



University : National Chin-Yi University of Technology
Country : Taiwan
Web Address : www.ncut.edu.tw

[SDGs 4] Quality Education 教育品質

[4.3.3] Does your university as a body host events at university that are open to the general public: executive education programmes (this refers to short courses for people who are not attending the university; this specifically excludes courses like MBA) and/or vocational training?

NCUT's Executive Education and Vocational Training Programs Open to the Public

NCUT actively promotes lifelong learning and inclusive education by offering a wide range of executive education and vocational training programs that are open to the general public. These initiatives reflect NCUT's mission to bridge academic learning with industrial practice, respond to Taiwan's aging society, and provide continuing education opportunities for diverse learners, including working adults, unemployed individuals, and senior citizens.

1. Industry-Oriented Vocational Training

Dual-System Flagship Training Program

The Dual-System Flagship Training Program, implemented jointly by the Ministry of Labor and the Ministry of Education, integrates academic study with industrial apprenticeship, offering pragmatic, employment-oriented training for youth.

NCUT collaborates with 24 partner enterprises, including Yingshih Precision, Giant Manufacturing, and Formosa Supermarket, to train over 94 graduates who complete both academic coursework and on-site industrial training.

- Over 2,500 participants since inception, with an employment rate exceeding 90%.
- Hands-on training in AIoT, digital manufacturing, smart logistics, and energy-efficient production.
- Student visits to Taichung AIoT Experience Base to deepen understanding of smart industry applications and trends.
- Many students, such as Wu Chen-Zhen, achieved supervisory positions before graduation, demonstrating the program's success in integrating education and employment

This flagship initiative exemplifies NCUT's strong linkage between education and industry, cultivating skilled professionals ready to meet national smart manufacturing and green transformation goals.

2. Executive and Continuing Education Programs



NCUT offers a series of in-service degree and professional development courses tailored for working adults:

- **Special Classes for In-Service College and Master’s Degrees:** Designed to strengthen technical and managerial skills among employed professionals.
- **Industrial Master’s Programs:** Emphasize applied knowledge and practical training closely aligned with corporate needs.
- **Further Education Channels:** Provide adult learners with flexible study opportunities that support lifelong career growth.
- **Chin-Yi Academy and Senior University:** Facilitate community-based learning and personal development, offering public short courses in management, health, and creative fields.

Through these executive programs, NCUT contributes to workforce upskilling, employability enhancement, and the creation of a resilient knowledge society

3. Community Engagement and Lifelong Learning

In addition to formal education, NCUT organizes community-focused educational events that promote inclusive learning:

- **Family-to-College Activities:** Collaborations with local associations (e.g., farmers’ and fishermen’s groups) to engage residents in lifelong education.
- **Senior Citizen University Project:** In partnership with the Ministry of Education, NCUT provides tailored courses for citizens aged 55 and above, emphasizing health, digital literacy, and social participation.
- **Open Lectures and Training Camps:** Public seminars and workshops on topics such as digital transformation, green energy, and ESG management.

These programs reinforce NCUT’s role as a community knowledge hub, connecting higher education with local social development.

4. Professional Skill Development and Certification

To ensure that technical education leads to real employability outcomes, NCUT offers specialized certification-oriented training in collaboration with government and industry:

Year	Number of Classes	Partner Manufacturers	Participants
2022	5	20	51
2023	6	20	88

2024	8	24	112
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These figures demonstrate NCUT’s steady expansion in training capacity and industrial collaboration, ensuring continuous improvement in both educational quality and employment outcomes.

5. Impact and SDG Alignment

UN SDG	Alignment and Contribution
SDG 4 – Quality Education	Promotes lifelong learning through open access executive programs, vocational training, and senior education.
SDG 8 – Decent Work and Economic Growth	Provides youth and workers with professional training aligned to national smart industry policies, ensuring high employment rates.
SDG 9 – Industry, Innovation, and Infrastructure	Strengthens industry-academia collaboration to cultivate smart manufacturing and green economy talents.
SDG 10 – Reduced Inequalities	Expands education access for underprivileged groups and older adults.

Through its executive education, dual-training programs, and community-based learning initiatives, NCUT has become a model of accessible, inclusive, and industry-aligned education in Taiwan. By combining academic learning with practical training and public participation, NCUT not only empowers individuals to achieve career success but also strengthens Taiwan’s sustainable industrial ecosystem — fulfilling its commitment to the United Nations Sustainable Development Goals (SDG 4, 8, 9, and 10).



Special Achievement Class practical course

E. Diverse Learning and Lifelong Learning

(A) Science Popularization Education Center

To align with the emphasis on practical skills at universities of science and technology and promote the experimental spirit of fundamental sciences, the College of General Education established the Science Popularization Education Center. The center's primary mission is to foster a "learning by doing" and "doing by learning" philosophy through demonstrative and experimental education, aiming to build a strong foundation in science popularization education. This initiative highlights the university's innovative teaching methodologies and its commitment to fulfilling social responsibility. The center organizes workshops for teachers and summer science camps, as shown in Table 17 and Table 18.

Table 17: Teacher Workshops of the Science Popularization Education Center

Science Popularization Education Center	Science Popularization Education Center	Science Popularization Education Center
August 1-2, 2023 2023 Teacher Workshop (I)	Technology Information and Media Literacy Maker Camp	Training for high school, junior high, and elementary school teachers to enhance their innovation and hands-on capabilities, fostering a "maker" culture in schools. Topics include programming, data analysis, ChatGPT applications, information security theory, and hands-on projects with micro:bit V2.2 AI smart cars.
September 27, 2023 2023 Teacher Workshop (II)	Electricity and Energy (Tainan Municipal Heshun Elementary School)	This workshop covered electricity and energy topics such as wind power systems, solar photovoltaic systems, DC motors DIY, and photoelectric sensor switches. Teachers were provided with kits including sensor switch sets, small DC motor components, and creative wooden materials for classroom use. The goal was to integrate these topics into their current curricula.



▲ Technology Information and Media Literacy Maker Camp



▲ On Electricity and Energy (Tainan Municipal Heshun Elementary School)



(B) University for Seniors

Approved by the Ministry of Education, NCUT proudly offers university courses for senior citizens. These courses are designed to provide learning opportunities for the elderly and employ diverse learning models, allowing them to enjoy the pleasures of learning on campus. The overarching aim is to help seniors lead healthy lives and for self-fulfillment. The courses cover four main areas: Aging and Aging-Related Courses, Health and Leisure Courses, School Specialty Courses, and New Life Knowledge Courses, fostering diverse perspectives among students. Feedback from students has revealed a preference for interactive and outdoor activities, indicating a greater sense of accomplishment through practical courses. This valuable input helps teachers adjust the content, enhancing both interest and effectiveness in learning.

Promotion Methods for University for Seniors:

- Invite nearby township offices and village chief offices to announce enrollment information.
- Utilize LED TV wall advertising.
- Seek cooperation from nearby communities and stores to display enrollment DMs for residents' reference.
- Promote through word-of-mouth and raise awareness among neighbors, relatives, and friends.
- Announce information on the school's Office of Extending Education website.



▲ "Heart to Heart" Printmaking Experience



▲ Home-Based Multidimensional Exercise: Rediscovering the Lost Self



▲ Horticultural Therapy for Well-Being



▲ Tea and Life

(D) Aesthetic Self-Directed Learning

Through the certification of aesthetic self-directed learning, students are guided to observe, experience, and integrate aesthetic practices into their daily lives. This initiative aims to equip students with the skills needed to transition smoothly into society after graduation while fostering their humanitarian and artistic development and self-directed learning abilities. Statistics from the past two years are shown in Table 16.

Table 16: Statistics on Aesthetic Self-Directed Learning

Academic year	Number of exhibitions	Number of participants
2022	5	1,096
2023	6	6,424



▲ September 1 - September 28, 2023: Forms and Colors: A Joint Exhibition by Lin Hui-tang, You Shou-Zhong, and Ke Shi-Zhong



▲ October 6 - November 2, 2023: Illusory Art Realms: A Joint Exhibition by Xu Bi-ling, Wu Ying-chu, and Chen Zheng-long



▲ December 1 - December 28, 2023: Fortune, Prosperity, and Longevity: A Joint Exhibition by Hong Yi, Zhang Li-ye, and Huang Bo-wei



▲ March 1 - March 28, 2024: Five Elements: Mixed Media Exhibition by Lin Shan-Ying, Liao Ying-xi, and Chen Yong-xing



▲ April 10 - May 7, 2024: Art in Progress: Group Art Exhibition



▲ June 1 - June 28, 2024: Beyond the Unexpected: A Joint Exhibition by Li Gu-mo, Cai You, and Yao Shu-fen

學習不退休 · 人生更自由 諮詢電話: 04-23914961

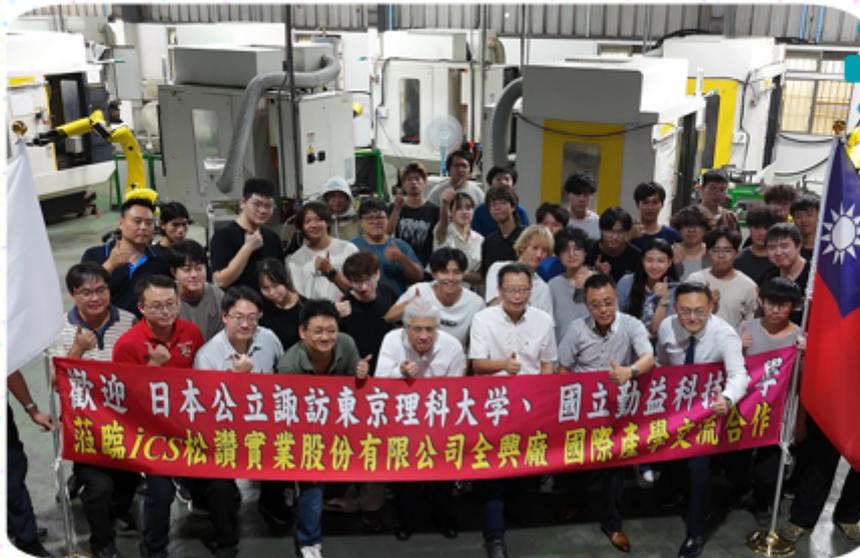
NCUT LAUNCHES "THIRD AGE UNIVERSITY" PROGRAM TO CREATE NEW LEARNING OPPORTUNITIES FOR THE MIDLIFE GENERATION



The Ministry of Education has introduced the "Third Age University Pilot Program" this year, encouraging individuals aged 55 and above to pursue lifelong learning, foster self-growth, and continue contributing to society. National Chin-Yi University of Technology (NCUT) is participating for the first time, with the Department of Health Industry Technology and Management and the Department of Business Administration jointly enrolling students to provide a cross-disciplinary learning platform.



NCUT Advances International Industry-Academia Collaboration: Taiwanese and Japanese Students Build a Real Automation Production Line in Three Days



NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY (NCUT) HAS LONG CULTIVATED CLOSE TIES WITH THE CENTRAL TAIWAN INDUSTRIAL CLUSTER, WORKING CLOSELY WITH SONGZAN INDUSTRIAL CO., LTD. AND MAINTAINING STRONG ACADEMIC EXCHANGES WITH SUWA TOKYO UNIVERSITY OF SCIENCE, JAPAN. THESE COLLABORATIONS LAID THE FOUNDATION FOR THE LATEST INTERNATIONAL INDUSTRY-ACADEMIA COLLABORATION PROGRAM.

THE THREE-DAY EVENT WAS HELD AT SONGZAN'S QUANXING PLANT, BRINGING TOGETHER 32 STUDENTS (INCLUDING 5 FROM JAPAN) AND 4 NCUT PROFESSORS FROM THE DEPARTMENT OF INTELLIGENT AUTOMATION ENGINEERING, INCLUDING PROF. TA-JEN PENG, PROF. CHIH-JUNG CHEN, PROF. CHIA-HUNG LAI, AND PROF. PENG-JEN CHEN. UNLIKE TYPICAL CLASSROOM PROJECTS, STUDENTS WERE TASKED WITH BUILDING A FULLY FUNCTIONAL FLEXIBLE AUTOMATION PRODUCTION LINE IN A REAL FACTORY ENVIRONMENT, COVERING ROBOTIC GRIPPER DESIGN, LINE LAYOUT, PLC CONTROL, ELECTRICAL WIRING, AND ROBOTIC ARM INTEGRATION.

PROF. TA-JEN PENG EMPHASIZED THAT STUDENTS HAD CONDUCTED NEARLY A MONTH OF PREPARATORY SIMULATION BEFORE ENTERING THE FACTORY, ENABLING THEM TO IMMEDIATELY APPLY THEIR PLANS TO THE PRODUCTION LINE—AN EXPERIENCE THAT HIGHLIGHTS BOTH INDUSTRY TRANSFORMATION AND CROSS-CULTURAL COLLABORATION. HUNG-CHE FENG, GENERAL MANAGER OF SONGZAN, STRESSED THAT PRODUCTION LINE TRANSFORMATION IS ESSENTIAL AMID GLOBAL SUPPLY CHAIN CHALLENGES, AND THIS PROGRAM SHOWCASES THE STRENGTH OF INDUSTRY-ACADEMIA COOPERATION AND CORPORATE SOCIAL RESPONSIBILITY. MASA HIDE OSHIMA, VICE PRESIDENT OF SUWA TOKYO UNIVERSITY OF SCIENCE, PRAISED THE STUDENTS FOR OVERCOMING LANGUAGE AND CULTURAL BARRIERS TO JOINTLY COMPLETE A REAL PRODUCTION LINE WITHIN A LIMITED TIME.

