

National No. 1

- **Asia's only** Circular Economy Academy
- Industrial Carbon Offset Promotions Office
- **8** Academicians from Academia Sinica

National 1st

- STEM talent cultivation focusing on women worldwide
- National university funded by Ministry of Health and Welfare to establish Employee Children's Daycare Center
- National Food Safety Testing Platform

National Only

- USR Project -Stray LOHAS :
Stray Animals Reduction and Fulfillment of Welfare

Central Taiwan Only

- National Department of Post-Baccalaureate Medicine



College of Liberal Arts

FEATURES

- ◆ Ever since its establishment in 1969, the College of Liberal Arts has strived to create and sustain a culturally inspiring and intellectually challenging environment. 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 is dedicated 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 established specialized programs and courses to support students in developing diverse skills, such as Image processing and computer graphic, web design, digital content curation, GIS, programming, digital storytelling and its application. The College has also set its goals to develop interdisciplinary, cutting-edge research in humanities, and is dedicated to training prospective professionals who can integrate local knowledge from a global perspective.

VISION

- ◆ To provide a better environment for 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 the Humanities and Social Sciences of NCHU.
- ◆ To integrate internal and external resources to position the College as a cultural and artistic center in central Taiwan.



College of Agriculture and Natural Resources

FEATURES

- ◆ Our college is dedicated to advancing sustainable agricultural science and fostering a secure natural environment. We aim to develop students with competencies in practicality, diligence, community service, agricultural sciences, and international perspective. Teaching units focus on food security, agricultural technology, climate change, and sustainable rural development. Affiliated units emphasize small-scale farming, local peculiarity, high-quality agricultural products, and community operations.
- ◆ Annually, our college offers 1,500 interdisciplinary courses in a diverse and international learning environment. Through collaborations with global universities, we aim to be a leading institution in integrated capabilities, research, innovation, and an international perspective.

VISION

- ◆ Enhancing smart agriculture education and research, promoting tech integration, industry collaboration, and expanding services for greater competitiveness.
- ◆ Continuing development with a focus on natural resource-related teaching and research, including biotechnology, climate change, zero carbon emissions, and sustainable agriculture, aiming to harmonize human health and the environment for community benefit.
- ◆ Strengthening global collaboration, attracting top international students, and training agricultural talents with mobility and a sustainable mindset for global challenges.



College of Science

FEATURES

- ◆ The college of science unites chemistry, mathematics, and physics to provide both foundational and advanced education in the natural sciences. Our goal is to train innovative researchers and leaders in industry and academia. Teachers are encouraged to utilize computer-assisted teaching for enhanced learning efficiency.
- ◆ Our college excels in research areas such as green-energy chemistry, biomedical chemistry, artificial intelligence, big data analysis, nanotechnology, and semiconductor optoelectronics.
- ◆ Taiwan's largest college library, the Science College Library, is supported by the National Science and Technology Council, overseeing three library centers in central Taiwan.

VISION

- ◆ To foster a profound commitment to sustainable practices, carbon-negative initiatives, green chemistry, and life-enhancing biomaterial chemistry.
- ◆ To broaden our scope beyond traditional physics into interdisciplinary frontiers, including nanoscience, quantum technology, and advanced materials research.
- ◆ To enhance teaching and research align with the paradigm shift towards cloud computing, green computing, and big data analytics.



College of Engineering

FEATURES

- ◆ Over 60 years, College of Engineering has been established with a rich history, outstanding traditions, and an international perspective, leading Taiwan's technology and industry development. The College covers interdisciplinary research teams in "Smart City," "Smart Manufacturing," and "Smart Materials." The academic performance is in the top 450 in 'Engineering' and the top 1% in 'Materials Science' globally. We actively promote international academic collaborations with top universities in the US, EU, Japan, Australia, and more. We have industry-academic internship agreements to cultivate engineering and technology professionals with theory and practice. All departments and graduate institutes have been accredited by Institute of Engineering Education.

VISION

- ◆ Promoting foresight research and Interdisciplinary collaboration, attracting excellent faculty, and including practical experience of industry experts.
- ◆ Strengthening local connections through industry-academic collaboration with central Taiwan industries.
- ◆ Implementing Bilingual Education and New Engineering Education to elevate students' international competitiveness and problem-solving abilities.
- ◆ Establishing international dual-degree programs through academic collaborations with world-renowned institutes.
- ◆ Adapting to the global trend of SDGs, focusing on energy-saving, carbon-reduction, and Net zero emissions by cultivating sustainable engineering talents.



College of Life Sciences

FEATURES

- ◆ Diverse Expertise of Faculty: Covers the field of life sciences, particularly in the areas of ecology and biodiversity, which is uncommon among other universities in the country.
- ◆ Rich Educational Structure: Consists of one department, four institutes, and four programs, focusing on basic theoretical and translational applied research. The ratio of graduate to undergraduate students is about 3:2.
- ◆ Professional Degree Programs:
 - #Translational Medicine Doctoral Program: Specifically trains clinical physicians to become scientists.
 - #Doctoral Program in Medical Biotechnology: Specializes in big data analysis, cultivating talents for precision medicine research and development.
 - #Master's Degree Program in Precision Health: Develops talents in various fields of precision health, responding to contemporary needs.
- ◆ Industry Cooperation Degree Program: Offers a doctoral program in Biotechnology Industry Innovation R&D and Management, fostering talent in collaboration between academia and industry, promoting the integration of learning and application.
- ◆ Interdisciplinary Research Centers: Has three research centers (Global Change Biology Research Center, Rong Hsing Research Center for Translational Medicine, Center for Biomedical Research and Industrialization) with functionalities for interdisciplinary integration.
- ◆ Collaboration with Major Hospitals: Established comprehensive bilateral cooperation teams with major hospitals in central Taiwan (including Taichung Veterans General Hospital, Tungs' Taichung MetroHarbor Hospital, Taichung Armed Forces General Hospital, Changhua Christian Hospital, CHIA-YI Christian Hospital, etc.) to jointly execute research projects.
- ◆ Advanced Equipment: Possesses top-tier experimental equipment among academic institutions in the country.
- ◆ Outstanding Research Achievements: Research results are highly recognized across various sectors.
- ◆ Inservice Master Program in Life Sciences: The only national public universities to offer the only Inservice Master Program in Life Sciences in Taiwan.

VISION

- ◆ The future development plans of the College of Life Sciences, focusing on interdisciplinary integration, enhancement of teaching and research quality, collaboration with medical institutions, international exchanges, cross-disciplinary talent cultivation, and the industrial application of research achievements.
- ◆ Integration Across Departments via Research Centers: By utilizing three distinctive research centers, the college aims to fully leverage internal resources and enhance competitiveness.
- ◆ Close Collaboration with Hospitals: Integrating clinical faculty and researchers from major hospitals in the central region to form interdisciplinary teams, pioneering innovative research and development areas.
- ◆ International Cooperation and Exchange: Strengthening international academic cooperation, encouraging faculty and student exchange programs, hosting international conferences, and enhancing international visibility.
- ◆ Cultivating High-level Cross-disciplinary Talents: Expanding master's degree programs related to biotechnology industry management and entrepreneurship, nurturing high-level talents across various disciplines.
- ◆ Industrialization of Research and Development Results: Promoting the commercialization of research outcomes and intellectual property to make significant contributions in the fields of ecology, biotechnology, and biomedical sciences.



College of Veterinary Medicine

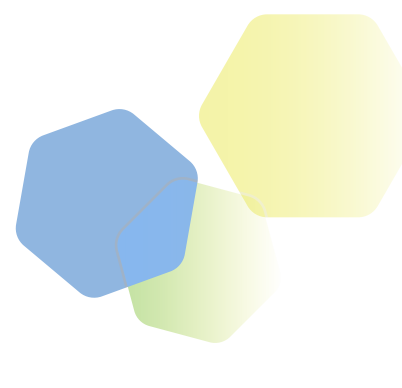
FEATURES

- ◆ The College of Veterinary Medicine includes the Department of Veterinary Medicine, the Graduate Institute of Microbiology and Public Health, the Graduate Institute of Veterinary Pathobiology, the Veterinary Medical Teaching Hospital, and Animal Disease Diagnostic Center. It offers a clinically-oriented doctor of veterinary medicine (DVM) program and is dedicated to advancing animal and human health through education, research and service.

Faculty members are grouped by specialization: ●Small animal clinical medicine, ●Economic animal clinical medicine, ●Aquatic and exotic animal clinical medicine, ●Molecular diagnosis of animal diseases, ●Basic science/ Laboratory animal science, ●Pharmacology/ Toxicology/ Food safety, ●One Health/ Animal Welfare, ●Vaccine development, ●Zoonosis/ Epidemiology.

VISION

- ◆ To advance academic research and international collaborations.
- ◆ To enhance collaboration between academia and industry, for the animal healthcare industry development.
- ◆ To maintain robust collaborative relationships with government agencies, schools, and industry partners.
- ◆ To implement the University Social Responsibility (USR) program, StrayLOHAS, for the reduction of stray animals and the fulfillment of animal welfare.





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College of Management

FEATURES

College of Management is an AACSB-accredited business school—only 5% of business schools globally have earned this distinction, and has engaged in various activities to promote teaching, research, and academia-industry collaboration. We now plans to achieves prominence through five clusters:

- ◆ Develop local knowledge, applied research, and interdisciplinary collaboration so as to acquire global perspectives and trends, and connect with the local community.
- ◆ Promote teaching innovation, teaching effectiveness, and develop teaching strategies that improve learning outcomes. COM aims to equip students with the ability of independent learning, technological skills, and creativity. Diversified recruiting plans will be implemented to recruit students with potentials.
- ◆ Develop effective academia-industry knowledge-sharing platform, and provide courses with practical knowledge, such as internship program.
- ◆ Commit to internationalization via international accreditation.
- ◆ Promote teaching, research, and administrative innovation.

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 become 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, researchers, students and alumni.



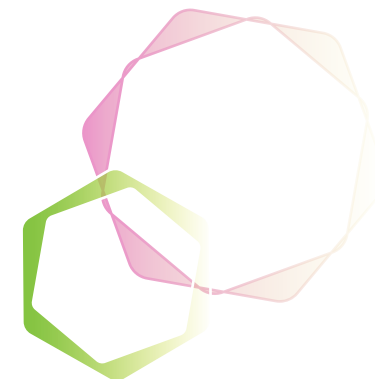
College of Law and Politics

FEATURES

- ◆ Specializes in law, politics, policy, and education, offering diverse, quality courses.
- ◆ Provides career-oriented courses for public service and legal sectors, enhancing global awareness.
- ◆ Emphasizes interdisciplinary research, merging theory with practice, targeting global competitiveness.
- ◆ Develops student proficiency in public affairs and international perspectives through multi-sector interactions.
- ◆ Educates in creativity, critical thinking, ethics, multiculturalism, and lifelong learning for professional teaching roles.
- ◆ Focuses on legal and civic education to promote social responsibility and engagement in justice and welfare activities.

VISION

- ◆ Advances international exchange: Builds ties with leading global universities, promotes student exchange programs and overseas internships, expands English-taught programs, and initiates dual-degree offerings.
- ◆ Creates interdisciplinary courses: Designs practical, socially pertinent courses for well-rounded professional skill development.
- ◆ Boosts collaboration with legal, governmental, and industrial sectors for increased internship opportunities and professional insights, aiding students in career orientation and sector understanding.



College of Electrical Engineering and Computer Science

FEATURES

- ◆ Devotes itself to innovating, researching, and developing various forward-looking fields including communications, computer science, control, electrical power, multimedia, Internet, AI, optoelectronics, semiconductor, electronic circuits, wafer designs, micro-electromechanics, and automation.
- ◆ Possesses interdisciplinary R&D teams for various fields, including unmanned AI technology, cloud services, big data applications, intelligent agriculture, smart health care, information security, and precision sport science.
- ◆ Works with the government, academia, industry, and related research institutions in central Taiwan to develop the next generation of information security professionals.
- ◆ Remains the only college in central Taiwan to possess both an optoelectronic semiconductor research center and an IC design center with high-specification equipment.

VISION

- ◆ Follows new trends in science and technology to establish high-tech laboratories, facilitating the construction of innovative, world-class smart digital ecosystems.
- ◆ Engages in inter-departmental collaboration and resource integration.
- ◆ Promotes outstanding AI research and engages in close collaboration with AI software and hardware industries.



College of Medicine

FEATURES

In 2022, the Dept. of Post-Baccalaureate Medicine and the College of Medicine were successfully established and the tenth college in NCHU. NCHU is now the only national university with a College of Medicine in central Taiwan. We focus on the development of smart, precise, regenerative, and rural medical care, and cultivating the industry-university collaboration in medical and biotechnology. NCHU aspires to enhance its influence in the central of Taiwan, leading the region to a new era of digital technology, and achieving the next 100 years of success.

VISION

- ◆ We focus on the development of holistic health care by investing actively in rural medical services and cultivating basic and clinical medicine talent.
- ◆ To advance healthcare industries and medical technology, we support interdisciplinary research and foster unique medical biotech industries.
- ◆ NCHU will have the Institute of Clinical Medicine and the Institute of Clinical Nursing 2024. We will add academic units to enable continued progress in medical education.



Academy of Circular Economy

FEATURES

- ◆ The Academy of Circular Economy facilitates collaboration between educational institutes and industries by leveraging its rich pool of talented individuals. It partners with companies such as CH Biotech, TSMC, CSC, ACBT, CLC, YFY, Swancor, Diamond Nano-Biochem, SPIL, ISCOM, IV Technologies, and AIDC, combining with their professional experience and resources to create novel accomplishments. Focusing on industry perspectives, the academy's team conducts problem-based research, nurturing professionals who can meet the requirements of these collaborating companies.
- ◆ Addressing industrial challenges in key areas enhance the university's research capabilities. Upon graduation, students have the opportunity to apply for positions at these companies, enabling them to apply their knowledge in practical settings and drive industry-academia innovation.
- ◆ Provide scholarship, regularly host international seminars, and conduct occasional international visits and academic exchanges to broaden students' international perspectives.

VISION

- ◆ To pioneer research in the field of circular economy, including but not limited to ecological agriculture, renewable energy, and resource recycling, aim to position the academy as a leading academic institution in this field.
- ◆ To facilitate deep collaborations with businesses, offer opportunities for student internships, industry projects, and collaborative research to accelerate the transformation of academic theories into practical applications.
- ◆ To expand partnerships with top international research institutions, engage in academic exchanges, collaborative research, and student exchange programs to attract more outstanding international students and scholars for collaboration, thereby fostering a global academic environment.
- ◆ To Engage in community service by organizing lectures, seminars, workshops, and other activities to disseminate the concepts and knowledge of circular economy to the public. Additionally, we actively participate in the formulation and recommendation of government policies related to circular economy, serving as a think tank and providing professional advice to promote the development of circular economy.



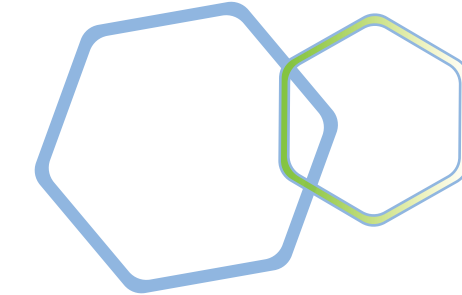
International College of Innovation and Industry Liaison

FEATURES

- ◆ Aligning with government policies, leveraging academic expertise strength, and expanding talented training resources to develop distinctive training programs.
- ◆ Integrating the educational strengths of various colleges, aligning with applied industries and core training categories to provide high-quality educational training.
- ◆ Utilizing social resources to offer diverse professional training, enhancing the skills and competitiveness of industry talents, and creating a win-win situation for industry, government, academia, and training.
- ◆ In 2010, we received an excellent evaluation from the Central Vocational Training Bureau, with most of our instructors being full-time faculty members of our university, and our courses meeting market demands.
- ◆ Following the "Gold Medal" accolade for training quality assessment from TTQS in 2013, we have consistently maintained this gold standard, establishing our own brand in continuing education in the central region of Taiwan.

VISION

- ◆ We collaborate with government agencies to offer various continuing education programs based on industrial policies, business trends, and lifelong learning needs.
- ◆ Our offerings include vocational education, industry talent investment, labor and elderly universities, Mini EMBA programs, and self-organized classes.
- ◆ In the future, we will align with social trends and the government's promotion of the six emerging industries and the 5+2 policy industries.



NCHU since 1919

