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臺科大 TAIWAN TECH



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臺科大 Taiwan Tech

校內新聞快報【七月・第41期】

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臺科大首度串聯 11 校成立 ESP 基地 以真實職場情境打造專業英語課程

2026-07-27

Taiwan Tech launches Taiwan’ s first 11-School ESP hub to develop professional workplace-focused English courses.



技專校院向來重視學用接軌，近年更積極發展 ESP（English for Specific Purposes，專業英語）課程，將專業知識、英語能力與職場情境相互結合，協助學生提升就業競爭力。為配合 2030 雙語政策及第二期雙語計畫，教育部委請國立臺灣科技大學 EMI 教學資源中心推動「ESP 基地計畫」，並於 7 月 23 日在國立勤益科技大學舉辦「ESP 職場情境論壇暨基地成立大會」，首度串聯 11 所技專校院共同簽署合作備忘錄，正式成立 ESP 專業英語跨校合作網絡，透過跨校合作整合專業領域教師、英文教師及教學資源，共同發展貼近產業需求的 ESP 教材與教學模式。 ESP 基地計畫由臺科大、勤益科大及高科大分別擔任北、中、南三區召集學校，攜手明志科大、亞東科大、龍華科大、朝陽科大、臺中科大、中臺科大、弘光科大及正修科大等夥伴學校，共同成立八個跨校工作圈，依工程、電資、管理、餐旅、醫護、設計及其他共「6+1」個專業領域，推動教材研發、教師交流及教學資源共享。 ...點擊看更多

Universities of science and technology have long placed strong emphasis on aligning academic learning with workplace needs. In recent years, they have also actively developed English for Specific Purposes (ESP) courses that integrate professional knowledge, English proficiency, and workplace contexts to help students strengthen their competitiveness in the job market. To support the 2030 Bilingual Nation Policy and the Second Phase of the Bilingual Education Program, the Ministry of Education commissioned the EMI Teaching and Learning Center at Taiwan Tech to promote the “ESP Hub Project.” On July 23, Taiwan Tec held the “ESP Workplace Context Forum and Hub Establishment Ceremony” at National Chin-Yi University of Technology. For the first time, the initiative brought together 11 universities of science and technology to jointly sign a memorandum of understanding (MOU), formally establishing an inter-university ESP professional English collaboration network. …more

臺科大、文曄科技合開半導體人工智慧商務應用課 10 位業師進班指導

2026-07-27

Taiwan Tech and WT Microelectronics launch semiconductor AI business applications course with 10 industry experts.



半導體課程結合 AI 技術不罕見，但將半導體、人工智慧與商務應用整合，並由企業全程參與課程規劃與實務指導，則是國立臺灣科技大學機械工程系與全球半導體電子零組件通路商文曄科技共同打造的特色跨域課程。雙方自 2025 年起合作開設「半導體人工智慧商務應用」課程，並於期末舉辦 Workshop，由文曄科技派出 10 位來自 FAE(應用工程師)、Sales(業務)及 HR(人力資源)等不同部門主管與資深同仁授課並指導期末專案，讓 119 位修課學生不只是學習 AI 技術，更懂得如何將 AI 應用於產業、創造商業價值。因應 AI 與半導體產業對跨域人才的需求，今年課程擴大開放電資學院、工程學院研究所學生選修，與機械系大四學生共同學習。課程內容涵蓋半導體產業鏈與發展趨勢、人形機器人、AI 控制器、車用處理器、AI 工具應用與上下游管理，以及商務談判、夥伴關係經營等主題，並依最新 AI 發展趨勢與產業案例滾動調整，讓學生掌握最新技術與市場脈動。臺科大機械系主任徐慶琪表示，文曄科技串聯半導體原廠與各類電子產品製造商，擁有豐富的產業應用經驗，因此雙方共同規劃課程，希望讓學生從產業實務角度認識 AI 在半導體領域的應用，而不僅止於理論學習。課程不僅介紹人工智慧應用與發展的核心知識，也帶領學生了解晶片、軟體工具及多元趨勢，逐步培養半導體 AI 商業應用能力。...點擊看更多

Semiconductor courses incorporating AI technology are no longer uncommon. However, integrating semiconductors, artificial intelligence, and business applications into a single course, with a company involved throughout the curriculum planning and hands-on instruction, is a distinctive feature of the cross-disciplinary course jointly developed by the Department of Mechanical Engineering at Taiwan Tech and WT Microelectronics, a global distributor of semiconductor and electronic components. Since 2025, the two sides have jointly offered the course “Business Applications of Artificial Intelligence in Semiconductors”. At the end of the semester, a workshop was held, with WT Microelectronics sending 10 managers and senior employees from different departments, including Field Application Engineers (FAEs), Sales, and Human Resources (HR), to teach the course and mentor students on their final projects. Through this industry-integrated approach, the 119 students enrolled in the course learned not only AI technologies but also how to apply AI in industry and create business value. ...more

從課堂走向國際舞台 臺科大跨域微學程培育學生創新實踐力

2026-07-23

From classroom to global stage: Taiwan Tech interdisciplinary micro-programs foster innovation and real-world skills.



臺灣科技大學通識教育中心推動 STEM / STREAM 跨域微學程，透過跨領域課程、實務專題及跨校合作，培養學生跨域整合、創新實踐與問題解決能力。透過三校聯盟跨校修課的台灣大學財金系學生黃冠豪，便是其中的成功案例。他在修習臺科大跨領域實務專題課程後，與中原大學電機系學生共同創立宜智科技，開發「智慧永續能源回收系統（SSERS）」，不僅代表臺灣前往日本參加 SusHi Tech Tokyo 2026，近期更榮獲第 21 屆戰國策全國創新創業競賽新創企業組冠軍，團隊更於立法院參與國際永續合作 MOU 簽署，促進台灣與史瓦帝尼在永續發展及人才培育領域的實質合作，持續將課堂所學延伸至國際交流與永續行動，展現臺科大跨域微學程結合實作教育的人才培育成果。 STEM / STREAM 跨域微學程以科學（Science）、科技（Technology）、工程（Engineering）、數學（Mathematics）為基礎，進一步結合識讀（Reading）與藝術（Art），透過問題導向的課程設計，引導學生從真實社會議題出發，課程除了循序漸進培養學生跨領域知識，也藉由專題實作，鼓勵學生整合不同專業背景，為解決議題導入新思維。...點擊看更多

The Center for General Education at Taiwan Tech promotes the STEM/STREAM Interdisciplinary Micro-Program, cultivating students’ abilities in cross-disciplinary integration, innovative practice, and problem-solving through interdisciplinary courses, hands-on projects, and cross-university collaboration. Kuan-Hao Huang, a student in the Department of Finance at National Taiwan University who took courses across universities through the three-university alliance, is a successful example. After taking Taiwan Tech’s interdisciplinary hands-on project course, he co-founded EZee Technology with students from the Department of Electrical Engineering at Chung Yuan Christian University and developed the “Smart Sustainable Energy Recovery System (SSERS)”. The team not only represented Taiwan at SusHi Tech Tokyo 2026 in Japan but also recently won first place in the Startup Enterprise Category of the 21st National Innovation and Entrepreneurship Competition. …more

臺科大樂齡班參與「永續好日子」 攜手國際生展現跨世代溫暖力量

2026-07-22

Taiwan Tech seniors join “Sustainable Good Life”, building intergenerational connections with international students.



臺灣科技大學於 7 月 18 日至 19 日參加聯合線上第三屆《永續好日子》展覽活動，展現令人耳目一新的溫暖實力。本次臺科大攤位打破過往以「硬體工科」為主的印象，全由臺科大「樂齡班」學員自發性籌辦，圍繞「植療、聊療、數療、食療」核心四療精神，將焦點回歸到人文社會與跨界夥伴關係，展現臺科大在實踐聯合國永續發展目標（SDGs）中，關於優質教育、健康福祉及多元夥伴關係的豐碩成果。臺科大數位學習與教育研究所暨樂齡班教師李采儒助理教授表示，在永續的時代，除了強調環保、材料的永續，人與人之間的永續、跨世代的文化傳承，才是更重要的核心。臺科大透過樂齡班，一直努力深耕教育平權及永續夥伴，經由國際生以及樂齡班之間的交流，讓台灣的社會文化得以傳承，也開拓學員的國際觀，讓更多人看見臺科大多元、包容且溫暖的永續一面。同為樂齡班授課教師的翁楊絲茜教授也深表贊同並指出，樂齡教育的核心在於賦能，透過這次展覽，長輩們展現出超越年齡的社會實踐力，這正是高齡化社會中「社會資本」永續循環的最佳典範。...點擊看更多

Taiwan Tech participated in the 3rd “Sustainable Good Life” Online Exhibition, held from July 18 to 19, presenting a refreshing and heartwarming demonstration of its strengths. Breaking away from the conventional image of Taiwan Tech as primarily focused on “hardware and engineering”, the Taiwan Tech booth was independently organized by participants in the university’s “Active Aging Program”. Centered on the four core approaches of “plant therapy, conversation therapy, digital therapy, and food therapy”, the booth shifted the focus back to the humanities, social engagement, and cross-sector partnerships. It showcased Taiwan Tech’s substantial achievements in advancing the United Nations Sustainable Development Goals (SDGs), particularly in quality education, health and well-being, and partnerships for the goals. ... ...more

臺科大學生團隊美妝永續提案「Skin Smart」 獲 WTUN 國際競賽第三名

2026-07-17

Taiwan Tech students’ “Skin Smart” sustainability proposal wins third place in WTUN International Competition.



國立臺灣科技大學學生團隊「Skin Smart」於 2026 年 5 月在世界科技大學聯盟學生競賽（WTUN Student Competition 2025-26）中榮獲全球第三名，每位成員獲頒 100 英鎊獎金及國際成就證書。團隊由臺科大語言中心黃子玲老師指導的三位不同系所學生組成：應用外語系大一徐豪堉、陳瑀潔，以及設計系大三、雙主修應用外語系的陳婕宜。團隊的提案「Skin Smart」著重於每日都在你我身邊發生的消費問題，由於網路資訊發達，網紅推薦、社群跟風，讓大量保養品在未必適合消費者膚質的情況下被購入，既浪費金錢，也加重環境負擔。該團隊提出的解方為一套以數據驅動的系統：一方面為製造端建立標準化認證標籤，推動產品資訊透明；另一方面開發面向消費者的膚質分析系統，讓選購保養品不再只是靠感覺。該方案不僅對應 SDG 4（優質教育）與 SDG 12（負責任的消費與生產），同時也透過領域合作提出解決方案。...點擊看更多

Taiwan Tech student team “Skin Smart” won third place globally in the WTUN Student Competition 2025–26 in May 2026. Each team member received a £100 prize and an International Achievement Certificate. The team consists of three students from different departments, mentored by Tzu-Ling Huang of the Taiwan Tech Language Center: first-year students Hao-Yu Hsu and Yu-Jie Chen from the Department of Applied Foreign Languages, and third-year student Chieh-I Chen from the Department of Design, who is also pursuing a double major in Applied Foreign Languages. The team’s proposal, “Skin Smart”, focuses on a consumer issue that occurs in our daily lives. With the rapid development of online information, influencer recommendations and social media trends have led consumers to purchase large quantities of skincare products that may not necessarily be suitable for their skin types. This not only wastes money but also increases the burden on the environment. .....more

臺科大設計系勇奪金點新秀設計獎六項殊榮　以創新設計回應社會需求

2026-07-16

Taiwan Tech’s Department of Design wins six Golden Pin New Talent Design Awards for innovative social impact.



國立臺灣科技大學設計系學生於 2026 金點新秀設計獎表現亮眼，共有 5 組作品脫穎而出，橫跨產品設計與傳達設計領域。其中，《SHIELDEX 捷運車廂緊急防禦盾系統》同時獲得產品設計類獎項及中華文化總會（文總）特別獎「島嶼韌性設計獎」，《彡）：新規訓之下的毛髮》則榮獲傳達設計類最高榮譽「年度最佳設計獎」，展現臺科大設計系兼具社會關懷、人文思辨與創新實踐的深厚能量。張光予、蔡思涵以《SHIELDEX 捷運車廂緊急防禦盾系統》榮獲產品設計類金點新秀設計獎及文總特別獎「島嶼韌性設計獎」。作品從近年捷運車廂突發攻擊事件出發，結合 AI 異常行為偵測、燈光警示及實體防禦裝置，希望在危機發生初期提供乘客即時保護與應變指引。團隊表示，創作初期曾投入大量時間研究摺疊式防禦盾結構，但在反覆測試與驗證後發現，緊急狀況下過於複雜的操作反而可能增加使用門檻，因此重新回到「直覺、快速、易於使用」的設計目標，發展出最終的產品型態。指導老師宋同正、柯俊民評價，作品回應近年社會關注的大眾運輸安全議題，以即時防禦與簡易操作為核心，兼具創新性、實用性與社會價值，因此獲得評審肯定。...點擊看更多

Students from the Department of Design at Taiwan Tech delivered an outstanding performance at the 2026 Golden Pin New Talent Design Award, with five groups of works standing out across the fields of product design and communication design. Among them, *SHIELDEX Metro Carriage Emergency Defense Shield System* won both a Product Design award and the Chinese Culture Association (CCA) Special Award, the “Island Resilience Design Award”, while *(彡): The Hair of the New Discipline* received the highest honor in the Communication Design category, the “Best Design Award.” Together, these achievements demonstrate the Taiwan Tech Department of Design’s strong commitment to social awareness, humanistic reflection, and innovative practice. The 2026 award also introduced the “Island Resilience Design Award” in cooperation with the Chinese Culture Association for the first time.....more

跨域整合展實力 臺科大方程式賽車隊 FST 摘冠

2026-07-09

Taiwan Tech Formula student team wins championship through interdisciplinary innovation.

國立臺灣科技大學方程式賽車隊 2026 FST 臺灣盃學生方程式聯賽（Formula Student Taiwan）表現亮眼，不僅順利完成所有技術檢驗更在三天賽程中穩定發揮，最終勇奪賽事總成績第一名締造車隊成立以來最佳成績，展現臺科大學生在工程設計、跨域整合及團隊合作上的卓越實力。 FST 為臺灣學生方程式賽車的重要競賽，參賽隊伍須自行設計、製造並測試賽車，接受技術檢驗、靜態評分及動態賽事等多項考驗。比賽不僅著重車輛性能，更全面評估車隊在工程設計、製造品質、成本規劃、商業思維及團隊協作等能力，充分考驗學生將理論知識轉化為實務成果的能力。本屆賽事中臺科大方程式賽車隊依序完成機械檢驗、電力檢驗、淋雨測試等所有技術檢驗，並完成設計簡報向評審完整說明車輛設計理念、工程規劃與技術特色；進入動態賽事後車隊持續發揮穩定實力，陸續完成直線加速（Acceleration）、八字繞環（Skidpad）及耐久賽（Endurance）等競賽項目，其中耐久賽為最具挑戰性的項目，不僅考驗車輛的可靠性與整體性能，更要求車手在長時間競賽中維持穩定操駕，同時也仰賴團隊完善的車輛調校、維修能力與臨場應變。 ...點擊看更多



The Formula Racing Team of Taiwan Tech delivered an outstanding performance at the 2026 Formula Student Taiwan (FST), successfully completing all technical inspections and maintaining consistently strong performances throughout the three-day competition. The team ultimately claimed the Overall Championship, marking the best result in the team's history and showcasing the exceptional capabilities of Taiwan Tech students in engineering design, interdisciplinary integration, and teamwork. Formula Student Taiwan (FST) is Taiwan's premier student formula racing competition. Participating teams are required to design, manufacture, and test their own race cars before undergoing a comprehensive series of evaluations, including technical inspections, static events, and dynamic competitions. Beyond vehicle performance, the competition comprehensively assesses each team's engineering design, manufacturing quality, cost analysis, business planning, and teamwork, providing a rigorous test of students' ability to transform theoretical knowledge into practical engineering achievements. ...more

臺科大 EMI 跨校合作率團赴泰 深化雙語教育教學支持機制

2026-07-08

Taiwan Tech leads cross-university EMI initiative in Thailand to strengthen bilingual education support.



國立臺灣科技大學(以下簡稱臺科大)與國立臺灣大學醫學院附設醫院癌醫中心分院(以下簡稱臺大癌醫)已於 115 年 5 月 27 日正式簽署策略聯盟協議書，從鄰居成為優勢互補的合作夥伴。合作內容廣涵學術刊物與研究資料交換、舉辦研討會及藝文活動，以及設備、場館設施、圖書資源共享與提供臺科大教職員工健康檢查專案等多元事項，藉由更緊密的交流互動，落實互惠合作並帶動區域共榮，創造雙贏。為促進雙方團隊實質交流，臺科大與臺大癌醫將在明(13)日首度舉辦「跨域合作交流會」，透過專題短講、研究海報展示及臨床需求交流，進一步尋求合作契機。臺科大校長顏家鈺表示，自上任以來便期待與臺大癌醫合作，除了地理位置相近、交流便利之外，更重要的是彼此擁有高度互補的專業技術。臺科大擁有優秀的研究團隊，並與眾多企業維持良好關係，未來若有具潛力的醫療研發成果，還能協助媒合產業資源，加速技術落地，「我相信，醫療現場的需求若能與工程創新結合，就能催生更多具影響力的研究成果，創造更大的社會價值。」...點擊看更多

Taiwan Tech and the National Taiwan University Cancer Center (NTU Cancer Center) officially signed a strategic alliance agreement on May 27, 2026, transforming their relationship from neighboring institutions into strategic partners with complementary strengths. The partnership encompasses a wide range of collaborative initiatives, including the exchange of academic publications and research resources, the co-organization of academic conferences and cultural events, the sharing of research equipment, facilities, and library resources, as well as a dedicated health examination program for Taiwan Tech faculty and staff. Through closer collaboration and sustained interaction, the two institutions aim to foster mutual benefit, promote regional development, and create a win-win partnership. ...more.

打破既定人生路徑　臺科大設計系廖建凱獲總統教育獎肯定

2026-07-06

Taiwan Tech design student Chien-Kai Liao received Prestigious Presidential Education Award.



教育部公布 2026 年總統教育獎獲獎名單，國立臺灣科技大學設計系學生廖建凱以堅毅不屈的生命韌性、勇於突破自我及積極追求卓越的精神獲得肯定。來自雲林西螺小農村的他，童年歷經家庭變故，由年邁的阿嬤扶養他與妹妹長大。成長過程中，社工與師長的陪伴成為他生命中的重要力量，也讓他將一路走來的挫折化為前進動力，在設計領域持續發光發熱。廖建凱自高中接觸設計後，便確立自己的志向。高中期間，在老師鼓勵下投入技能競賽，即使離家求學、獨自在外租屋生活，仍利用課餘、寒暑假反覆練習，累積扎實的設計實力，最終通過技優甄選管道考取臺灣科技大學設計系。進入大學後，他並未循著一般四年畢業的步調，而是一次次勇敢走出舒適圈，主動為自己創造更多可能。大學期間，廖建凱兩度調整求學節奏。第一次休學為投入技能競賽國手培訓，全心磨練專業能力；第二次則因錄取教育部藝術與設計菁英海外培訓計畫視覺傳達組，即將前往澳洲展開為期一年的海外培訓。...點擊看更多

The Ministry of Education has announced the recipients of the 2026 Presidential Education Award, with Chien-Kai Liao, a student from the Department of Design at Taiwan Tech, being recognized for his unwavering resilience, determination to overcome adversity, and relentless pursuit of excellence. Raised in a small farming village in Hsiluo, Yunlin County, Liao experienced family hardship from an early age and was brought up, together with his younger sister, by their elderly grandmother. Throughout his childhood, the support of social workers and teachers became a vital source of strength, inspiring him to transform life's challenges into motivation and pursue his passion for design. Liao discovered his passion for design during senior high school and quickly established it as his career goal. Encouraged by his teachers, he participated in vocational skills competitions. Although he had to leave home to attend school and live independently in rented accommodation, he devoted his spare time, weekends, and school holidays to intensive practice, steadily developing strong design skills. ...more.

臺科大設計系結合原民、永續、國際設計研究 閃耀米蘭設計週

2026-07-02

Taiwan Tech’ s Department of Design showcases Indigenous Culture, Sustainability, and Global Design Research at Milan Design Week.

國立臺灣科技大學設計系於 2026 年米蘭設計周（Milan Design Week 2026）創下重要里程碑，以融合臺灣文化、永續設計與國際學術合作的創新成果，登上全球設計盛會舞台。展現臺科大設計教育與研究實力之外，也透過跨文化交流與國際合作，向世界呈現臺灣設計的多元特色與創新能量。秉持「城市即教室（The city as a classroom）」教育理念，臺科大設計系共有 18 位師生走出校園，將學習場域延伸至全球設計現場，將臺灣的文化記憶與全球頂尖學術網絡無縫接軌，使學生於國際環境中直接接軌設計產業、學術研究與社會實踐，培養跨文化視野與全球競爭力。臺科大設計系主任林廷宜表示，臺科大設計系獲邀成為「CASA Taiwan」計畫參與單位之一，成為首所受邀以設計形式在國際舞台呈現臺灣文化特色的臺灣高等教育機構，透過設計語彙展現臺灣深厚文化實力。...點擊看更多



Taiwan Tech's Department of Design reached a significant milestone at Milan Design Week 2026, showcasing innovative achievements that integrate Taiwanese culture, sustainable design, and international academic collaboration on one of the world's most prestigious design stages. The participation not only demonstrated the strength of Taiwan Tech's design education and research but also highlighted the diversity and creativity of Taiwanese design through cross-cultural exchange and international partnerships.Guided by the educational philosophy of “The City as a Classroom”, a delegation of 18 faculty members and students from Taiwan Tech's Department of Design extended their learning beyond the campus into the global design arena. By connecting Taiwan's cultural heritage with world-leading academic networks, students engaged directly with the international design industry, academic research, and social practice, cultivating cross-cultural perspectives and global competitiveness.…more.

臺科大師培中心推動 AI 教育向下扎根 攜手多校舉辦高中職 AI 應用競賽

2026-07-01

Taiwan Tech partners with NTU Cancer Center to launch a strategic alliance for smart healthcare.



國立臺灣科技大學師資培育中心長期深耕科技教育與師資培力，積極推動 AI 教育向下扎根，今年與國科會、北科大、政治大學及臺北醫學大學等單位共同推動第二屆「AI for a Better Future」全國高中職人工智慧創新應用競賽，本屆共有來自全臺各地 12 組優秀隊伍晉級決賽，學生運用 AI 技術回應防詐騙、健康照護、智慧教育、公共安全等議題，體現 AI 教育結合社會實踐的成果。競賽源自「AI for Good - 高中職學生人工智慧科普教育推廣計畫」，致力縮短城鄉與校際間的教育資源差距，讓全國高中職學生皆有機會接觸、學習並應用 AI 技術。臺科大師資培育中心呼應聯合國永續發展目標(SDGs)中優質教育、產業創新及減少不平等等核心精神，透過參與計畫並運用大學端專業資源與教育能量，協助高中職教師及學生建立 AI 素養，讓 AI 教育真正走入校園，成為師生解決社會問題的重要工具。…點擊看更多

Taiwan Tech's Center for Teacher Education has long been committed to advancing technology education and teacher professional development while actively promoting AI education at the K–12 level. This year, in collaboration with the National Science and Technology Council (NSTC), National Taipei University of Technology, National Chengchi University, and Taipei Medical University, the Center co-organized the 2nd “AI for a Better Future” National Senior High School and Vocational High School Artificial Intelligence Innovation Application Competition. A total of 12 outstanding teams from across Taiwan advanced to the finals, where students applied AI technologies to address issues such as fraud prevention, healthcare, smart education, and public safety, demonstrating how AI education can be integrated with meaningful social practice.…more.