



TEEP



靜宜大學國際暨兩岸事務處
Office of International and Cross-Strait Affairs



TAIWAN **E**XPERIENCE
EDUCATION **P**ROGRAM

Government Approved

- TEEP was launched in 2015 by the Taiwan Ministry of Education (MOE).
- Every TEEP affiliated university program in Taiwan submits an annual budget and planning proposal for MOE review and approval.
- All programs must comply with government regulations to ensure the basic rights of international students and education quality.



**TAIWAN EXPERIENCE
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Internship

- TEEP participants will be placed in a laboratory, and provided with opportunities to attend seminars to enhance their professional capabilities.
- In addition to internships, you can also take related courses like an exchange student.
- TEEP participants do not need to be current students. Graduates can also apply.



**TAIWAN EXPERIENCE
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Scholarship Grants

- To help students meet living expenses, We offer eligible TEEP participants a \$12,000 monthly (up to 4 months) stipend to cover various related expenses
- The actual stipend amount is determined by each program director.



**TAIWAN EXPERIENCE
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- Duration :
- 4 months (2025/September-2025/December)

- Vacancy :
- Maximum 3 students per program

- Nomination deadline: 30 May 2025



**TAIWAN EXPERIENCE
EDUCATION PROGRAM**

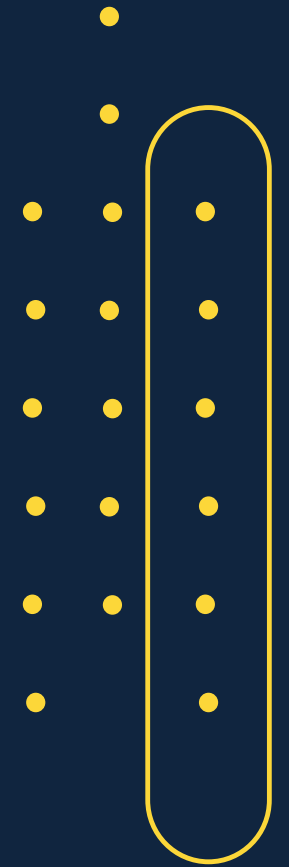
Application document

- Latest version of Transcript of Records
- Confirmation of English language level (CEFR B1 required)
- Copy of passport
- Photo (in jpg format)
- CV



TAIWAN EXPERIENCE
EDUCATION PROGRAM

1. 2025 Internship Program for Biotech-based Cosmetics



This project is expected to recruit students from “Asian Countries” to Taiwan to study the development of biotech-based cosmetics, and to intern in the industry during their studies to understand the actual operation of the industry and also accumulate their industry experiences. In addition to cultivating excellent international talents in biotech cosmetics, it is also expected to increase the opportunities for students from Asian Countries to further pursue degrees in Providence University.



TAIWAN **E**XPERIENCE
○ **E**DUICATION **P**ROGRAM

【 Contains 】

- (1) Lab study Professor's publications: <https://orcid.org/0000-0002-4664-2995>
- (2) Chinese language courses
- (3) Cosmetic science related courses Short-Term internship (optional):
Internship opportunity in cosmetic company Duration: at most 1-month internship/ traineeships
Content:
 - (A) R&D of Biotech-based cosmetics;
 - (B) Semi-finished product inspection (Q.C.);
 - (C) Commercial product development (P.M.)

Offering: Partial living expenses, NTD. 12,000 / month

Vacancy: 3 students

Duration: 4 months (at most)

Requirement:

1. Biotechnology, chemistry or cosmetic science related majors
2. Priority will be given to students from our sister schools

【 Program Info 】

Field: Natural Science

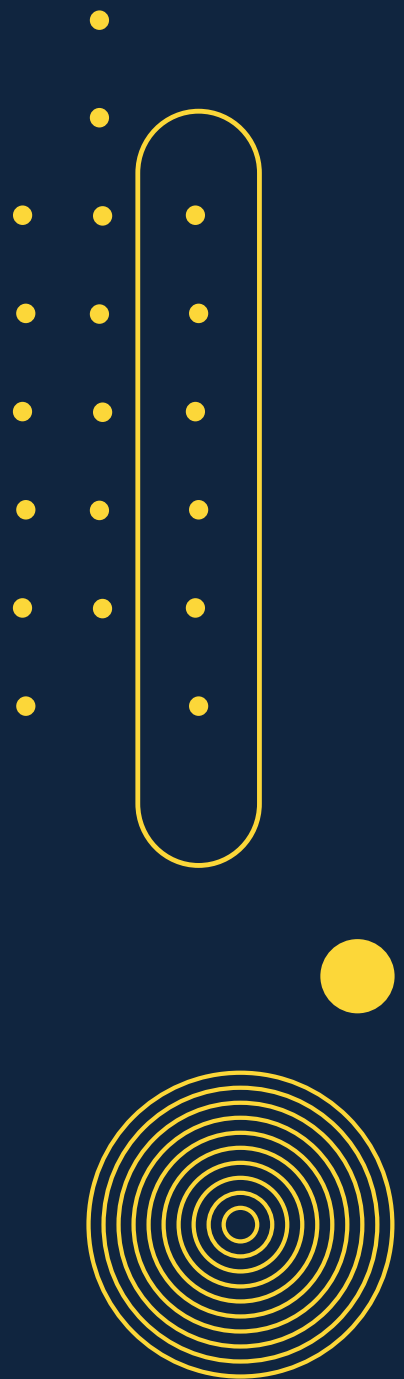
Organizer: Providence University/ Department of Cosmetic Science

Period of Apply: 2025/01/01 - 2025/05/31



Term: 2025/Sep. - 2025/Dec.

Fee: Dormitory Fees:


- Male Dormitory
NTD. 10,500 - NTD. 15,500 (Semester/Deposit is not included)
- Female Dormitory
NTD. 10,000 - NTD. 15,500 (Semester/Deposit is not included)



**TAIWAN EXPERIENCE
EDUCATION PROGRAM**



2. Counterfeit Detection Using Block chain and Deep Convolutional Neural Networks (DCNN)



Counterfeiting is a pervasive issue that impacts global supply chains, leading to economic losses, brand dilution, and risks to consumer safety. Existing counterfeit detection methods often lack scalability, accuracy, and security, making it difficult to efficiently track and authenticate products. This research presents a hybrid approach that leverages blockchain technology and Deep Convolutional Neural Networks (DCNN) to enhance counterfeit detection and supply chain transparency. Blockchain technology offers a decentralized and immutable ledger system, ensuring secure and tamper-proof storage of product metadata. By recording critical supply chain events on a blockchain, manufacturers, distributors, and consumers can verify product authenticity in real time. This transparency helps reduce fraud, prevent counterfeit infiltration, and establish a trustworthy ecosystem for various industries. Complementing blockchain's secure storage, DCNN plays a crucial role in counterfeit detection by analyzing structured data and visual inputs. Deep learning models, particularly DCNN, have demonstrated exceptional performance in pattern recognition and anomaly detection. By training a DCNN model on product metadata, QR codes, packaging images, and other identifiers, the system can detect counterfeit patterns with high accuracy. This integration enables real-time monitoring, providing alerts when anomalies or inconsistencies are detected in supply chain records. The proposed solution is designed to be robust, scalable, and applicable across multiple industries, including pharmaceuticals, electronics, food products, and luxury goods. **This research aims to develop a blockchain-based system that securely records and verifies supply chain metadata, ensuring transparency and immutability. Additionally, it focuses on training a DCNN model to analyze structured metadata and visual cues, enabling accurate counterfeit detection. Finally, the study seeks to create a unified framework that seamlessly integrates blockchain and DCNN to facilitate real-time counterfeit prevention and authentication. By combining the transparency and security of blockchain with the advanced detection capabilities of deep learning, this research aims to establish an innovative and effective approach to combating counterfeiting in global supply chains. Overall, this research attempts to bridge the gap between blockchain and AI by combining their strengths to address counterfeit detection challenges. The proposed solution leverages the transparency of blockchain and the advanced analytical capabilities of DCNN to deliver an efficient, secure, and scalable framework for modern supply chains.**





【 Program Info 】

Field: Business & Management

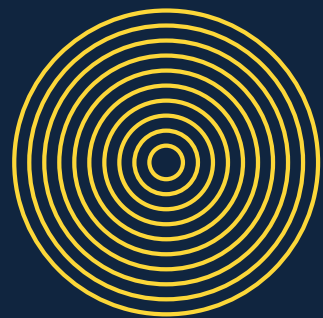
Organizer: International Business Administration Program

Period of Apply: 2025/04/01 - 2025/05/31

Term: 2025/Sep. - 2025/Dec.

Fee: A monthly stipend of up to 12,000 NT will be provided. Please note that only shortlisted candidates will receive a response after June 15, 2025, after which details of the stipend will be discussed.

Website of Program: oia.pu.edu.tw



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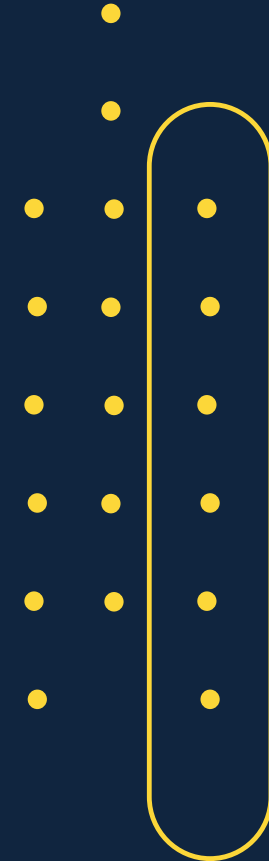
3. Developing Organic/Inorganic Functional Materials for Solar Cell and Lithium-ion battery Applications



[1] This project focuses on the development of "Novel Energy Harvesting and Storage Technology." Students joining this laboratory will actively participate in advanced materials research for next-generation solar cells and lithium-ion batteries. This involves the development of organic/hybrid materials, optimization of battery technologies, research publication, and the opportunity to enroll in courses related to green energy technologies, semiconductor, and opto-electronic materials. During the internship, students can expect comprehensive training in cutting-edge green energy technology, providing a strong foundation for further education.

[2] Our program is open to both undergraduate and graduate students majoring in chemistry-related fields, regardless of their nationality. Internships are designed to last for a college semester, typically spanning 4 to 6 months starting from September 2024.

[3] We offer essential resources, including experimental equipment, consumables, weekly internship progress discussions, and modest stipends to cover living expenses.



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【 Program Info 】

Field: Natural Science

Organizer: Department of Applied Chemistry

Period of Apply: 2025/04/01 - 2025/5/31

Term: Internship in the lab only

Fee:

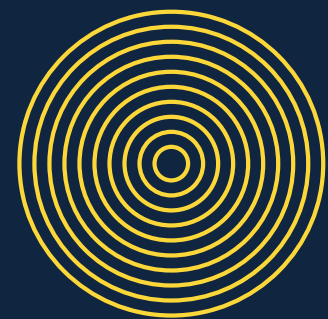
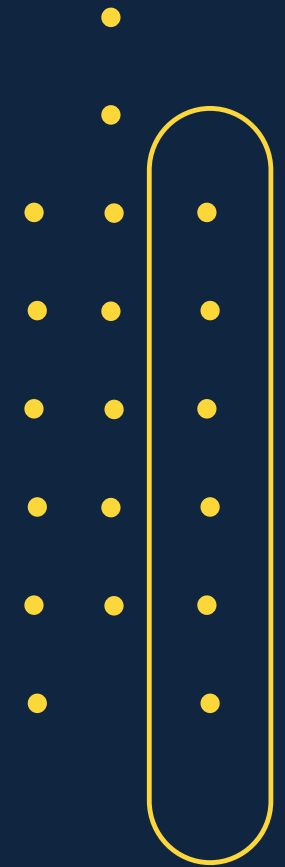
- Accommodation fee: NTD 11,000-14,000 (paid once)
- Insurance: NTD 500 (paid once)
- Other cost: NTD 5,000 (paid once)

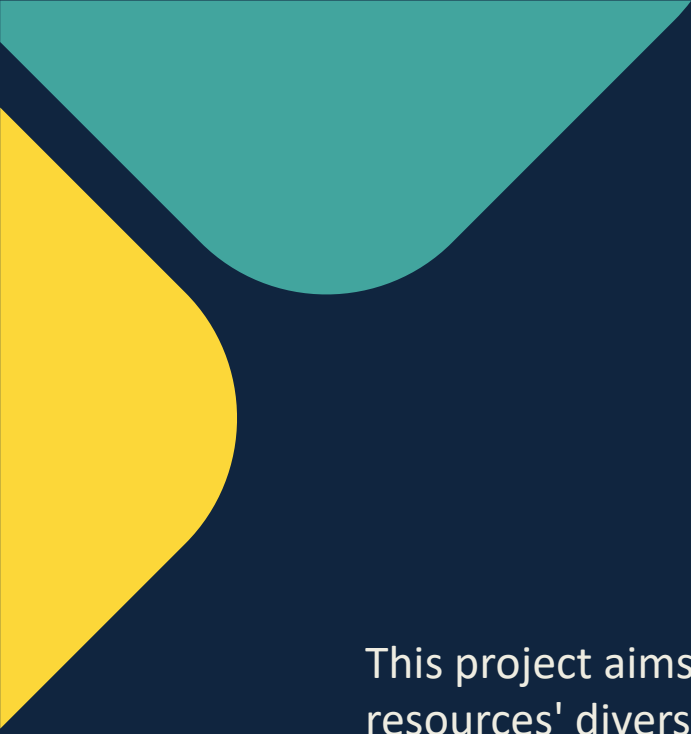
Website of Program: sites.google.com/view/hhchoulab/home



**TAIWAN EXPERIENCE
EDUCATION PROGRAM**

4. Exploring Practical Applications in Financial Engineering and Big Data





This project aims to offer practical training in financial engineering and big data applications to help participants better understand Taiwan's educational resources' diversity and strengths. Participating students will design individualized learning plans and utilize existing on-campus resources—such as company visits, hands-on projects, and workshops—to engage with industry experts.

The program offers three implementation pathways: Training Courses: Covering topics including financial engineering theories, big data analytics techniques, and practical applications of AI models. Internships: Involving participation in real-world projects with partner companies, such as developing financial risk analysis models, data cleansing, and visualization, to improve cross-cultural communication and problem-solving skills. Cross-Cultural Exchange: To enhance mutual interaction and understanding, joint project discussions, and cultural experience activities with Taiwanese students.

The project provides a monthly scholarship of at least NT\$12,000. University staff will assist with on-campus accommodation arrangements and administrative procedures for visa applications and school enrollment in Taiwan.

The program is expected to align with the academic calendar, starting around September 1, and will last at least 2 to 4 months. Applicants should have at least a high school diploma. A background in finance, information technology, or management is preferred. Proficiency in either Chinese or English is required.



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【 Program Info 】

Field: Business & Management

School: Providence University

Organizer: Department of Financial Engineering

Period of Apply: 2025/04/01 - 2025/5/31

Term: 2025/Sep. - 2025/Dec.

Website of Program: fe.pu.edu.tw/app/index.php



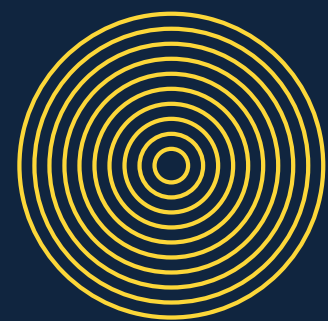
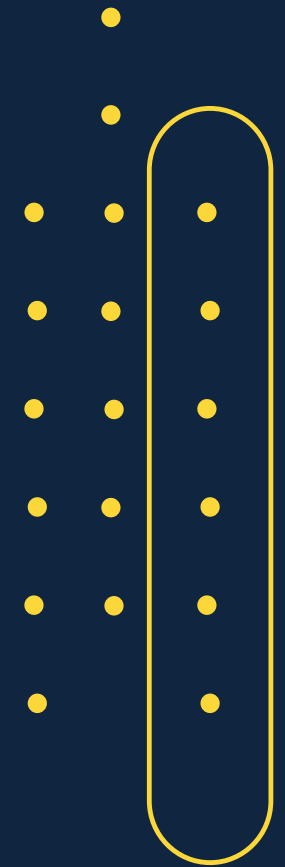
**TAIWAN EXPERIENCE
EDUCATION PROGRAM**

5. Machine Learning, Deep Learning, Artificial Intelligence





This program aims to explore the latest developments and applications of big data and artificial intelligence in Taiwan's technology industry, providing participants with insights into the diversity and advantages of Taiwan's educational resources. Participants can design their learning plans by utilizing existing on-campus resources, such as company visits, practical projects, and workshops, to engage in discussions with industry experts. The program can be carried out through the following approaches: Structured Learning Courses: Covering topics such as medical engineering theories, big data analysis techniques, and practical AI model applications. Internship Program: Engaging in real-world projects with partner companies, including medical model development, big data cleansing, and data visualization, to enhance AI-related skills and problem-solving abilities. Cross-Cultural Exchange: Enabling Taiwanese students to participate in joint project discussions and cultural exchange activities, fostering deeper interaction and collaboration.



TAIWAN EXPERIENCE
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【Programs】

- 1. Structured Learning Courses:** Covering medical engineering, big data analysis, and AI model applications.
- 2. Internship Program:** Real-world projects with partner companies to enhance AI skills and problem-solving.
- 3. Cross-Cultural Exchange:** Taiwanese students join joint projects and cultural activities.

Support and Scholarship:

- Monthly scholarship of at least NT\$12,000.
- Assistance with accommodation, visa, and administrative procedures.

Duration:

- Starts around September 1st, with a minimum duration of 2-4 months.

Eligibility:

- High school diploma required.
- Preferred background in computer science, data science, or programming.
- Proficiency in Chinese and English.



【 Program Info 】

Field: Engineering

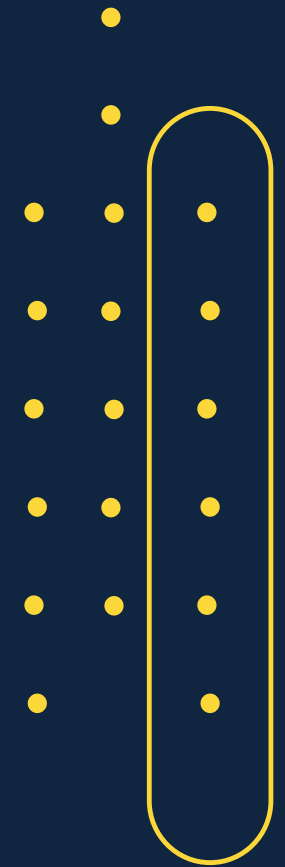
School: Providence University

Organizer: Department of data science and big data analytics

Period of Apply: 2025/04/01 - 2025/05/31

Term: 2025/Sep. - 2025/Dec.

Website of Program: ds.pu.edu.tw



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6. Providence University Taiwan – Western Michigan University Industrial



TAIWAN EXPERIENCE
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To encourage student exchange for gaining practical experience from the local industry. Companies include integrated circuits (IC) manufacturing, environmental engineering, assistive care, automotive parts and accessories.



TAIWAN EXPERIENCE
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【 Program Info 】

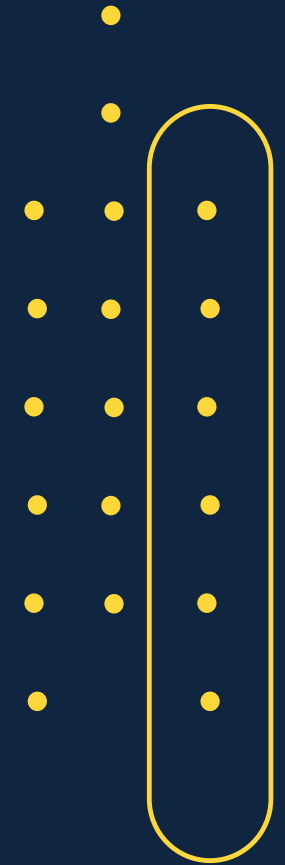
Field: Engineering

Organizer: College of Computing and Informatics

Period of Apply: 2025/04/01 - 2025/05/31

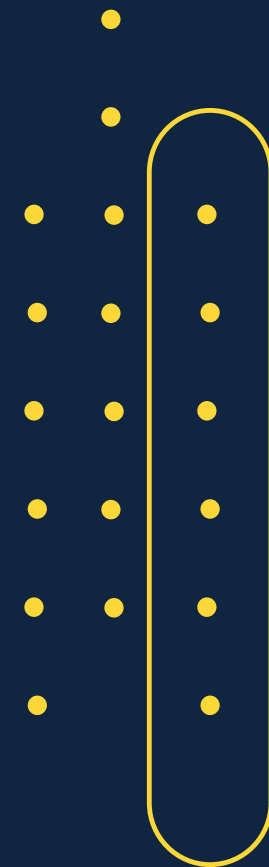
Term: 2025 Fall Semester for up to three months

Fee: TWD12,000 per month



TAIWAN EXPERIENCE
EDUCATION PROGRAM

7. Green synthesis of Ag-TiO₂ nanocomposites as sunscreen ingredients



"Green synthesis of Ag-TiO₂ nanocomposites as sunscreen ingredients" may encompass the following content:

Introduction:

Introduction to the application of nanotechnology in the cosmetics industry.

Importance of sunscreen products and current challenges in the market.

Introduction of Ag-TiO₂ nanocomposites as potential green sunscreen ingredients.

Green synthesis method of Ag-TiO₂ nanocomposites:

Explanation of the reasons for using green synthesis methods, such as reducing environmental impact and minimizing the use of harmful substances.

Detailed description of the steps involved in synthesizing Ag-TiO₂ nanocomposites, potentially involving eco-friendly methods like plant extracts or microbial synthesis.

Characterization of nanocomposites:

Characterization of the structure, morphology, and chemical composition of Ag-TiO₂ nanocomposites.

Use of various instruments (such as TEM, XRD, FTIR, etc.) for comprehensive analysis to confirm successful synthesis and evaluate stability.

Sunscreen performance assessment:

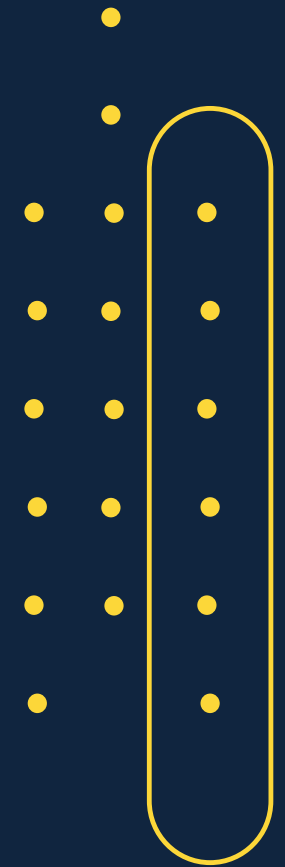
Testing the absorption performance of Ag-TiO₂ nanocomposites under different wavelengths of light.

Evaluating their effectiveness as sunscreen ingredients by assessing their blocking effect against ultraviolet radiation.

Biocompatibility and environmental friendliness:

Assessing the biocompatibility of Ag-TiO₂ nanocomposites through cell experiments and skin irritation tests.

Exploring potential environmental impacts, such as ecological toxicity and risk assessment.



【 Program Info 】

Field: Natural Science

Organizer: Providence University/ Department of Cosmetic Science

Period of Apply: 2025/04/01 - 2025/05/31

Vacancy: 1 student

Term: 2025/Sep. - 2025/Dec.

Fee: Monthly scholarship of 10,000 NTD along with on-campus dormitory accommodation.

Website of Program: oia.pu.edu.tw/p/426-1048-6.php?Lang=en

