

2020



TAIWAN EXPERIENCE EDUCATION PROGRAM


www.studyintaiwan.org/teep

ABOUT TEEP

In 2015, Taiwan's Ministry of Education launched the Taiwan Experience Education Program (TEEP) to encourage more international students to participate in short-term professional internship projects organized by domestic universities and colleges. TEEP also allows international students to gain in-depth educational experience in Taiwan, while also preparing themselves for the Asian job market.

INTERNSHIP PLUS MANDARIN CHINESE LEARNING

The wide range of programs under TEEP provides students from all backgrounds with the opportunity to immerse themselves in the operations of key Taiwan companies and industries. Moreover, TEEP helps students find relevant and useful job placements at various companies. In these positions, students will gain firsthand knowledge that will put them well on their way in the business world. All participants are provided with high quality dormitory accommodations, as well as opportunities to learn to speak Mandarin Chinese. To ease participants into their internships in Taiwan, TEEP also features cultural immersion activities to improve language and cultural fluency.



Copyright © 2020 FICET, All Rights Reserved



TAIWAN AT A GLANCE

Capital :
Taipei CityTotal area :
36,000 square kilometersGDP (per capita) in 2019 :
US\$ 25,917 (estimate)Population :
approximately 23 million (56th in the world)Population density :
652 people per square kilometer
(10th in the world)Official language :
Mandarin Chinese
(with traditional Chinese character system)Number of universities in 2019 :
152 (48 public universities,
104 private universities)Number of students enrolled
in higher education in 2019 :
1,213,172Number of international students
in 2019 :
130,417

TEEP@AsiaPlus - Taiwan Experience Education Program for 500 International Talents

An increasing number of outstanding universities and colleges in Taiwan now offer TEEP@AsiaPlus - short term professional and research internship programs for 500 international talents to experience Taiwan's quality higher education and make personal connections with the Asian job market.

TEEP programs are available in such fields as ICT (Information Communication Technology), International Consulting, Internet of Things (IoT), Semiconductor, 5G Wireless Communication, Advanced Manufacturing, Wisdom Machinery, Green Energy, Biosensors, Logistics Management, Molecular Biology, Smart Health Care, Mandarin Lessons, Cultural Experience Courses, etc. TEEP@AsiaPlus fellowship is offered by various universities. For more details, please refer to the TEEP official website. www.studyintaiwan.org/teep/

UNIVERSITY / COLLEGE

PROGRAM THEME

Asia University	Deep Learning, Real Option Game; Big Data, Semiconductor, Biosensor, Artificial Intelligence, English Teaching
Chang Gung University	Reliability, 5G, Internet of Things, Intelligent Robots, Deep Learning, Computer Vision, Image, Processing
Chang Jung Christian University	Unmanned Aerial Vehicle, Unmanned Aircraft System, Orchid
China University of Technology	Cultural Heritage, Creative Design and Digitization, Sustainability
Chung Yuan Christian University	Chinese Language, Taiwan investigation, Language learning
Da-Yeh University	Design, Creative Industries, IP Character
Feng Chia University	Statistical Modeling, Machine Learning, Lidar System Design and Validation, Green Synergy
Fo Guang University	Mandarin Learning, Culture Exchange Activities, Internationalization

Fooyin University	Cultural Exchange, Environment Protection
Kaohsiung Medical University	Pharmaceutical Formulation, Multidiscipline, Herbal Medicine, Nanographene, Signaling, Transduction, Mass Spectrometry, Environmental Exposure Assessment, Cancer Biology, Metallodrugs, Organic Synthesis, Epidemiology, Photonic Nanomaterials, Polymers
Kun Shan University	Energy Storage Device, Asymmetric Supercapacitor, Zinc Air Battery
Ming Chi University of Technology	English Teaching practice, Mandarin Learning, Energy Technology
Nanhua University	Sustainable Environment, Organic Agriculture, Ecological Agriculture, Biotechnology, SDGs
National Central University	Signal Processing, Sensing Technology, Medical Device Design
National Changhua University of Education	Magnetic Random Access Memory, Organometallics, Semiconductor Engineering, Thermoelectric Materials, Liquid Crystals, Medicinal Chemistry, X-ray, Epistemic Beliefs, Fluorescence Spectroscopy, Digital Learning, Internet of Things, Novel Semiconductor
National Cheng Kung University	5G, Vehicular Network, Porous Materials, Energy Storage Technologies, Hydrodynamic Analysis, Microfluidics, Photolithography, Bilayer, Fluid mechanics, Biomedical Engineering, Jet biofuel, Solid State Ionics
National Chiao Tung University	Nanomaterials, Electro-optic Engineering, Chemo Sensor, Semiconductor, Entrepreneurship, 5G
National Chiayi University	E-learning, Osteoporosis, Tropical Fisheries, Asymmetric, Food Science
National Chin-Yi University of Technology	Community-Based Tourism, Internet of Things, Smart Machinery, Green Energy Technology
National Chung Cheng University	Biochemical Engineering, Epigenomics, Manufacturing Technology, Plasma, Fuel Cell, Machine-learning, UWB Radar, CMOS RFIC, Face Recognition, Big Data, Semiconductor, Photodetectors

National Chung Hsing University	Digital Media, Dermatology, Process Optimization, Robotics, International Relations, Value Chain, Crop, Tea, In vitro and In vivo
National Dong Hwa University	Solid Oxide Fuel Cells, Water Splitting, Titanium Dioxide, Mass Spectrometry, Circular Economy, Toxicoinformatics, Rural Experimental Education, 2D Magnetic Materials, Electrochemistry
National Formosa University	PUAV, Manufacture, Green Energy
National Ilan University	Microbial Fuel Cells, High Efficiency, Geopolymer, Global Collaborative Learning, Membrane Separation Technology, 5G/B5G Communication, H2 Formation, Electro-fermentation, Wastewater Treatment
National Kaohsiung Normal University	Educational Internship
National Kaohsiung University of Science and Technology	GIS, Remote Sensing, Value-added Agricultural Technologies, Water Treatment, Renewable Energy
National Pingtung University of Science and Technology	Vaccine, Virus, Monoclonal Antibody, Microbiome, Metagenomics, Quorum-sensing, Smart Machinery, Green Energy Technology, Food Processing, Extrusion Technology, Atmospheric Pressure Plasma Jet, UV LED, Volatile Organic Compounds, Boron Doped Diamond, Volatile Organic Compounds
National Quemoy University	Hotel Management, Kinmen, Duty-Free Shopping Mall
National Sun Yat-sen University	EFL Teachings, Semiconductor, Photocatalysis, Nanomaterials, Computation, Consulting, Biomass-based Materials, Bioenergy, Biorefinery, Translational Medicine, Gene Regulation, Urothelial Carcinoma



National Taipei University of Technology	Photocatalysis, Water Treatment, Membrane, Geopolymer, Exoskeleton, Nanoparticle, Automation, Synthesis, Electrochemistry, Semiconductor, Machine Learning, Big Data, 2D Materials, Nanomaterial Synthesis, Bioelectrochemistry, 3D Printing, Additive Manufacturing, Artificial Intelligence, Self-Driven
National Taiwan Normal University	2D Materials, Optoelectronics, Valleytronics, Laser Physics, Structured Light, Magmatism, Volcanism, Neural Networks, Monte Carlo, Tensor Networks, Dark Matter, Neutrino, Optics, Holography, STEM Education, Humanoid Robotics, Reinforcement Learning, Layered Quantum Materials, Optical Properties, Eye Tracking, Human-Machine Interface, Gaze Tracking, Organic Synthesis, Enantioselectivity, Observational Seismology, High Performance Computing, Magnetism, Spintronics, Terahertz, Gravitational Wave Astronomy, Superconductor, Electronic Structure, Topological Materials, Robotics
National Taiwan University	Batteries, Quantum Dots, Nano Materials, Electro-Optical Materials, 2D Materials, Scanning Tunneling Microscopy, Vacuum Science and Technology, Semiconductor, Si-based Technology, Mid-infrared Detection
National Taiwan University of Science and Technology	5G, Machine Learning, Internet of Things, Artificial Intelligence, Blockchain, APP, SDN, mmWave, Information and Communication Technology, IC Design/Layout, FPGA, Analog Circuit Design, Biofuel, Drug Delivery
National Tsing Hua University	Terahertz, Non-destructive Imaging, Wireless Communication, Children with Special Needs, Cognitive Neuroscience, ADHD
Oriental Institute of Technology	Culture, Creation, Digital Printing
Providence University	Cosmetics, Chemistry, Solar Cells, English Education Cosmetics, Chemistry, Solar Cells, English Education
Southern Taiwan University of Science and Technology	Assistive Device, Biomedical Engineering, Teaching English as a Foreign Language, Solar Cell, Deep learning, Texture Profile Analysis, Motor Control, Artificial Intelligent



Taipei medical university	Cancer Biology and Drug Discovery (CBDD), Pharmacogenomics, Geriatric Nutrition, Cancer Metabolism and Bioinformatics, Biomedicine, Translational Medicine, Viral Oncolytics, Artificial Intelligence, Big Data Analytics, Nanomaterials, Cancer Diagnosis, Biosensor, Consciousness, Cognition
Tamkang University	Electrochemical Processes, Wastewater, Membrane, Chemical Sensors, Organic Synthesis, Multimedia Security, Image Processing, Unmanned Aerial Vehicles, Drones, Simulation, Supercapacitor/Battery, Water Splitting, Toxicology, Angiogenesis, Zebrafish, Intelligent Manufacturing, Flapping Wing Aerodynamics, CMOS-MEMS, Wind Turbines
Tatung University	Biodiesel, Bioenergy, Catalysis, Participatory Design, Design Thinking, Social Innovation
Tatung University	Biodiesel, Bioenergy, Catalysis, Participatory Design, Design Thinking, Social Innovation
Tunghai University	Science, Chinese, Research, Internationalization
University of Taipei	Sports Nutrition, Medical Doctor, Fitness
Wenzao Ursuline University of Languages	Chinese Language Learning, Teaching English, Elementary School Teachers
Yuan Ze University	Design Thinking, Gerontechnology, Smart Production, Circular Economy, Biorefinery, Biotechnology, Industry 4.0, Smart Production and Management
Yuanpei University of Medical Technology	Food Analysis, Food Processing



TAIWAN EXPERIENCE EDUCATION PROGRAM

MORE INFORMATION



TEEP Official Website
www.studyintaiwan.org/teep



Study in Taiwan
www.studyintaiwan.org



Study in Taiwan Facebook
www.facebook.com/studyintaiwan



Ministry of Education
english.moe.gov.tw



Test of Chinese as a Foreign Language (TOCFL)
www.sc-top.org.tw



Taiwan Fellowships and Scholarships
tafs.mofa.gov.tw



Taiwan Embassies around the world
www.taiwanembassy.org



Tel +886-2-2322-2280
Website www.fichet.org.tw
Email fichet@fichet.org.tw

Taiwan Experience Education Program

Taiwan Experience Education Program: Global Internship in English Teaching

Southern Taiwan University of Science and
Technology (STUST)



In 2019, STUST inaugurated its successful TEEP program, welcoming 30 international students from all over the world, including Australia, North America, Europe and Asia. The 2019 program featured a summer camp offering diverse and creative activities to enhance the school's diverse international exchanges, as well as a global English language teaching internship to offer hands-on teaching experience at local elementary schools.

The 2020 program will focus on bolstering cultural exchanges, while drawing more students and teachers from different countries. The summer camp will facilitate full immersion in the culture and lifestyles of Tainan City, the cultural capital of Taiwan, while the internship, provided in several rounds throughout the year, will offer an intensive teaching and learning experience at local elementary and junior high schools featuring a sound English learning environment and effective English teaching methods. We hope our 2020 TEEP program will create benefits for participants, local schools, host families and all other stakeholders.

✉ teep.stust@gmail.com

🌐 www.facebook.com/groups/teep.stust

Short Term Research Platform Towards Promoting Environmental Protection- TEEP@Asiaplus in NIU, Taiwan

National Ilan University (NIU)

National Ilan University (NIU) is one of Taiwan's oldest institutions of higher education, and its participation in TEEP focuses on projects designed to expedite high-level research and teaching for new generations. To extend developing knowledge to the wider scientific community, NIU is prioritizing internationalization, with recent collaborations with multiple universities around the world to provide and promote high quality platforms for international academic exchange for students all over the world. The NIU Environmental Engineering Department is the only department of its kind in northeast/east Taiwan, led by Professor Chang-Tang Chang whose research interests include water/wastewater treatment, water resources regeneration, air pollution control, waste recovery and management, hydrogen production, soil and ground water remediation, biotechnology and its applications, environmental monitoring and assessment, environmental management systems, environment maintenance and management equipment and renewable energy. The Department provides international students with internship opportunities lasting 4-6 months, providing intensive interaction and collaboration with experts in Taiwan and from around the world.

This important platform:

- Provides a meeting place for highly talented scientific communities from around the world, allowing them to develop contacts and awareness of high quality research projects.
- Creates opportunities to work on novel ideas and gain practical knowledge in a wide range of fields. Offers a platform to develop Chinese proficiency through highly effective interactive sessions and classes.
- Provides cultural programs, trips and activities that help students better understand Taiwan and its unique culture. Provides opportunities to continue post-internship studies with attractive scholarships.

✉ ctchang@niu.edu.tw

🌐 <https://niu-en.niu.edu.tw/>

🌐 <https://ev.niu.edu.tw/p/412-1026-2971.php?Lang=en>

Explore Advanced Semiconductor Technologies at NCTU WLab

National Chiao Tung University (NCTU)

National Chiao Tung University (NCTU) explores advanced semiconductor technologies to uncover the develop next-generation electronics for the benefit of humanity. Through intensive collaboration with neighboring research hubs and the leading industries in the Hsinchu Science Park, NCTU has successfully nurtured outstanding talent in the semiconductor field. In 2015, NCTU established the International College of Semiconductor Technology (ICST), the world's first research institute dedicated to semiconductor R&D, to cultivate excellent talent ready to take on the challenges of moving this industry forward into the future. This makes the ICST the ideal place for international students to develop a broad vision for the future of advanced semiconductor technologies.



Under the leadership of Prof. Tian-Li Wu, the NCTU WLab led is dedicated to the development of advanced energy-efficient electronic devices. Our research focuses on 1) GaN and SiC power semiconductor and electronics, 2) advanced semiconductor materials and devices for sub-5nm logic, 3) industry-based analysis of device reliability and degradation, and 4) AI-assisted semiconductor device designs. Interns learn professional knowledge related to semiconductor device design, fabrication, assessment, and reliability analyses, and gain hands-on experience in state-of-the-art facilities, further broadening their career horizons in this global industry.

✉ tlwu@nctu.edu.tw

🌐 <https://wlabnctu.wixsite.com/wlabnctu>

A Global Internship Lab – 2020 TEEP@AsiaPlus x NSYSU, TAIWAN

National Sun Yat-sen University (NSYSU)

Do you have an idea for how to make a big impact? From June 24 to September 2, National Sun Yat-sen University (NSYSU) will be hosting the TEEP@AsiaPlus: International Consulting Program in Taiwan (ICPT). The program is a team internship opportunity for international youths interested in seeking future career development in the economically booming Asia region. Our program is well designed to facilitate the professional development of global youth while also helping Taiwanese enterprises gain more internationalized experience and talents. Participants will also have an inside track on full-time careers in Taiwanese firms. Since 2015, nine international students from the USA, Vietnam, Indonesia, and France have found full-time, management-track positions in local enterprises. Registration for this exciting opportunity closes April 30, 2020, so apply now.

Why should you join?

- Meet purpose-driven top talent with diverse backgrounds and expertise, and build strong, lasting friendships.
- Develop practical experience working on leading-edge ideas, and immerse yourself in Taiwanese business culture.
- Free language classes will enhance your communication proficiency in Chinese.
- Cultural trips and activities will expose you to the unique aspects of Taiwanese culture.
- Partial subsidies are available for airfare, with living cost allowances between NT\$25,000 and NT\$30,000 for the 10-week program.
- Meet recruiters for management-track positions at Taiwanese firms.

✉ haha21@g-mail.nsysu.edu.tw (Ms. Ashley Huang)

🌐 <http://teep.cam.nsysu.edu.tw>

🌐 <https://www.facebook.com/ICPT.NSYSU/>

🌐 <https://www.youtube.com/channel/UCaDjaSXhyWQe26mzuEaEkYw>

Study on the Topics of Biochemical Engineering and Biomedical Sciences (Systems Biology and Epigenomics)

National Chung Cheng University (CCU)



This project aims to recruit undergraduate and postgraduate students from universities in South and Southeast Asia technical training and short-term research projects at CCU. Topics of research cover biochemical engineering (applied microbiology, enzyme engineering, protein expression and large-scale production), systems biology, metabolic network simulation, cancer epigenomics, and neurodegenerative diseases. In the summer 2019 session, ten students were recruited from six universities including Chulalongkorn University, Kasetsart University and Assumption University in Thailand, USTH and the University of Danang in Vietnam, and the University of the Philippines. Students joined research projects under the supervision of faculty in the Department of Chemical Engineering and the Department of Biomedical Sciences. In one project, for example, a student investigated how aberrant Jak/STAT signaling contributes to the epigenetic silencing (DNA methylation) of tumor suppressors in gastric cancer. In the process, the student was trained in multiple current techniques including molecular cloning, real-time PCR and cell culturing. In another project, a student investigated the effect of DEHP on DNA methylation of dendritic cells, using bisulphite pyrosequencing to investigate DNA methylation. Other students were involved in projects related to recombinant protein expression, fermentation of organic acids and purification. These students later returned home to continue their research, and contributed to improved collaboration between CCU and their home universities. In past two years, four graduates of the program returned to CCU to pursue graduate studies.

✉ chmwd@ccu.edu.tw

Durability Analysis of Fuel Cells and Flow Batteries

National Chung Cheng University (CCU)

The CCU Fuel Cell Laboratory develops key components for low- and high-temperature proton exchange membrane fuel cells (LT-PEMFCs, HT-PEMFCs) and all-vanadium redox flow batteries (VRFB).

Facilities in our lab include: (1) an ultra-sonic spraying system for coating catalyst ink on the membrane or gas diffusion layer; (2) fuel cell test stations to measure the performance and durability of PEMFCs; and (3) battery testers to measure the charge-discharge curves of VRFBs.

We design membrane electrode assemblies and bipolar plates for fuel cell stacks and VRFB stacks and measure their performance. One of our current projects aims to develop an ultralight fuel cell stack for unmanned aerial vehicles applications.

Students in our laboratory have chances to attend international conferences for paper presentations during their course of study. Most of our studies are published in the Journal of Power Sources, Applied Energy, the International Journal of Hydrogen, and Energies. If you are interested in the research in fuel cells, flow batteries, or green energy technologies, you are welcome to join us.



✉ imeysc@ccu.edu.tw (Prof. Yong-Song Chen)

🌐 <https://sites.google.com/site/ccumefuelcell/>

TEEP@AsiaPlus@NCKU

National Cheng Kung University (NCKU)

One of Taiwan's top-ranked universities, NCKU is located in Tainan, a city famous for its unique cuisine. The university is composed of six colleges, including engineering, science, medicine, social science, business management and design, and the multi-disciplinary crossover collaboration is highly encouraged. In addition to academic research, NCKU is dedicated to promoting industry-academia cooperation, and promotes a strong entrepreneurial spirit among students and faculty.



The Department of Biomedical Engineering combines medicine and engineering to develop innovative medical devices, aiming to solve current limitations in medical examinations and treatments. In our lab, we use bio-electrochemical methods to develop biosensors, saving time and labor-intensive clinical examinations and providing precise results for timely treatments.

At NCKU, the TEEP@AsiaPlus Scholarship program feature many learning and social activities. Students can attend bio-electrochemistry and biosensor classes, and participate in many hands-on experiments including ring-shaped interdigitated electrode (RIDE) chip applications, loop-mediated isothermal amplification (LAMP), electrochemical detection methods, Fourier transform infrared spectroscopy, and various types of wafer fabrication techniques. This training program is designed to help students select a topic for study and provides opportunities to attend academic symposia, including the International Symposium on Chemical-Environmental-Biomedical Technology (isCEBT), to gain valuable experience in academic exchange. In terms of social activities, we arrange for industry tours and corporate visits so students can experience practical applications of biosensors in authentic healthcare settings and daily life.

✉ wandawithdream@gmail.com

Research in Electro-Optical Materials and Semiconductor Devices

National Taiwan University (NTU)



The Electro-Optical Materials and Semiconductor Devices Laboratory group at the NTU Department of Chemical Engineering is a well-known for its work in materials chemistry & physics, ceramics, and electro-optical materials and devices. Current research mainly focuses on energy generation, storage and usage. For energy generation, the group aims to develop Cu(In,Ga)Se₂ solar cells and photovoltaic devices based on perovskite materials. Energy storage research seeks to develop cathode, anode and electrolyte materials for Li-ion batteries and supercapacitors. The main aim of the energy usage research group is to develop light emitting diodes and display devices based on phosphor materials and quantum dots. In addition to highly motivated and talented students from Taiwan, the laboratory also includes several international masters, doctoral, and postdoctoral candidates with excellent backgrounds in Chemical Engineering, Chemistry, and Physics background. Candidates should have extensive experience in the synthesis and characterizations of various energy materials via different facile and green physical, chemical and solution routes for industrial applications with an emphasis on phosphor materials, solar cells, and Li batteries, and potential for making a significant contribution to our scientific program.

✉ chlu@ntu.edu.tw

🌐 <https://ntueed.wixsite.com/eed>