the library. In addition, the EU Center also collaborates with the European Union in Taiwan (EUTW) to organize the EU forums and other international events, hoping more people will have better understanding and knowledge about studies and policies of the EU.

## INTERNATIONAL STUDENTS

NCHU strives to recruit international students and assist them with university and government policies and procedures, such as scholarship applications, general consultation, and information needed for their campus





life. The staff of OIA (the Office of International Affairs) is especially helpful in assisting international students with issues like accommodation, health insurance, medical examinations, part-time work permits, alien registration, scholarship information and extra-curricular activities. The OIA organizes activities, such as cultural field trips, forums, celebrations of local and international festivals to help international students experience the rich culture of Taiwan.

### CHINESE LANGUAGE PROGRAM

NCHU has established a Chinese Language Program for students interested in learning Chinese language and culture. There are three program types, designed for different needs: Chinese Program, Business Mandarin Courses, and 1 on 1 Tutorial Program. The program offers elementary, intermediate, high-intermediate, and advanced level courses. The elementary and intermediate levels focus on the acquisition of Chinese for daily use, while the high-intermediate and advanced courses focus more on culture-oriented topics. The classes are small in size. The instructors are all professionally trained and highly experienced.

### SUMMER PROGRAMS FOR PARTNER UNIVERSITIES

In the past few years, NCHU has designed several

summer programs for international students from NCHU's partner universities to delve into the cultural beauty of Taiwan. These summer programs offer a series of Mandarin language and Chinese cultural courses, as well as field trips where students can learn about things such as martial arts, calligraphy, and architecture of Taoist and Buddhist Temples. NCHU earnestly invites international students to participate in these cultural discovery trips.

#### \* Information about NCHU Summer Programs

- Chinese Language and Culture Program (2 weeks in July-Aug)
- Intensive Chinese Language and Cultural Program for Tubingen University, Germany
- Taiwan Economics and Culture Program for Innsbruck University, Austria ( For more information, please check on the website: <http://www.olia.nchu.edu.tw> )

To become a top-ranking research university, NCHU will continue to improve the internationalization of the campus and provide a world-class research environment for all faculty and students.

# Student Life at NCHU

<http://www.osa.nchu.edu.tw/>  
e-mail : [nchuosa@dragon.nchu.edu.tw](mailto:nchuosa@dragon.nchu.edu.tw)  
Tel : 886-4-22840222~3、22840610  
Fax : 886-4-22874839



## OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs (OSA) is committed to holistic education to prepare students for their future career development in a diverse and global society. The OSA comprises 7 execution units, which provide services and facilities on assistantship, counseling, extracurricular activities, health, career plan, housing and military service. The objective is to foster a healthy, safe, and supportive learning environment outside the classroom for students to pursue extracurricular success, autonomous learning, and social enrichment.

## STUDENT CLUBS

There are over 140 student organizations at NCHU, providing students with diverse interests and social connections. Student clubs of various types, such as public service, sport, music, art, recreation, and student associations, inspire students not only to improve themselves but also to contribute individual or group capability to the community.

The Student Association is the highest student-run organization, and its purpose is to manage all affairs associated with students on campus. Students in this association can learn skills such as leadership, communication, career planning, etc. Other than student clubs, other programs provided by the Office of Student Affairs can also assist students in reinforcing abilities in many aspects of college life.

## FRIENDLY ENVIRONMENT

Awareness of globalization is necessary for all students to prepare for the future. At NCHU, in addition to domestic students, there are international students and overseas Chinese students studying on campus, which provides opportunities to learn about other cultures and get a global view. In the dormitories, international students, overseas Chinese students and domestic students can exchange their experiences about things such as language learning, discussion of culture and art, and participation in festivals. Local students are offered a total of over NT \$150 million in scholarship and assistantship funds that can be requested from the Division of Student Life. In addition, the Career Development Center of the Office of Student Affairs also offers many useful programs to broaden students' vision and help them plan their career, such as international volunteer groups, where NCHU students go overseas to provide volunteer services, as well as service learning and career development lectures.

## HEALTH AND COUNSELING

All students on campus possess free physical and mental health care. The Health and Counseling Center provides services for all students on campus, including international students. There are many lectures and other learning programs provided during semesters as well, such as pressure relief, weight reduction, and learning efficiency improvement.



Professional and licensed psychologists are available for students, as needed, in the 4th floor at the Hui-Sun Auditorium. In addition, 3 licensed nurses offer quality service in the 1st floor as well. In the 1st floor, there is another unit called Resource Classroom set in this center. It offers various service and assistance for those students who are mental or physical disability. There are 4 professional staff share duties for colleges in the campus.

The Health and Counseling Center also manages the mentor system on campus. There are over 500 mentors. Each mentor is assigned up to 20 students, and can assist students with learning and living on campus. There are many programs offered by the Health and Counseling Center to these mentors to improve their ability. Taking good care of students' physical and mental health is an important task.

## STUDENT HOUSING AND SAFETY

No matter whether students are living on or off campus, the Division of Student Housing Services provides facilities and assistance with lease and related problems. In addition, staff and students are trained to plan and manage most affairs to provide services for residents.

The Office of Military Education offers the services to

ensure the safety of the students. The services include treatment of student emergencies and accidents, campus safety maintenance, traffic safety education, military education, anti-drug project, and disaster prevention management, etc.

## STUDENT COMMUNITY SERVICES

Local community services, including service for aborigines and disadvantaged minorities, are also emphasized by the Office of Student Affairs. After having the opportunity to provide service, students can share their learning experiences with younger students in their local areas and contribute their knowledge and skill to others. Through participating in all kinds of service activities on campus and in the local community, students can develop a strong concept of teamwork and grow as an unselfish individual.

# College of Liberal Arts



## FEATURES

Ever since its establishment in 1969, the College of Liberal Arts has strived to create and sustain an environment that is culturally inspiring and intellectually challenging. The students are encouraged to explore the human condition from different perspectives under the astute guidance of the faculty members who have shown outstanding scholarly performance in both research and teaching.

The College aims to cultivate students well versed in both Chinese and Western scholarly traditions, and dedicates to promoting the understanding of local cultures while maintaining a global connection. In addition to the core curricula offered by departments and graduate institutes, the College has also established specialized programs and offered courses to support students in developing manifold skills and the ability to integrate knowledge. The Teaching Chinese as a Second Language Program is set up to meet the global need for the Chinese language teachers, and the Humanities Digital Archives and Value-Added Application Program offers courses to equip students with knowledge concerning digital archival collections. The Deer Cultural Heritage Center offers training courses and internship opportunities to develop students' skills in news coverage and editing, as well as media and image production and broadcasting. The Language Center is the greatest

foreign language test site in scale and scope in central Taiwan, and it also offers a Chinese course package intended for non-native speakers and international students.

In 2014, the College established the International PhD Program in Taiwan and Transcultural Studies, which aims to develop interdisciplinary, cutting-edge research in the humanities, and is dedicated to training prospective professionals who are able to integrate local knowledge from global perspectives.

## STATUS

The College of Liberal Arts includes the Department of Chinese Literature (BA, MA and PhD programs), the Department of Foreign Languages and Literatures (BA and MA), the Department of History (BA, MA and PhD), the Graduate Institute of Library and Information Science (MA), the Graduate Institute of Taiwan Literature and Transnational Cultural Studies (MA), the International PhD Program in Taiwan and Transcultural Studies, the Language Center, and the Deer Cultural Heritage Center. There are nearly 80 full-time faculty members and 80 adjunct faculty members, two of whom are researchers affiliated to National Museum of Natural Science. The number of students in the College is about 1,500, including 50 international students and exchange students.

In addition to regular classrooms, seminar rooms and



computer labs, several special rooms are reserved for particular courses, such as Calligraphy, Chinese Opera, Music Appreciation, and Cinematic Historiography. The Language Center also reserves a self-learning section equipped with multimedia software for language learning. A newly-built building for the College has been in use since the beginning of 2015.

The faculty members of the College place equal importance on both teaching and research, and the course planning also seeks to strike a balance between theory and practice. The College is dedicated to fostering students' humanities literacy, promoting extensive acquisition of knowledge, and broadening students' vision to cover both local and global concerns.

## RESEARCH

The faculty members of the College are known nationally and internationally for their research and scholarly accomplishments. Many of their publications are included in journals of SCI, SSCI, A&HCI, TSSCI, THCI Core, and others. In the years between 2012 and 2016, the faculty members of the College have conducted 93 research projects funded by the Ministry of Science and Technology in Taiwan (MOST) totaling NT\$60.9 million. Professor Kuei-fen Chiu of the Graduate Institute of Taiwan Literature and Transnational Cultural Studies has received the Outstanding Research Award from MOST twice. In the year 2015, Professor Hannes Bergthaller of the Department of Foreign Languages and Literatures received Dr. Ta-You Wu Memorial Award from MOST.

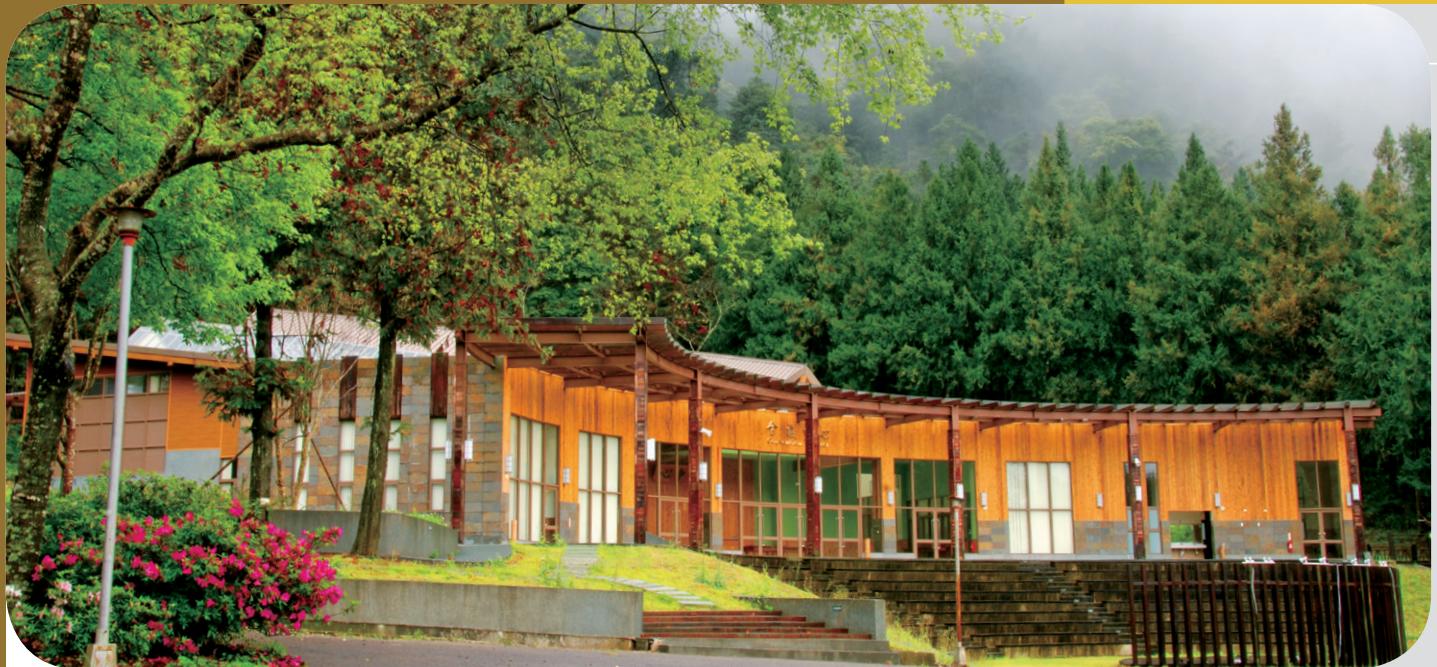
The Department of Chinese Literature has recruited faculty members with expertise in the areas of Chinese Philosophy, Classical Chinese Literature, Chinese Linguistics, Modern Chinese Literature, and Popular Culture Studies. The faculty of the Department of Foreign Languages and Literatures has remarkable performance in research on Ethnic Studies, Aboriginal Literature Studies, Gender Studies, Asian-American Studies, Posthumanism Studies, Globalization Discourse, Environmental Discourse, Children

Literature Studies, James Joyce Studies, and Cyber Literature Studies. The department also places equal importance on research in Linguistics and Culture, and Pragmatics. The Department of History focuses research in the following areas: Chinese Socio-Economic History, History of Foreign Relations and World History, Intellectual History, Historiography, and History of Taiwan. The Graduate Institute of Library and Information Science has focused their research on Library Services and Management, Information Organization and Retrieval, Knowledge Management and Information Systems, Scholarly Communication and Information Behavior, and Digital Archives and Value-added Applications. The Graduate Institute of Taiwan Literature and Transnational Cultural Studies pioneers research that moves beyond the traditional discipline of Taiwan literature towards an interdisciplinary subject. Their faculty members are dedicated to promoting international collaborative networks and situating the research of Taiwan literature and culture in transnational contexts; they are also committed to helping Taiwan society through active engagement of and communication with national and international academic communities. The International PhD Program in Taiwan and Transcultural Studies focuses on the study of Taiwan cultures from a broadly comparative perspective in a global context.

## VISION

- To provide a better environment for foreign language teaching and learning.
- To continue the efforts to strengthen our students' competitive capability in a global environment.
- To promote international academic exchanges.
- To establish a digital center for the humanities archive in cooperation with the Research Center for Humanities and Social Sciences of NCHU.
- To integrate internal and external resources to position the college as the cultural and artist center in central Taiwan.

# College of Agriculture and Natural Resources



## FEATURES

The College of Agriculture and Natural Resources places emphasis on teaching and research in the areas of sustainable farming, natural resource conservation and management. The goal is to cultivate modern youth with integrated, creative, and globalized ability. The identity of the College is to develop sustainable and innovative agricultural science and to build harmony and safe natural environment. Students are required to develop the core abilities of application of professional and innovative technology, inter-disciplinary learning, communication and cooperation, and implement of human nature.

The College has a proud history in designing and promoting strategic plans for agricultural production, rural development, and natural resource conservation in Taiwan. Many pioneering experts in society who have contributed to the foundation and continuous growth of the agricultural development in Taiwan graduated from the College of Agriculture and Natural Resources. Several alumni of the College have been appointed as the Minister of the Council of Agriculture for the central government. In addition, the College strengthens communication and cooperation with non-agricultural sectors in local communities and promotes international

contacts, exchanges, and cooperation. Through a dynamic educational system, innovative research program, and down-to-earth extension services, the College is continuously advancing.

In an official review conducted by the Ministry of Education of Taiwan in 2005, the College was awarded the honor of being declared the top higher-educational agricultural institution among all the major universities on Taiwan. The faculty and staff are dedicated to internationalization of the College, providing the students and faculty members with a broader vision of their career possibilities. The College continuously offers broad and in-depth study-abroad activities for the students, and is also willing to provide services to the youth in other parts of the world by offering them opportunities in various academic units. It is the collective ideal of the university to build up a global campus.

## STATUS

The College now contains 22 teaching units including 11 departments, 2 graduate institutes, 5 master programs, and 4 bachelor programs. Also, there are 14 affiliated units for extension service.

Eleven of the departments in the College offer both



undergraduate and graduate programs: Agronomy, Horticulture, Forestry, Applied Economics, Plant Pathology, Entomology, Animal Science, Soil and Environmental Sciences, Soil and Water Conservation, Food Science and Biotechnology, and Bio-Industrial Mechatronics Engineering.

The College runs 14 affiliated units, including Agriculture Experimental Station, Experimental Forest Management Office, Agricultural Extension Center, Horticultural Experiment Station, Experimental Animal Farm, Pilot Plant of Food Science and Biotechnology, Soil Survey and Testing Center, Agricultural Machinery Workshop, Agricultural Automation Center, Agricultural Products Approval and Certification Center, Pesticide Residue Analysis Center, Agricultural Policy Research Center, Center of Land Resources Conservation, and NCHU Mart.

The College currently has about 200 full-time and 60 part-time teaching faculty members, 120 non-teaching staff members, and around 4,500 students, more than 1,500 of which are postgraduate students.

There were more than 1,000 research papers published in international and local academic journals from 2008 to 2011, and 228 invention patents and technology transfers during the past three years.

An international collaborative research center on plant and food biotechnology (NCHU-UCD Plant and Food Biotechnology Center, PFBC) was established jointly with UC Davis in 2012.

In addition, the College was ranked 76th in the field of agricultural sciences by U.S. News 2016 ranking for the best global universities in the world.

Numerous special research achievements were made by the faculty of the College. Just to name a few highlights:

- Application of Molecular Biotechnology on Plant Pathology
- Technology of Organic Agriculture Production and Management
- Animal Transfer Technology
- Research and Application on Biological Chips
- Research and Application on Biological Pesticides
- Research on Animal Genetic and Breeding, Production Management, and Products Utilization
- Research on Health and Leisure Food

## VISION

The College intends to make every effort in the future to continue playing a pivotal role in agricultural and natural resources education, research, and extension to meet the challenges of agricultural and natural environment development in Taiwan. The following aspects are identified as major goals in the upcoming decades:

- To reinforce research, teaching, and outreach regarding sustainable farming, biotechnology, and natural resources conservation and protection.
- To strengthen communication and cooperation with nonagricultural and local communities.
- To increase international cooperation in agriculture and natural resources.



# College of Science



## FEATURES

The College of Science combines four major fundamental areas of scientific research: Chemistry, Mathematics, Physics, and Computer Science. Over the past 50 years, our excellent faculty has contributed extensively in all of these research fields. We offer a comprehensive set of educational experiences for both graduate and undergraduate students. The goal of the College of Science is to provide fundamental and advanced education in natural science to train researchers to innovate and to become leaders in industry, academia, and the government in the career of their choice.

## STATUS

The Department of Chemistry provides BS, MS, and PhD programs; it presently has 216 undergraduate students and 183 graduate students. The department also offers basic chemistry courses to approximately 1,800 undergraduate students among five other different Colleges weekly. At present there are 36 full-time faculty members.

The Department of Applied Mathematics provides BS, MS and PhD programs for students developing mathematical models and quantitative techniques that can be implemented for solving problems encountered in the real world. Currently, the department has 28 full

time faculty members, 333 undergraduate students and 137 graduate students.

Founded in 1987, the Department of Physics is very young, compared to most other physics departments in Taiwan; today the Department has established itself as the best and most important physics department in central Taiwan. With 26 full-time professors and 2 teaching assistants devoting themselves to teaching physics that ranges from the deepest and most fundamental to highly interdisciplinary, the Department offers NCHU's students as well as students from universities and schools nearby invaluable learning opportunities. The Department has more than 80 graduate students and 250 undergraduate students.

The Department of Computer Science and Engineering provides BS, MS, and PhD programs. Currently, the CSE department has 19 faculty members, 184 undergraduate students, and 343 graduate students. The faculty members have expertise in the design and development of computer software and hardware. There are more than 19 labs, including a networking and switch systems lab, an image processing and multimedia database lab, an information security lab, a VLSI/CAD lab, and others. In 2011, a cloud computing lab was established with facilities supporting teaching and research on programming for cloud computing, virtualization technology, and cloud data center networks.

<http://science.nchu.edu.tw/>  
e-mail : scie@nchu.edu.tw  
Tel : 886-4-22861528  
Fax : 886-4-22853870



## RESEARCH

The Department of Chemistry conducts about forty projects annually, with a total funding of more than NT\$6 million from the Ministry of Science and Technology. More than 90 high impact papers and patents were published each year including the Science article "Porphyrin-Sensitized Solar Cells with Cobalt(II/III)-Based Redox Electrolyte Exceed 12 Percent Efficiency" in 2011.

The research in the Department of Applied Mathematics ranges from statistics, to computational science, and to related fields of mathematics. Combining mathematical theories with computer technology, researchers in this department devote to solving problems from various fields of applications, such as applied statistics, applied mechanics, and applied analysis. The department also emphasizes the cooperation with industry and other research institutes by engaging in interdisciplinary research to tackle complicated problems.

Research in the Department of Physics explores nearly all representative frontiers of physics, including nanoscaled structures and devices, novel magnetic and superconducting materials, quantum computation, thin-film devices, scanning probe microscopy, statistical mechanics of biomolecules and biomembranes, single electronics, biophysics, and novel solar cells. Armed with state-of-the-art facilities, an excellent physics library, and close collaboration with outstanding faculty members in the Schools of Engineering and Life Sciences, the Department's faculty and students are making exciting progress frequently.

The research in the Department of Computer Science and Engineering focuses mainly on embedded systems, networking and multimedia systems, and intelligent systems. The CSE Department is committed to strengthening its teaching and research in fields such as

cloud computing and services, big data analysis, green information technology, and smart phone application development. The CSE Department will also focus on interdisciplinary collaboration on intelligent machine tools, intelligent agriculture, bioinformatics, and biomedical engineering.

## VISION

According to a report by the Higher Education Evaluation and Accreditation Council of Taiwan (HEEACT), the National Chung Hsing University was ranked No. 121 worldwide in the field of Computer Science; in the 10-year ranking system announced on Jan. 5, 2012, NCHU was ranked among ESI top 1%, the Department of Chemistry was ranked 256 in the world in 2013. In another report by Web of Science, NCHU was ranked No. 11 in imaging science. It is essential for our university to promote a rewarding climate for teaching and research in order to gain recognition. Our goals are:

- To encourage the faculty to have close collaborations with faculty and students in other departments and universities, and to publish research papers and build connections with the world.
- To expand our focus from the traditional realm of physics to new frontiers of interdisciplinary research such as nanosciences, nonlinear sciences, biophysics, quantum computing, etc.
- To strengthen teaching and research in response to the paradigm shift toward cloud computing, green computing, and big data analysis.

# College of Engineering



## FEATURES

Founded in 1961, the College of Engineering is committed to excellence in finding technical solutions for challenging problems, while preparing highly skilled engineers and academic elites to spearhead the industry and advance the technological development of Taiwan. We are ranked among the world's best 200 engineering Colleges, and all departments and graduate institutes of the College have passed the Engineering and Technology Education Certification accredited by Institute of Engineering Education Taiwan.

The College also acts as a resource for industry by providing technology transfer and technical assistance. Central Taiwan is the headquarters of Taiwan's precision machinery and tool industries. Our aim is to continuously put innovations and discoveries into the hands of the public and private sectors.

## STATUS

The College is comprised of 6 departments, 4 graduate institutes, and 4 research centers. College also fosters the Center for Research and Development of Engineering Technology, the Men Yao Chip Center, the NCHU Machine Shop, and the Metal Research and Development Center. The College has more than 150 faculty members with PhD degrees and nearly 4000 students, including approximately 2000 undergraduate

students, 1500 master's students and 450 doctoral students.

## RESEARCH

### Distinguished Performance and Honors

- The College of Engineering at NCHU ranks 289th in the world according to the "2015 Performance Ranking of Scientific Papers for World Universities."
- Our research performance in Engineering and Materials Science is listed within the top 1% of the universities worldwide by Essential Science Indicators in 2015.
- 2 faculty members are elected as IEEE fellows in 2012 and 2015.
- 5 faculty members in the College have received the "Outstanding Research Award" and 6 young faculty members received the "Ta-You Wu Memorial Award" from the Ministry of Science and Technology of Taiwan for their outstanding contribution in scientific research.
- 2 faculty members in the College have been awarded the NCHU Chair Professorship for their extraordinary research performance.
- 2 faculty members received "The Industry-Academic Contribution Award" granted by the Taiwan Association of Machinery Industry.



## Research Highlights

**Civil Engineering:** concerned with infrastructures in structural engineering, hydraulic engineering, geotechnical engineering, geomatics, hazard assessment and mitigation of natural disasters. The department has cutting-edge test facilities for development and testing of new theory and construction materials.

**Mechanical Engineering:** The department faculties' research fields are on various disciplines in mechanical engineering while emphasize on collaboration with industry, including advanced manufacturing technology, system design and control, micro-electromechanical systems, biomedical engineering, solid and fluid mechanics as well as thermodynamics and energy systems.

**Environmental Engineering:** The department focuses on sustainable use of water resources, management of air resources, renewable resources and energies, soil and groundwater resources, environmental management and analysis technology, and green energy technology.

**Electrical Engineering:** The department involves four major research groups, focusing on communication and information, systems and control, electronics, and system-on-chip technology. The department also runs the Men Yao Chip Center, a leading IC design institution in central Taiwan. The center trains IC chip designers for the electronics industry and cooperates with companies for advanced chip design projects.

**Chemical Engineering:** The department emphasizes the research areas of advanced materials and precision chemical processing, biomedical and biochemical engineering, as well as polymer materials and nanotechnology, for the applications in the range of the chemical industry, optoelectronics and information, semiconductor devices and materials, electronic package, medical materials and pharmaceuticals, biological and energy, to nurture new generation of chemical engineer.

**Materials Science and Engineering:** The department focuses on the field of materials processing, including nanotechnology, plasma processing, nano-

optical device fabrication, surface technologies, and micro-joining, and the field of functional materials, such as nano-materials, biomaterials, future data storage materials, high temperature materials, and optoelectronic, sensor and energy materials.

**Precision Engineering:** This institute promotes interdisciplinary of mechanical, optical, materials, electrical and computational engineering concerned with designing devices, machines and structures that have low tolerances, repeatable properties over time and have applications in MEMS, NEMS, optoelectronics, machine tools, display, automation fields.

**Optoelectronic Engineering:** This institute operates the Optoelectronic and Semiconductor Devices Fabrication Center, which provides facilities for research of fabrication and analysis of solar cells, light-emitting devices, photodetectors, flat-panel display devices, and organic optoelectronic devices.

**Communication Engineering:** The research interests of the institute include communication systems, network technologies, and signal processing. The institute seeks breakthroughs in communication theory, develops advanced communication systems, and supports the local communication-related industries.

**Biomedical Engineering:** This institute integrates engineering, biotechnology and medical science to develop new materials and devices for clinical diagnosis and treatment. The research interests include tissue engineering and regenerative medicine, nanotechnology applications and biophotonics, microfluidic chips and biochips, electrophysiological stimulation and interface.

## VISION

- To develop the College into a global academic leader in central Taiwan.
- To serve as a cradle of innovation, creativity and entrepreneurship.
- To promote outstanding engineering education throughout the world.
- To perform as a fountainhead of frontier technologies and facilitator of industrial development.

# College of Life Sciences



## FEATURES

The College of Life Sciences has recruited excellent faculty members with different academic backgrounds, especially in the areas of medical science, ecology and biodiversity. We have a strong emphasis on research and our research accomplishments have been published in major academic journals such as *New England Journal of Medicine*, *Cancer Cell*, *Nucleic Acids Research*, and *Journal of Cell Biology*.

The goal of our College is to cultivate students with professionalism in life sciences, leadership, global perspective, the ability to solve problems, interdisciplinary integration, and innovative ideas. The College of Life Sciences also provides students with a high quality core curriculum and offers the only In-service Master Program in Life Sciences in Taiwan.

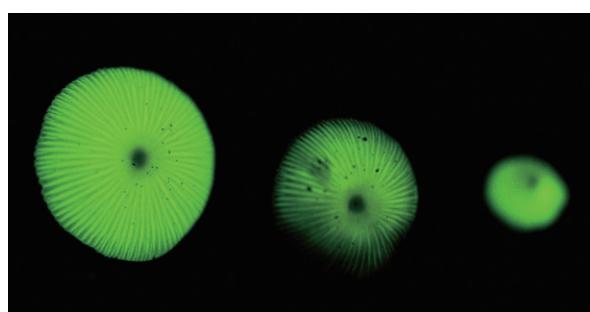
## STATUS

Established in 1994, the College of Life Sciences has been a leading research-oriented institute with excellent faculty members and core facilities in central Taiwan. Our research areas span from basic science education and basic research to biotechnology and conservation. The College of Life Sciences comprises the Department of Life Sciences (with BS, MS, and PhD programs), the Institute of Molecular Biology (MS

and PhD), the Institute of Biochemistry (MS and PhD), the Institute of Biomedical Sciences (MS and PhD), the Institute of Genomics and Bioinformatics (MS), PhD Program in Medical Biotechnology (PhD), PhD Program in Translational Medicine (PhD) and an In-service Master Program in Life Sciences, the Center for Global Change Biology and Rong Hsing Research Center for Translational Medicine.

The College has a total of 62 faculty members. In addition, we have also recruited several adjunct professors from Academia Sinica, the National Health Research Institute, the National Museum of Natural Science, and Taichung Veterans General Hospital to promote academic collaboration and teaching.

Our excellent facilities and laboratories are equipped with state-of-the-art equipment, including but not limited to a FACS Sorter, a high resolution quadruple/





time-of-flight MS, an isothermal titration calorimeter, an ultra-centrifuge, a total internal reflection fluorescence microscope, a real time PCR system, a multi-functional analyzer, and a flow cytometer.

## RESEARCH

Life sciences are the basic and applied sciences that investigate the inner workings of animals, plants, and microorganisms. Life sciences is a quickly developing and pioneering area of research. The research areas of the College of Life Sciences include ecology, zoology, botany, microbiology, and medical sciences, as well as interdisciplinary areas.

### Main Research Areas

#### Department of Life Sciences

- Biodiversity
- Animal / Plant physiology
- Biotechnology

#### Institute of Molecular Biology

- Gene function and regulation mechanism
- Enzymatic catalysis and biomedical applications
- Chromatin structure and epigenetics

#### Institute of Biochemistry

- Structural biology
- Transcriptional and translational regulation of genes
- Interactions of plants and pathogens

#### Institute of Biomedical Sciences

- Cancer research
- Molecular genetics
- Immunology and DNA vaccines

#### Institute of Genomics and Bioinformatics

- Systems biology
- Molecular modeling and drug design

#### PhD Program in Medical Biotechnology

- Genomic medicine
- Biomedical information technology development
- Structural bioinformatics and drug development

#### PhD Program in Translational Medicine

- Translational medicine
- Case study for translational medicine

#### Research Center for Global Change Biology

- Marine / Wetland / Forest / Agricultural ecosystems
- River and stream ecosystems

#### Research Center for Translational Medicine

- Immunology and inflammation / Cancer research
- Microbiology and infectious disease
- Biomedical engineering and biotechnology

## Research Performance

The faculty of the College of Life Sciences publishes over 230 articles annually in SCI journals such as the New England Journal of Medicine, Cancer Research, and EMBO J. The average number of publications for each faculty member is 3.8 per year. Four faculty members in the College of Life Sciences have received the "Outstanding Research Award" from the Ministry of Science and Technology for their extraordinary performance in research in the following fields:

**Cell biology** – mechanisms in cell migration and invasion

**Cancer research** – molecular mechanism of cancer metastasis, and functional genomics

**Biochemistry** – structural studies of *Xanthomonas campestris* and *Stenotrophomonas maltophilia*

In addition, nine faculty members in the College of Life Sciences have received Distinguished Professorship positions for their exceptional contributions in research of life sciences.

## RESEARCH GRANTS

Research grants awarded to the College of Life Sciences total in approximately USD \$4 million annually.

## VISION

- To make the College more competitive as a whole, both nationally and internationally.
- To promote inter-institute and intra-institute collaboration to enhance our international visibility.
- To integrate available resources to create top-quality research projects.
- To make College-wide resources accessible to promote teaching and research.

# College of Veterinary Medicine



## FEATURES

The College of Veterinary Medicine, established in 1999, includes the Department of Veterinary Medicine, the Graduate Institute of Microbiology and Public Health, and the Graduate Institute of Veterinary Pathobiology, as well as the Veterinary Medical Teaching Hospital and Animal Disease Diagnostic Center. It provides a clinically-oriented doctor of veterinary medicine (DVM) program supported by all the faculty members and affiliated units. The mission of the College of Veterinary Medicine is to advance animal and human health through education, research and service.

The College of Veterinary Medicine also integrates the functions of the Veterinary Medical Teaching Hospital and the Animal Disease Diagnostic Center, which in all units advances the teaching, research, and clinical service of veterinary medicine.

## STATUS

Presently, the College comprises of three academic units and two affiliated units. The undergraduate program is clinically-oriented to meet our society's demands for quality veterinary clinicians providing medical services to companion animals as well as

economic animals. Extra efforts are invested in specific research areas such as zoonotic studies, public health, laboratory animal medicine, and molecular biology.

The faculty members of our College are grouped depending on their fields of specialization. They are

- Aquatic and wildlife animal disease diagnosis
- Basic science
- Cancer research
- Companion animal clinical medicine
- Companion animal disease diagnosis
- Economic animal disease diagnosis
- Food safety and toxicology
- Large animal clinical medicine
- Vaccine development
- Zoonosis

This arrangement has proven to be very efficient in terms of human and material resources for achieving a high standard of clinical teaching and collaborative researches in conjunction with the use of the facilities at the Veterinary Medical Teaching Hospital and the Animal Disease Diagnostic Center. We are dedicated to providing comprehensive teachings in basic sciences and clinical medicine so that our graduates can have a balanced education in veterinary sciences.



Besides training veterinarians, we also strive to raise the level of veterinary research and education to an international standard. Through the enhancement of extension services by the Animal Disease Diagnostic Center and the expansion of the Veterinary Medical Teaching Hospital to a Veterinary Medical Center, we envision the College of Veterinary Medicine at National Chung Hsing University as being the most comprehensive in Taiwan and competitive in the world.

## RESEARCH

Many outstanding articles from the College of Veterinary Medicine have been published in international journals and have been selected either as featured article, cover story, best paper of the year, or as continuing education credits. The performance in the field of veterinary sciences by the Web of Science citation index is outstanding.

As a distinguished alumna of the Department of Veterinary Medicine, Chair Professor Li-Huei Tsai has been elected as the youngest academician of Academia Sinica. Professor Tsai focuses on the development of new drugs for elderly dementia. Three faculty members in the College of Veterinary Medicine have received the "Outstanding Research Award" from the Ministry of Science and Technology (MOST) of Taiwan. One faculty member has received the "Outstanding Technology Transfer Contribution Award" from MOST.

Faculty members in the College of Veterinary Medicine have solid collaborative relationships with the veterinary medical industry and success in technology transfer. For example, the subunit vaccine of fowl cholera, the subunit vaccine for infectious coryza, and a monoclonal

antibody against H5 influenza virus are now marketed by the industry.

### Department of Veterinary Medicine

- Basic veterinary science
- Basic medical science
- Livestock and poultry disease diagnosis
- Food safety and public health
- Clinical veterinary medicine
- Laboratory animal medicine
- Small animal medicine
- Large animal medicine
- Exotic animal medicine and clinical research

### Graduate Institute of Microbiology and Public Health

- Development and application of biotechnology to disease prevention
- Vaccine development
- Surveillance, epidemiology and risk assessment of zoonoses

### Graduate Institute of Veterinary Pathobiology

- Toxicology
- Diagnostic analysis system
- Vaccine development and application

## VISION

- To pursue excellence in veterinary education and research and to promote animal and human health.
- To strengthen domestic and international collaboration.
- To enhance the extension service of the Veterinary Medical Teaching Hospital and Animal Disease Diagnostic Center.



# College of Management



## FEATURES

Formerly known as College of Social Sciences and Management, in August 2011 the College was reorganized and renamed to College of Management. We offer five 4-year BBA programs, nine 2-year MBA programs, and three PhD programs in various academic fields, including Accounting, Business Administration, Finance, Management Information Systems, Marketing, Sports and Health Management, and Technology Management. Our MBA in Technology Management and PhD in Technology Management are taught entirely in English.



## STATUS

Our remarkable performance in research and teaching ensures the sustainability and quality of the College. We are keen to launch new research interests in Finance, Sports Management and Technology Management. On a regular basis, the College coordinates forums and workshops for faculty member to exchange knowledge and spark new ideas. For the impact of globalization on the future youth, we develop Entrepreneurship Program and internship program for students. We also work with local/international business and invite recognized business leaders to share their stories in the class.

Since 2009, the College has applied to be accredited by Association to Advance Collegiate Schools of Business International (AACSB). Our curriculums incorporate international perspectives and highlight specialized skills and technologies. In the long run, the College of Management surely demonstrates its quality assurance after a series of continuous improvements during the accreditation process.

### Faculty

At present, there are 78 faculty members in the College of Management including 49 professors, 19 associate

<http://www.com.nchu.edu.tw/>  
e-mail : [cssm@nchu.edu.tw](mailto:cssm@nchu.edu.tw)  
Tel : 886-4-22840808  
Fax : 886-4-22856233



professors, 10 assistant professors. To leverage the continuous changes in the academic and business worlds, we are in search of outstanding candidates to join our faculty and are committed to excellence in teaching, learning, research and community services.

#### International Collaborations

To strengthen international exposure, we have established strong connections with various overseas universities by conducting collaborative research projects, organizing conferences, and offering dual master degree programs and exchange programs. Our College has continuously attracted students from America, Europe and Asia.

#### RESEARCH

The College of Management has a mission to continuously promote academic innovation that strengthens our research portfolio and output. Our faculty members have published 375 articles in high-ranked journals over the last five years. Close to USD\$1.2 million funding are received in competitive research grants every year while approximately 95% are from government agencies, and the rest are from

non-government organizations. In 2014, faculty move toward joint research with private organizations, particularly with regional industries. An annual increase of 6% of funding since 2014 reflects our strong commitment to university-industry collaboration.

#### VISION

- To develop knowledge drawn primarily from the Central Taiwan region that aims to benefit the industry, government, and the community
- To develop a curriculum that educates students to be competent business professionals with global vision, ethical principles, and innovation, and ensure the quality of the curriculum by systematic evaluation process
- To be the resource hub for interdisciplinary cooperation between the university, industry, the researcher, the students and the alumni



# College of Law and Politics



## FEATURES

Founded in 2011, the College of Law and Politics comprises one department and three graduate institutes, which all originated from the College of Social Science and Management. The College has a reputation for excellence in teaching and research, and it has links with professionals, industry and non-governmental organizations. It aims to increase the range of knowledge and understanding in the areas of law, politics, public affairs and professional education, so as to prepare our graduates for their future careers and to make contribution to society. The core value of the College is to pursue excellence in research and teaching.

The College offers bachelor's, master's and doctoral programs for local and international students. As of 2015, there are about 661 students in the College, including 182 undergraduates, 479 postgraduates students.

## STATUS

The College comprises the Department of Law, the Graduate Institute of International Politics, the Graduate Institute of National Policy and Public Affairs, and the Graduate Institute of Professional Development for Educators. Overseas students are welcome to apply for postgraduate studies if they hold a bachelor degree and produce evidence of proficiency in written and spoken English or Chinese adequate for their course of study.

## The Department of Law

The Department of Law, formerly the Department of Financial and Economic Law, was established in 2001. It has developed into one of the leading law departments in Taiwan. Its teaching standards and research quality have received wide recognition among legal professionals and the industry. The Department of Law offers a curriculum leading to the Bachelor of Law (LL.B.) and Master of Law (LL.M.) programs. The four year LL.B. program provides extensive courses on Taiwanese law, such as constitutional law, civil law, criminal law and administrative law. Students who successfully complete the required courses and diploma requirements will receive their LL.B. degree and are eligible for taking the bar and judicial personnel examinations in Taiwan. In addition to the LL.B. degree, the Department of Law also offers graduate law programs for candidates with a first law degree and non-law degree. The LL.M. programs encourage comparative and international perspectives on science and technology law. This also reflects the approach of the Department.

The Department of Law provides excellent facilities and support for students. The Law Information Center contains over 10,000 volumes of references. Electronic databases, providing access to a wide variety of legal materials, are also available to the Department of Law community.

## The Graduate Institute of International Politics

The Graduate Institute of International Politics (GIOIP)



was founded in 2000 when the University decided to restructure the Office of General Disciplines into the College of Social Sciences, and establish two new schools in the fields of international politics and business administration. GIOIP began recruiting graduate students for the Master's program in April 2000, and initiated the Doctoral program in 2005.

At present, the Institute has 7 tenured faculty members and 115 students. The institute focuses on 3 research areas: Theories of International Politics, International Political Economy, and International Security and Strategic Studies. By utilizing interdisciplinary research methods, emphasizing the connection between theory and practice, and increasing student exposure to various issue-areas, the institute aims at creating an academic atmosphere that will allow students to develop a global vision and enhance their competitiveness in a globalized world.

Since 2000, GIOIP has developed into one of the most prestigious academic institutes in central Taiwan committed to research and teaching in international relations, and will continue to do so in the future.

#### **The Graduate Institute of National Policy and Public Affairs**

The Graduate Institute of National Policy and Public Affairs was established in 2006, aiming at becoming the most important research base on public affairs in central Taiwan. Presently, the Institute has about 110 students doing the master programs. It has 7 full-time faculty members with varied background and research interests. The main goal of the Institute is to cultivate and improve the analytical capacity of students on public affairs. Graduates have proved themselves to be valuable either in public or private sector. The curriculum design focuses on inter-disciplinary research method, the combination of theory and practice, the application of knowledge and theory, the training researchers and professionals in policy analysis and the feedback to society.

#### **Teaching Goals**

- To cultivate students to become humanities and social accomplishment and professional public

managers of public affairs management.

- To cultivate students to become policy analysis experts, training students on policy analysis techniques.
- To cultivate students to become public affairs and policy of academic research talents.

#### **Graduate Institute of Professional Development for Educators**

The Graduate Institute of Professional Development for Educators was formally founded in 2007, focusing on theoretical and practical research on professional development for educators. As of 2015, it has a total of 21 students doing the master's programs. The 8 full-time faculty members are dedicated to providing students with certain core competence, such as administration and communication, critical thinking, professional ethics, international comparison and theoretical foundation.

#### **Tricontinental Master Program in Global Studies**

The program duration is 4 semesters. Students are required to study at Germany, Taiwan and Mexico in the first three semesters. They will take courses covering areas including business management, law, economics and cultural studies. Upon completion of the courses, a dissertation is also required as a fulfillment for the degrees of Master (MSc, Karlsruhe University; MA, National Chung Hsing University).

Graduates may work in public or private sector in Taiwan with international aspects. The master graduates have access to doctoral studies.

The students are expected to

- have comprehensive knowledge in the areas of business studies, law, economics, and management;
- widen their view on international and intercultural issues, and be open-minded towards different cultures;
- be able to work in a team and practically-oriented;
- have very good English-language proficiency, after the program.

# Biotechnology Center



<http://btc.nchu.edu.tw/>  
e-mail : [btc@nchu.edu.tw](mailto: btc@nchu.edu.tw)  
Tel : 886-4-22840450  
Fax : 886-4-22861905

## MISSION

The Biotechnology Center (BTC) at NCHU is the first genetic engineering research center established in Taiwan. BTC coordinates and integrates multidisciplinary faculty to pursue excellence in teaching, research and service. BTC bridges the fundamental research and the practical applications of biotechnology to enhance collaboration between academia and industry, aiming to advance biotechnological industries in Taiwan.

## CURRENT STATUS

### Teaching

BTC educates high-quality graduate students via two inter-institutional Ph.D. programs in cooperation with the National Health Research Institute (NHRI) and Academia Sinica. Two additional programs, funded by the Ministry of Education (MOE) and the Ministry of Science and Technology (MOST) are designed to train Ph.D. students and postdoctoral associates who are interested in joining biotech industries.

### Research

BTC provides services and facilities for research related to genomics and proteomics. BTC collaborates with the Agricultural Biotechnology Center of Academia Sinica in a project founded by the MOE. BTC also operates the "NCHU-UC Davis Plant and Food Biotechnology Center" funded by the MOST, and the "Rice Genome Center" in cooperation with Academia Sinica; coordinates research funds to promote interdepartmental and international cooperation for biotechnological research; and operates

bilateral cooperation plans with medical and agricultural research institutes in Taichung.

### Services

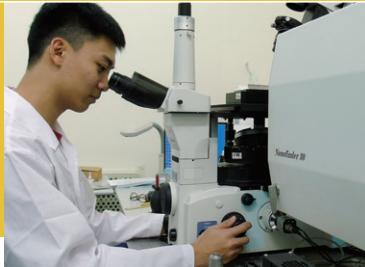
BTC provides academic services to the biotech entrepreneurs and the publics. BTC regularly hosts symposia and training workshops to distribute new discoveries and techniques. Core laboratory facilities include DNA sequencing, biochips and RT-q PCR analysis, peptide and protein mass determination with MALDI-TOF and LC-MS/MS system, flow cytometry, GMO green houses and field facilities, walk-in plant growth chambers, high-throughput NGS sequencer, and NMR spectroscopy. BTC is established to supervise: 1). Radiation safety; 2). Recombinant DNA and biological safety; 3). Regulation of animal rights; and 4). Biomedical and behavioral research involving animals and humans. BTC is committed to promoting academia-industry cooperation.

BTC is dedicated to: 1). personnel training and development via excellent teaching and research programs; 2). Development of cutting-edge techniques for biotech industries; and 3). cooperation with domestic and international institutes for novel technology development.



# Research Center for Sustainable Energy and Nanotechnology

<http://nanocenter.nchu.edu.tw/>  
e-mail : nanocente@nchu.edu.tw  
Tel : 886-4-22840502  
Fax : 886-4-22851149



## MISSION

- To educate, and mentor a diverse population of students at undergraduate and graduate level in nanoscale science and engineering.
- To promote collaborations and integrate the research resources in sustainable energy and nanotechnology.
- To enrich and reinforce research infrastructure for sustainable energy and nanotechnology.
- To foster potential research teams as international competitiveness.
- To exploit on-campus R&D and expertise of sustainable energy and nanotechnology for industry-oriented innovations.

## STATUS

Research Center for Sustainable Energy and Nanotechnology (RESEN), formally known as The Center of Nanoscience & Nanotechnology (CNN), was founded in 2003 to achieve world-class research and to foster future talents in nanoscience and nanotechnology. In viewing that energy shortage becomes a major problem of human living and international trends, the center devote to the topic of energy-related research. Precede with former research teams of nanotechnology, the center was expanded as Research Center for Sustainable Energy and Nanotechnology in 2014.

The RESEN provides the opportunities for the research of sustainable energy and nanotechnology, thus a core facility laboratory has been established to serve as a central platform for integrating inter-disciplinary collaboration. Such core facilities include High-Resolution Transmission Electron Microscope, Ultrahigh Vacuum Scanning Probe

Microscope, Atomic Force Microscopes, Confocal Micro Raman/PL Microscope, Field Emission Scanning Electron Microscope and others. In addition, the Nano-Material Measurement Laboratory of the RESEN offers a certificated platform for services of industrial production measurement. These services can provide Nano-tag certifications for the materials with nano-sized, besides more than 80 nano-properties are included.

The task of the RESEN is to construct a platforms to integrate on-campus R&D and expertise of related topics for industrial-oriented innovations, led by distinguished professors focusing on directions of environmental strategy, materials and devices for green energy, medical and green related nanotechnology. The RESEN also devote to develop the critical materials for the applications of industrial technology, modern agriculture, and so on. Base on this platform, there are great advantageous for cooperative programs between industry and academy to all aspects of future advances in sustainable energy and nanotechnology.

## VISION

- To strength our network as a research foundation for the RESEN that endeavor the funding and sources from governmental and industrial.
- To provide more learning opportunities for undergraduate and graduate students.
- To promote educational & technology innovation for collaborators of regional campuses.
- To strength nano-related facilities for academia and industry.

# Research Center for Humanities and Social Sciences



<http://rchss.nchu.edu.tw/>  
e-mail : [nchuhum@dragon.nchu.edu.tw](mailto:nchuhum@dragon.nchu.edu.tw)  
Tel : 886-4-22840708  
Fax : 886-4-22855020

## MISSION

The mission of the Research Center for Humanities and Social Sciences includes research, teaching, and knowledge sharing. The main tasks of the Center are as follows:

- To draft university-wide research and development plans for humanities and social sciences, improve teaching quality, and establish a platform to facilitate research, teaching and community outreach.
- To nurture a new generation of cross-disciplinary scholars/teachers, encouraging them to participate in various international academic communities and helping them broaden their perspectives.
- To provide a forum for scholars to exchange professional ideas and knowledge at regional, national, and international scales.
- To establish cooperative relationships with research institutes in Taiwan and abroad, initiating and participating in international academic exchanges, and

raising the university's scholarly reputation in humanities and social sciences.

## STATUS

Founded in 2008, the Research Center for Humanities and Social Sciences (RCHSS) at NCHU is one of the four such centers in Taiwan funded by the Ministry of Education. As the only center of this kind located in central Taiwan, the Center serves as a pivot for regional, national and international academic collaborations.

## VISION

The primary aim of RCHSS is to create a scholarly atmosphere grounded in multidisciplinary empirical research, with emphasis on both theory and practical problem-solving, which not only pursues teaching and learning excellence but also provides an intellectual ground for resolving social and cultural disputes over important local or global issues.



# Center for General Education

<http://cah.nchu.edu.tw/>  
e-mail : cah@dragon.nchu.edu.tw  
Tel : 886-4-22840597  
Fax : 886-4-22857861

## MISSION

The Center for General Education offers general education courses based on NCHU's educational objective: "nurturing educated elites with humanities and science literacy, communication skills, innovative minds, global vision and social consciousness".

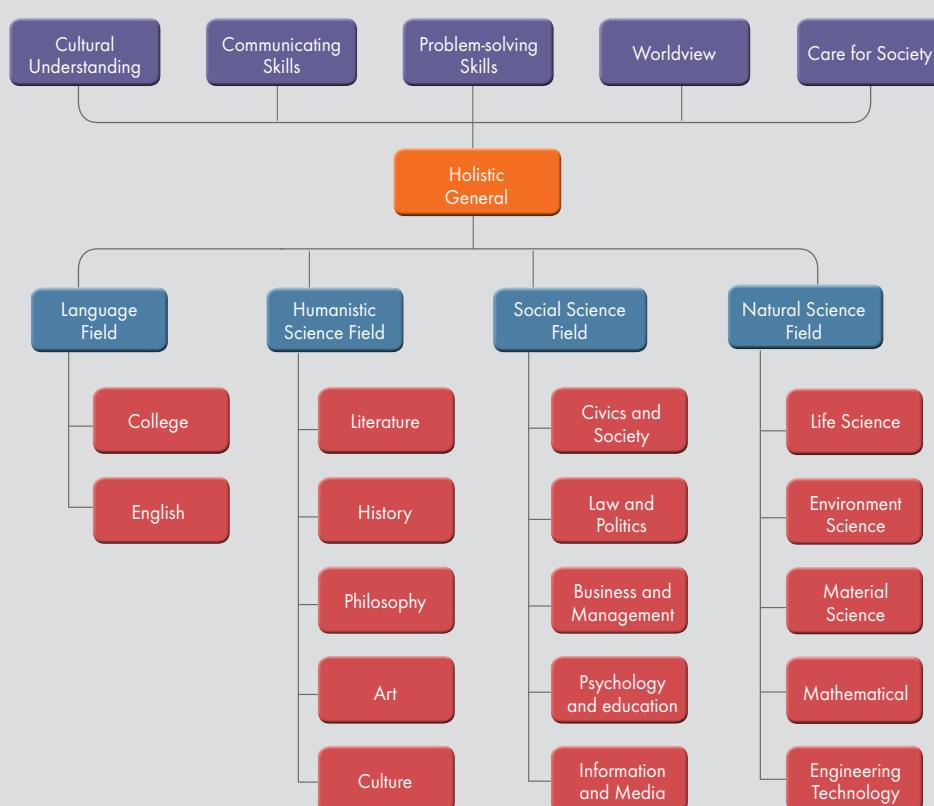
## STATUS

Aimed at broadening students' horizons and providing interdisciplinary learning, the Center for General Education coordinates more than two hundred specialized courses, categorized into four areas and fifteen subjects (as shown

in the chart below), and offers multi-dimensioned practices such as activity-oriented courses, oncampus and long-distance lectures, and ecological forest tours to provide students with multiple learning choices.

## VISION

The Center for General Education has established the "Students' Proactive Learning" system, which integrates and distributes information about special speeches, artistic events and various other activities to students via email, to stimulate students to learn actively and further achieve the Center's educational vision of nurturing polymaths.



# School of Innovation and Industry Liaison (SIIL)



<http://www.siil.nchu.edu.tw/>  
e-mail : [siil@nchu.edu.tw](mailto:siil@nchu.edu.tw)  
Tel : 886-4-22873274  
Fax : 886-4-22850831



## MISSION

Formerly known as the Continuing Education School, the School of Innovation and Industry Liaison (SIIL) has relentlessly pursued the mission of better serving local communities and industries with high quality training programs. Specifically, SIIL aims to offer courses that (1) target at useful knowledge that industries need and that the University can provide, and (2) develop professionals with innovative thinking.

## STATUS

SIIL was ranked as the top affiliate by Taiwanese Central Occupation Development and Training Bureau in 2010. As such, SIIL of NCHU has established a reputation in continuing education in central Taiwan. Currently, SIIL consists of the following four divisions to achieve the above mission and goals:

The Division of Marketing and Planning, which develops and bids for training projects

The Division of Extension and In Service Training, which manages and implements training programs

## VISION

- To cooperate with various sponsoring institutions such as the City Government of Taichung and various government departments to offer diverse classes.
- To play a key role in matching external needs and offering competitive learning programs.
- To provide excellent adult education and training services to the general public and promote public awareness of NCHU's extention education achievements.



# Library

<http://www.lib.nchu.edu.tw/>  
e-mail : [replib@nchu.edu.tw](mailto:replib@nchu.edu.tw)  
Tel : 886-4-22840291  
Fax : 886-4-22873454



## MISSION

The National Chung Hsing University Library is founded in 1961. On September 21, 1999, the devastating 921 earthquake destroyed the original library building. The Library moved into its new building on September 21, 2005. It is a 7 story structure over a basement and offers 2,000 reading seats. The Library provides a wide range of services and facilities as well as an array of resources for users. The Library supports NCHU's teaching and research needs in a variety of subjects. As of 2015, it holds a collection of 857,901 books, 876,472 e-books, 1,317 print serial titles, 43,569 e-journal titles, 363,926 items of audio/visual materials, and a constant growth of resources in all formats.

In addition to typical reading areas and intense study zones, the Library also accommodates several dedicated areas, such as the Learning Commons, the Assisted Reading Area, the Multimedia Center, the Multimedia Makerspace, music areas, research rooms, group study rooms, etc. The Library endeavors to provide a highly accessible and inviting environment to support academic and lifelong learning, and steers toward becoming the

center for academic resources in central Taiwan.

## STATUS

The Library organization is divided into six segments: the Division of Acquisitions and Cataloging, the Division of Collection Management and Circulation Services, the Division of Reference Services, the Division of Digital Resources, the Division of Information Systems, and the Division of University Archives and Special Collections. The Library is responsible for building library collections and serves to support the learning, teaching and research needs of the students and faculty. It has a total of 38 employees, including the University Librarian, 21 certified staff members, 14 contract staff members, 1 maintenance worker and 1 technical assistant.

## VISION

- To create hospitable physical and virtual environments which meet the changing needs of our primary users.
- To be the information hub and intellectual center of our research-oriented university.
- To continue to develop and maintain extensive and up-to-date library information resources.
- To support a broad range of research, teaching and learning activities for the faculty and students.
- To innovate the library services through cutting-edge technologies.
- To provide continuing education for our staff and help them to improve their professionalism.



# Computer and Information Network Center



<http://cc.nchu.edu.tw/>  
e-mail : [ccmail@nchu.edu.tw](mailto:ccmail@nchu.edu.tw)  
Tel : 886-4-22840306  
Fax : 886-4-22871774

## MISSION

The Computer and Information Network Center (CINC) is committed to providing secure and up-to-date IT tools and infrastructure to assist faculty, students and staff in their learning, teaching, research, outreach, administration, and support activities. The CINC also cooperates with the Ministry of Education (MOE) and the Taiwan Advanced Research & Education Network (TWAREN) to promote and provide high-quality networking services in the Taichung area. The CINC earned an MOE rating of “outstanding” three years in a row (2008-2010).

## STATUS

Our services fall into the following categories:

- Administrative Information Systems Development & Services – We design, develop, and manage the necessary administrative information systems for the university's business transactions and record-keeping functions, including academic affairs, student affairs, human resources, payroll, etc.



- Telecommunication and Networking Services – We provide support for NCHU's core networks, Internet connectivity, and telecommunication equipment and functions. We also provide seamless high speed wireless network access for students, faculty, staff and visitors.
- Research Computing and Cloud Infrastructure Services – We use virtualization techniques to provide computing support for student education and research endeavors at the university.
- Software Resources – We provide university members with legal access to a variety of software resources.

## VISION

The CINC continuously strives for excellence, providing the cost-effective IT resources that enable the university to fulfill its many missions.

# General Center for Academia-Industry Collaboration

<http://140.120.49.189/about1.php>  
e-mail : gcaic@dragon.nchu.edu.tw  
Tel : 886-4-22840558  
Fax : 886-4-22851672



## MISSION

In light of the growing importance of the intellectual property economics, the Ministry of Education (MOE) of Taiwan has been consistently promoting policies supporting the academia-industry collaboration. To support such policies, National Chung Hsing University (NCHU) has taken on a broader view of a university's role in modern society and actions, such as enhancing academia-industry collaboration and encouraging research that would meet the needs of society.

Furthermore, NCHU also strives to promote a friendly campus policy for academia-industry cooperation by encouraging faculty members to conduct research that would meet industry needs, thereby strengthening the exchange of professional expertise and resources between university and industry.

## STATUS

The General Center for Academia-Industry Collaboration (GCAIC) of NCHU was founded on 01 August 2014. To activate school assets, increase collaboration, and industrialization, GCAIC focuses on coordinate the internal assets of school and link with outside parties in order to add brand value and share research advantages via multilateral experiences.

To approach this goal, we integrated six modules, including

Incubation Collaborations, Testing Services, Intellectual Property Industrializing, Practical and Coaching, Assets Utilizing, and New Venturing.

## VISION

- To integrate university resources and increase academia-industry collaboration capacity.
- To establish a friendly campus for academia-industry collaboration.
- To nurture talents for academia-industry collaboration and intellectual property (IP) management.
- To provide IP management services to university faculty.
- To promote awareness of and commercialize the R&D achievements of NCHU.
- Corporate Practical and Coaching
- Campus Leasing and Collaborating
- NCHU Trademark Authorizing, Co-Branding, and Jointly-Running



# Art Center



## MISSION

The Art Center was established to immerse everyone in a great atmosphere of art through exhibitions, performances, and various workshops. Our mission is to provide opportunities to nurture our students with international visions of art and their interests through social engagements in the art center. We believe that we can bring peace of mind into life and grow humanity in the heart to cope up with various obstacles in life through a balanced spirit by appreciating the beauty of art.

## STATUS

The Art Center was established in 1988, it is the first art center in a university approved by the Ministry of Education in Taiwan. The art center boasts an exhibition area over

662 square meters and is conveniently located in the heart of Taichung City. Meanwhile, it also provides high quality collection room



CHUNG-HSIANG CHAO, "Wonderful Sunset Before Darkness", Ink Painting, The Art Center's Collection.



LIN ZHUANG, "Back Home at Midnight", Photography, The Art Center's Collection.

that has brought many artists' interests to donate their masterpieces to NCHU. After 28 years' efforts, there are currently over 1,500 collections with a great diversities, rich assortment of art works such as Chinese Calligraphy, Ink Painting, Seal Engraving, Oil Painting, Watercolor Painting, Gouache Painting, Sculpture, Photography and New Media Arts etc. There were already over 17 albums published to extend the influence and contribution of art.

## VISION

For spreading the influence of aesthetics education, we're looking forward to share our collections and exhibitions online in the coming future. This offers everyone a quick access to appreciate numerous valuable art works and also provides a great resource of educational materials for school learning and community activities. With the concept of humanism, the Art Center envisions enriching our collections of both classical and modern and combines the ideas of culture and creativity. Welcome to The Art Center's official website! You may find information for upcoming exhibitions and events here!

We hope to see you soon at the Art Center!



CHI-CHUAN CHEN Memorial Room.

# Alumni Center

<http://alumni.nchu.edu.tw/>  
e-mail : [alumni@nchu.edu.tw](mailto:alumni@nchu.edu.tw)  
Tel : 886-4-22840249  
Fax : 886-4-22854119

NCHU began as the Advanced Academy of Agronomy and Forestry, founded by the Japanese government in Taipei in 1919. Today, more than 145,000 alumni shine in many specialized fields and many of them have become leaders. In order to consolidate its alumni power, NCHU set up the Alumni Center in 1996 to develop a strong alumni network and strengthen NCHU's services to alumni.

The mission of the Alumni Center is to coordinate the worldwide NCHU Alumni Associations, provide campus services and information through multi-channel to the alumni, raise funds to assist the planning and implementations of school projects, and promote cooperation between NCHU and the industries where alumni have a presence. Currently, the Alumni Center is comprised of two divisions: the division of alumni liaison and the division of alumni service. The ultimate goal is to serve as a bridge between alumni and their alma mater, and to unite alumni.

The Alumni Center hosts the Homecoming Festivities such as the outstanding alumni award ceremony, the luncheon banquet, NCHU alumni magazine publication, through

which alumni get together and expand their interpersonal activities. The Alumni center provide NCHU news and set up the career service online community for Alumni.

In addition, more and more alumni donate cash, buildings, facilities, and scholarships to NCHU, the Alumni Center creates funding plans to manage these resources from alumni. The total donated money is now more than NT\$20 million per year, the amount for the student scholarship is uprising every year.

The general headquarters of the NCHU Alumni Association was founded in June 1999, now the branches and activities of the NCHU Alumni Association have spread all over the world, from New York and California in USA to Malaysia, China, and others. It holds activities such as the "Alumni Association Spring Feast" and the "Alumni Association General Assembly" every year.

NCHU's alumni can apply an alumni member card from the Alumni Center. It provides various benefit including discounts for transportation, lodging, dining and shopping in all stores that have an agreement with NCHU, alumni can use the member card to access and utilize campus

resources such as mail account, the main library, the swimming pool, and the facilities in the gymnasium. In addition, NCHU's alumni member can also live in hotel of the Hui-Sun Forest Resorts at a special discount rent.



# Map of the Campus



- 1 Humanities Building
- 2 Language Center
- 3 President's Residence (Ying-Lu)
- 4 Security Office
- 5 Hui-Sun Auditorium
- 6 Student Center
- 7 Small Auditorium
- 8 Women's Dormitory
- 9 Faculty Housing
- 10 Integrated Teaching Building
- 11 Administration Building
- 12 Chemical & Material Engineering Building

- 13 Electrical Engineering Building
- 14 Structural Proteomics Center
- 15 Life Science Building
- 16 Applied Science & Technology Building
- 17 Science & Engineering Building
- 18 Forestry Building
- 19 Water & Soil Conservation Building
- 20 Water & Soil Conservation Building 2A
- 21 Graduate Institute of Microbiology and Public Health
- 22 International Agriculture Center
- 23 Applied Economics Building 2A

- 24 Graduate Institute of Biotechnology
- 25 Center for Advanced Industry Technology and Precision Processing
- 26 Food Science & Biotechnology Building
- 27 Food Science & Biotechnology Processing Plant
- 28 NCHU Mart
- 29 Bank SinoPac
- 30 Animal & Plant Health Inspection Building
- 31 Social Science & Management Building

- 32 Agricultural & Environmental Science Building
- 33 Precision Engineering Building
- 34 Horticultural Experiment Station
- 35 Plant Science Building
- 36 Information Science Building
- 37 Chemistry Building
- 38 College of Science Building
- 39 Ex Agricultural Biotechnology Laboratories
- 40 Applied Economics Building 1A
- 41 Tennis Court
- 42 Civil & Environmental Engineering Building
- 43 Hydraulic Research Lab.
- 44 Men's Dormitory
- 45 Yun-Ping Building
- 46 Library
- 47 Green House
- 48 Mechanical Engineering Building
- 49 Machine Workshop
- 50 Innovation Incubator
- 51 Bio-Industrial Mechatronics Engineering Building
- 52 Mechanical Engineering Building 2A
- 53 Concrete Technology Building
- 54 Men's Dormitory
- 55 Basketball Court
- 56 Volleyball Court
- 57 Tennis Court
- 58 Roller-skating Rink
- 59 Gymnasium
- 60 Golf Driving Range
- 61 Crop Science Laboratory
- 62 Indoor Swimming Pool
- 63 Animal Experiment Center
- 64 Experimental Farm for Agronomy Department
- 65 Experimental Animal Farm
- 66 Animal Science Building
- 67 Veterinary Medicine Building
- 68 Animal Disease Diagnostic Center
- 69 Veterinary Medical Teaching Hospital
- 70 Laboratory Barns
- 71 The Quarantine Station
- 72 Motorcycle Parking
- 73 Parking Lot