



國立高雄大學

National University of Kaohsiung







# 國立高雄大學

National University of Kaohsiung

- Sustainable Campus
- Model Green University



## Comprehensive teaching and research university

*Young University* (Founded in 2000)

*Young Professors* (Average age 47.7, 99.5% own Ph.D.)

*New Facilities* (student activity center, sports complex)



## Rank of 2022

《 SDG12 Responsible Consumption and Production 》  
placed **4<sup>th</sup>**

《 SDG 11 Sustainable Cities 》

《 SDG16 Peace and Justice 》

Placed **5<sup>th</sup>**

Young University Ranking 2022

**401+**



Ranks **401–600** in the world  
Of 1,406 universities around the world



# Campus Walking Map

**Library and Information Building**  
Open for citizen to establish a lifelong learning society.

**Sunflower Windmills**  
Three windmills with the outlook of sunflowers on campus can collect water through wind power. Besides, to achieve the goals of environmental protection, energy conservation, and recycling, the water can be used for circulating watering and irrigating.

**European Plaza**  
The geometric plaza, Rain Trees in lines and the umbrella-shape trees, they formed the unique scene at the European plaza.

**Scholar**  
A cup of coffee leans on a book and add extra flavor for reading, and it is regarded as the symbol of knowledge.

**Open campus**  
The campus is 82.5 hectares, a green university without walls.

**Indian Coral Tree (Erythrina variegata)**  
Transplanted from outside of the campus on 2000, is the most historical tree in NUK.

**Ecological Lake**  
The ecological lake on our campus was constructed by ecological engineering methods to build a diverse habitats environment, and was awarded as the "Wetlands of National Importance" by Ministry of the Interior in 2011.

**Deciphered the Animated Earth**  
An old key thrusts into stone, serves as the inspiration for this creation and it expresses the key of exploration. Solar energy light was equipped, therefore, it can restore electricity when daylight, and emit blue LED ray after night falls.

**Root in earth**  
It was designed as man's molar, canine, incisor and other 5 teeth surrounded by plants and become road-baffles in pedestrian trails on campus.

**A-Dai, Guard of NUK**  
A monument was set up to commemorate A-Dai, a beagle. He guarded our campus loyally during the hard time of established period.

**Mutual Interaction**  
A public art located in the half moon-shape square between College of Law and College of Management. The two marble sculptures are meaningful; one near College of Law is Rudolf von Jhering, a Germany scholar, also the father of Sociology of Law in nineteenth century and the other near the College of Management is Peter Ferdinand Drucker, an American scholar, the founder of modern management in twentieth century.

**Earth Concerto**  
Four elegant sculptures shaped as French horn, Mandolin, Clarinet and Harp echo light-hearted melody through visual imagination.

**Memory Stone**  
To the memory of the First graduate, they went through the hard time of established period. There is a time capsule with their wishes to NUK and was buried one meter deep beneath the stone.

★ Campus Scenes  
ATM ATM  
Restaurant  
Convenient store  
Add : 700, Kaohsiung University Rd., Nanzih District, 81148, Kaohsiung, Taiwan, R.O.C.  
Web : www.nuk.edu.tw



## 5th Largest Campus in Taiwan = 116 Football Fields



U-Bike is available on campus.

# Green Campus (82.5 hectares)





# Semiconductor Process Program (SPP)

A Joint master program supported by different departments.





# Curriculum

Graduation Threshold: at least 21 credits

Compulsory: 6 credits    Elective: 15 credits

	Semiconductor Fabrication Program	Credits
<b>Compulsory</b>	Introduction to Semiconductor Fabrication	3
	Physic of Semiconductor Device	3
<b>Elective</b>	Semiconductor Lithography	3
	Introduction of Etch Process	2
	Thin Film Fabrication	3
	Material Analysis	3
	Vacuum Technology	3
	Trends in IC Packaging	3
	Introduction of Diffusion Process	1
	Introduction to Light-Emitting Diode Technology	3
	Introduction to VLSI Design	3



# Professors



## Dr. Shioh-Huey Chuang

Dean, College of Science

- **Research Field:**

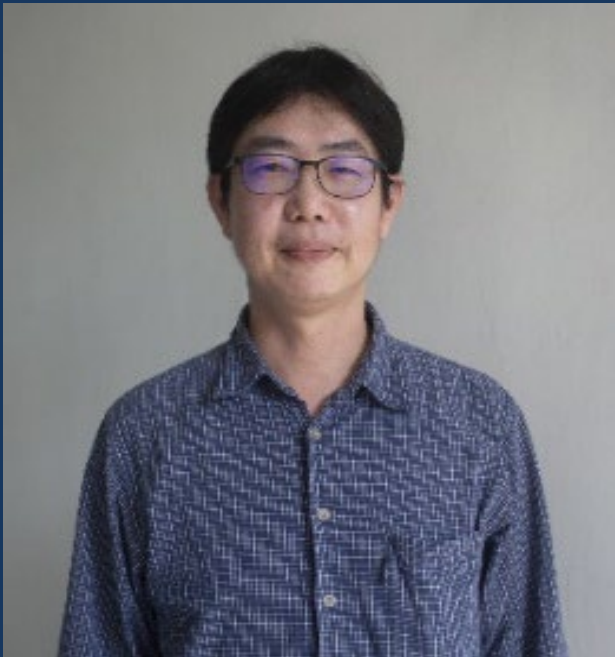
Inorganic Chemistry, Material Chemistry

- **Experience:**

1. National Nano Device Laboratories (NDL)- Associate Research Fellow

2. Lam Research- Senior Engineer of Technology Research Center

# Professors



## Dr. Fu-Ken Liu

- **Research Field:**

Analytical Chemistry, Instrumental Analysis

- **Experience:**

1. National Nano Device Laboratories (NDL)- Biochemical Photonics Technology- Associate Research Fellow
2. National Micron Device Laboratories- Back-end Processes- Associate Research Fellow

# Professors



## Dr. Song-Mao Wu

- **Research Field:**

Electronic Packaging Design, Signal integrity Analysis and Validation, Analysis Circuit Extraction

- **Experience:**

ASE- Core Technology Center- Assistant Manager



# Professors



## Dr. Siou-Ying Jheng

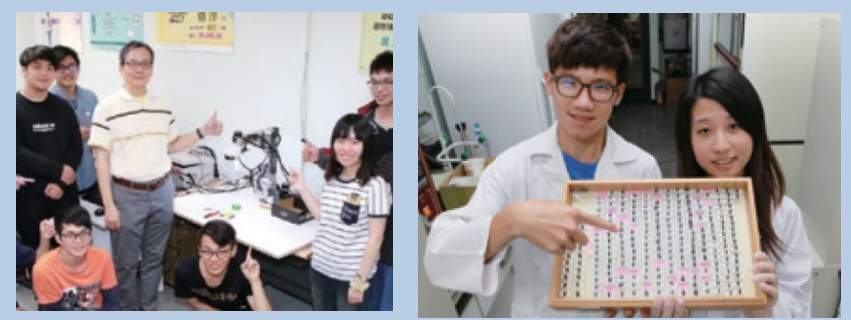
- **Research Field:**

Chemical kinetics, Advanced photolithography, Photochemistry

- **Experience:**

1. TSMC- photolithography research- Assistant Manager
2. ASML- Field Application Engineer
3. National Synchrotron Radiation Research Center- Associate Research Fellow

# SPP supportive departments:



## Department of Applied Physics

- ✓ Bachelor
- ✓ Master

## Department of Applied Chemistry

- ✓ Bachelor
- ✓ Master

## Department of Electrical Engineering

- ✓ Bachelor
- ✓ Master
- ✓ PhD

- Combine education and research in the fields of “**Nanotechnology**”, “**Optoelectronics**”, “**Magnetic**” and “**Semiconductors**”.
- Close collaborations with industries which provide more opportunities to participate in industrial development .
- **Traditional basic subject:** organic chemistry, inorganic chemistry, analytical chemistry and physical chemistry.
- **Other elective courses related to high-tech industries:** Semiconductor manufacturing, advanced material processing, material analysis, etc..
- Focus on the research and development in the fields of “**Communication**”, “**Optoelectronics**”, “**Computer**” and “**Microelectronics**”.
- Provide students more opportunities to participate in industrial development and become technological talents with practical experience and abilities.

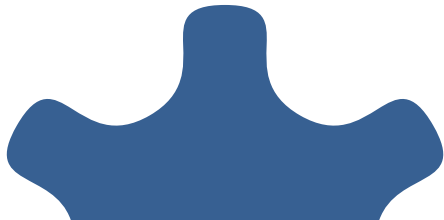




# NUK Scholarships

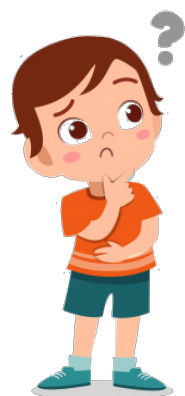


Applicant		Application Documents
Foreign Students	Full or Partial tuition waiver of the first year (applicable once a year)	*Apply with the admission application. 1. Scholarship Application Form 2. A copy of transcript 3. Certificates for academic and extracurricular activity performance
Foreign Students	Cost of Living Allowance: average NTD20,000	
Overseas Chinese Student	NTD5,000/time (applicable once a year)	1. A copy of transcript 2. Certificates for academic and extracurricular activity performance



*NUK Tuition: US\$1,600~1,900/semester*


*Living Expenses: US\$260/month*



學費	Tuition				單位：新台幣元 每學期 NTD\$ per semester	
	法學院 College of Law	管理學院 College of Management	理學院 College of Science	工學院 College of Engineering		
僑生 Chinese Foreigner	23,320	23,320	26,510	26,720		
外籍生 Foreigner	46,000	47,000	54,000	54,000		
人文與社會科學院 College of Humanities and Social Science						
· 西洋語文學系 · 工藝與創意設計學系 · 運動健康與休閒學系 · 東亞語文學系 · 建築學系 · 運動競技學系						
僑生 Chinese Foreigner	23,320	26,720	26,510			
外籍生 Foreigner	46,000	54,000	54,000			


碩士全英文學程 Master Full English-Taught Program

	國際商業管理碩士學位學程 IMBA	應用科學碩士學位學程 ASM
兩年學費 2 Years Tuition Fees	177,600	212,000

 **住宿費**  
Housing

- On-Campus Dormitory  
NT\$7,250-9,800  
(per semester)
- Off-Campus Housing  
NT\$3,000-5,000  
(per month)

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 **生活費**  
Living Expenses

- NT\$7,000 per month



SPRING SEMESTER 2023

**ADMISSION  
OPEN NOW**

Application Deadline

**2022/11/13**

Enrollment  
Quota of **30**

ASE is the world's leading provider of independent semiconductor manufacturing services in assembly and test.



**Offer  
Scholarships**

Total amount top to  
**NT\$200,000**



**Employment  
upon  
Graduation**

Work as a professional  
white collar engineer  
in ASE Group

**National  
University**

Graduated with a  
Master Degree Program  
from NUK



Welcome  
students from  
Philippines  
to join us!

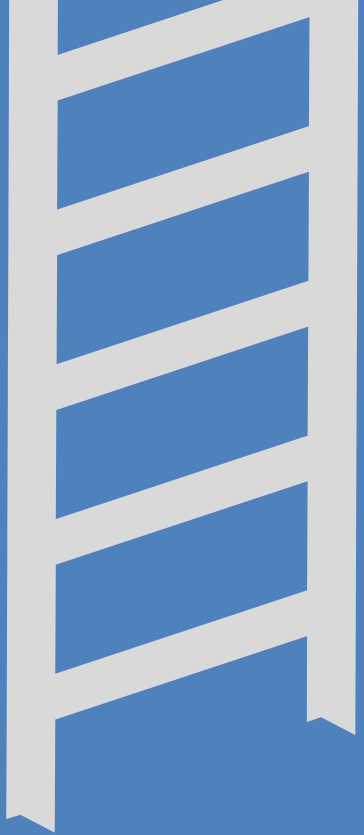


Register Now >>

# NUK X ASE

## International Industry Master's Program of Intelligent Semiconductor Packaging and Testing Technology

- ✓ Currently only for Philippines students, more nationality inclusive is being discussed.
- ✓ Study period: 2 years
- ✓ Internship is required. (Salary provided)
- ✓ Offer master scholarships NT\$200,000.
- ✓ Student's responsibility: Must work for ASE for 2 years after obtaining the graduation certificate of this program



Thank You!