

University : National Chin-Yi University of Technology  
Country : Taiwan  
Web Address : [www.ncut.edu.tw](http://www.ncut.edu.tw)

**[4.3.1] Does your university as a body provide access to educational resources for those not studying at the university, e.g. computers, library, online courses, access to lectures, etc?**

是否為未能接受大學教育的群體提供教育資源（例如電腦、圖書館、線上課程、講座）的機會？

NCUT actively engages with the wider community by providing access to **educational resources and services** beyond its enrolled students. These efforts aim to promote lifelong learning, knowledge sharing, and social development. Below are some key ways NCUT extends its educational resources to non-students:

1. **Workshops and Public Lectures:**

2. NCUT regularly hosts **forums, conferences, and lectures** on topics such as renewable energy, sustainability, and hydrogen technologies. These events, often featuring industry experts, are open to professionals and community members.

3. **Collaborations with Industry and Government:**

4. NCUT partners with various **local institutions, businesses, and government agencies** to promote skill development. For example, it offers certification programs in renewable energy and conducts technology forums that provide professional education opportunities to the public.

5. **Community Outreach Programs:**

6. Through initiatives like **service learning**, NCUT students and faculty contribute to educational activities in the community. These include **training programs and skill development workshops** for individuals outside the university.

7. **Online Educational Platforms:**

8. The university promotes the use of **open educational materials** and e-learning resources, helping people access information and knowledge remotely. NCUT's engagement with online learning platforms ensures that its knowledge benefits a broader audience.

9. **Library Services and Resources:**



10. The NCUT **Library and Information Center** offers **limited access to resources for community members**. Scholars, researchers, and local residents may use library facilities for academic and personal research within certain guidelines.

By sharing its resources through **public programs, partnerships, and events**, NCUT demonstrates its commitment to supporting not only its students but also the broader community in their pursuit of knowledge and personal growth.

### **NCUT Industrial Talent Training Center**

NCUT is dedicated to cultivating skilled professionals and students, aiming to refine job market talents' professional skills and develop their professional qualities through specialized courses. The establishment of the "Industrial Talent Training Center" is a key initiative to offer practical and knowledge-based courses, providing a robust learning environment and resources.

#### **Service Content:**

The center focuses on cultivating the professional skills of current industry employees through various specialized courses, including but not limited to:

- **SolidWorks:** Comprehensive training in SolidWorks software for 3D CAD design, helping employees enhance their design and engineering skills.
- **NX-UG (Unigraphics):** Advanced courses in NX-UG software, focusing on CAD, CAM, and CAE for product design and manufacturing processes.
- **PowerMill:** Implementation of PowerMill software for five-axis machining, providing hands-on training for precise and efficient machining operations.

These courses are designed to equip industry professionals with the necessary skills and knowledge to excel in their respective fields, contributing to the overall enhancement of workforce quality and productivity.

NCUT's commitment to offering these specialized courses underscores its role in supporting both the current workforce and future professionals in meeting the evolving demands of the job market.

## 產業現職人才培育中心113年度課程列表

課程日期	時數	課程名稱	課程綱要
113/04/09   113/04/25 每週二、四 (18:45-21:45)	18小時 (3小時/共六堂)	NX-UG 電腦輔助設計 自動拆模技術	(一) 同步建模(移動面、拖拉面、取代面、包容體、參考圓角、取代體)。 (二) 模座組立導覽概念與操作練習。 (三) Mold Wizard 模具設計:初始化模具專案(載入零件、設定縮水率;定拔模方向;設定模仁尺寸;決定模穴配置方法;靠破分割(實體分模、剪除法、實體分割、輪廓分割法、曲面分割法、...);靠破修補(實體修補、曲面修補、邊緣修補、存在面修補、擴大面修補);分模(分模線、分模面、析出區域、產生公母模)。 (四) 拆模綜合練習。
113/05/07   113/05/30 每週二、四 (18:45-21:45)	24小時 (3小時/共八堂)	NX-UG 電腦輔助設計 複雜曲面模型設計	(一) 曲面幾何基本觀念: 曲面坐標系、U/V方向、斷面線/導引線、曲面的階與次方數、複合曲面的意義。 (二) 曲面模型設計: 直紋、網格曲面、掃掠曲面、橋接曲面、N邊曲面、截面曲面、延伸曲面、規則延伸、偏置曲面、變距偏置面、可變偏置、粗略偏置、曲面圓角、四點曲面、填充曲面、修剪薄體、帶狀面建構器、修剪&延伸、擴大曲面、修補開口、快速造面、由點構面(通過點構面、控制點構面、擬合曲面)…。 (三) 編修曲面特徵: 移動面、拉出面、偏置區域、分割面、刪除面、調整面大小、取代面、取代邊、修改圓角大小、複製面、設為共面、優化面…。 (四) 複雜產品造型設計3D模型綜合練習。
113/07/06   113/08/03 每週六 (09:00-16:00)	27小時 + 3.5小時考照 (6小時/共五堂)	Solidworks 電腦輔助機械設計 CSWA原廠認證班	草圖、基本零件建模、對稱和拔模、陣列、旋轉特徵、薄殼與肋設計變更、模型組態、設計表格、組零件1-由下而上、組零件2-由上而下、組零件組裝、工程圖、屬性建立、圖紙範本建立、視圖使用、尺寸標註、BOM表使用、CSWA/CSWP原廠認證證照介紹與CSWA考證模擬訓練。
113/11/02   113/11/30 每週六 (09:00-16:00)	30小時 (6小時/共五堂)	PowerMill 五軸加工機實作	PowerMill基本介紹(視窗環境、檔案格式、檢視工具、滑鼠、著色分析等)、素材/座標設定建立、刀具/刀把設定、提刀高度進退刀連結設定、粗工法講解(粗、餘料加工)、各式精加工法(等高、平行、清角等)說明、邊界與參考線用法、路徑編輯修剪說明、各式孔特徵與工法介紹、3+2軸加工介紹、五軸刀軸各種設定、各式五軸工法功能應用、刀軸範圍與干涉偏斜、刀軸編輯功能說明、機台模擬設定、NC程式輸出與驗證、路徑模擬等。

【上述課程最晚皆於前三個月起開放報名，本單位保留變更之權利】



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林小姐  
電話: (04) 2392-4505#2478  
傳真: (04)2393-1260  
信箱: talent@ncut.edu.tw



## Taichung City Education Bureau and NCUT organize AI parent-child learning camp for parents and children to experience the wonders of AI

The Taichung City Family Education Center, in collaboration with the National Chin-Yi University of Technology (NCUT), launched a two-day "**AI Parent-Child Learning Camp**" during the winter vacation. Within 24 hours of opening registration, this activity attracted nearly 200 parent-child registrations. Director of Education Jiang, Wei-Min and NCUT Principal Chen, Wen-Yuan also participated in the event to experience the wonders of AI artificial intelligence alongside parents and children.

Director of Education Jiang, Wei-Min expressed that the purpose of organizing the AI parent-child learning camp was to promote **parent-child technology education and integrate technology education into family life** during the winter vacation. By leveraging university professional resources and partnering with NCUT, the Taichung City Family Education Center aimed to provide participating parents and children with an opportunity to explore artificial intelligence deeply and enjoy the joy of learning together. He expressed gratitude to NCUT for their support and emphasized the importance of cross-agency cooperation in building a livable city for everyone. Additionally, he highlighted the significance of enhancing parenting skills and fostering happy families through the empowerment and growth of parents and children.

The Education Bureau elaborated that NCUT teachers have meticulously designed a series of AI technology courses for parents and children to learn together. These courses lead participants to experience virtual reality, explore technological creativity, analyze the working principles of AI learning, and then guide them into the practical application field of artificial intelligence programming. Additionally, the Taichung Municipal Family Education Center has prepared completion certificates for children who participated in the entire activity to encourage them to continue their studies diligently.

Parents who took part in the activity shared their thoughts, expressing that AI is a global trend, and this activity serves as a valuable opportunity to bring parents and children closer together. They appreciated the chance to grow together in the learning process, deeming it a meaningful parent-child learning activity. For those interested in learning more about the courses or exciting activities offered by the Taichung City Family Education Center, they can search for "Taichung City Family Education Center" on Facebook or join the official Line friends group.



## Library Access and Services for Outsiders

Our library is open to visitors who are 12 years old and above. To access the library, individuals are required to present a valid identity document, which can include an ID card, driver's license, health insurance card with a photo, student ID card from another school, or teacher ID card. Visitors can obtain a temporary reading pass at the library counter for entry.

Furthermore, if you wish to borrow books and materials, you can follow the "National Chin-Yi University of Technology Library Borrowing Procedures for Outsiders" to apply for a library card, enabling you to borrow items. This initiative aims to make it easier for the local community to access valuable book resources, enhance the circulation of books and materials, and promote resource sharing.

During the academic years 2020-2022 (spanning from August 2020 to July 2023), with the exception of a closure from February 24, 2020, to November 14, 2022, which was enforced due to the epidemic, we recorded the entry of 3,903 outsiders into the library upon presenting valid identification documents or renewing their certificates. This data reflects our commitment to providing library services to the broader community.



### Art Center: Celebrating Creativity and Cultural Excellence

The Art Center at our university officially opened its doors on May 25, 2019. In recognition of its contributions to the arts, the center was designated as a member of the "Art Highlights" by the Cultural Affairs Bureau of the Taichung City Government in 2020. This partnership with the Cultural Affairs Bureau underscores our commitment to fostering the growth of arts and culture in Taichung City.




The Art Center serves as a vibrant and diverse platform for the appreciation of truth, goodness, and beauty through its array of professionally curated artworks. It caters to our dedicated teachers, students, and the broader citizenry residing in the surrounding communities. Throughout the year, the center hosts four to six professional art exhibitions, and it actively accepts exhibition applications. In doing so, we support local artists and art groups in showcasing their work, with the aim of nurturing and enhancing the talents of the local artistic and literary community.

From 2020 to June 30, 2023, the Art Center has proudly hosted a total of 15 exhibitions, celebrating creativity and enriching our cultural landscape. This commitment aligns with our university's social responsibilities and its dedication to promoting the arts in the region.



2022 開幕時間  
10.12<sup>週六</sup> 10:00am  
10.07<sup>週三</sup> — 11.03<sup>週三</sup>

謝棟棟 余燈銓 邱委洋  
開枝散葉  
雕塑三人展

展覽 週二至週八/09:00-17:00  
開放 週一、週日、國定假日休展  
地點 國立勤益科技大學藝術中心  
（工具機大樓一樓）  
主辦 國立勤益科技大學藝術中心

開幕日期  
4/12<sup>週六</sup> 10:30am  
展覽日期  
4/12<sup>週六</sup> - 5/09<sup>週六</sup>

李涓涓 曾桂梅 王寶珠  
仁陶緣遇  
4  
創作展










展覽 週二至週八/09:00-17:00  
開放 週一、週日、國定假日休展  
地點 國立勤益科技大學藝術中心  
（工具機大樓一樓）  
主辦 國立勤益科技大學藝術中心

形  
色  
三  
合

09/01 — 09/28

林輝堂 游守中 柯適中 三人展  
開幕日期: 2023.09.13 10:30am

展覽 週二至週八/09:00-17:00  
開放 週一、週日、國定假日休展  
地點 國立勤益科技大學藝術中心  
（工具機大樓一樓）  
主辦 國立勤益科技大學藝術中心