

2025 NCHU SEMICONDUCTOR SUMMER SCHOOL

Program Duration: August 11 – August 22, 2025 (2 weeks)

Location: Applied Science & Technology Building,
National Chung Hsing University (NCHU), Taiwan

Program Schedule

Week 1↵	Morning 9-12am ↓ Lecture↵	Afternoon 2-5pm↓ Hand-on↵
Day 1↵	Introduction to Semiconductors(I)↵	Lab Tour in iCAST/ Circuits with Arduino(I)↵
Day 2↵	IC Design↵	Circuits with <u>Arduino</u> (II)↵
Day 3↵	Semiconductor Materials↵	Photomask Design & Patterning ↵ Sample Preparation Techniques↵
Day 4↵	Thin Film Technology↵	Lithography, Etching & Deposition↵
Day 5↵	Solar Cell Semiconductor Devices↵	Optical Microscope (OM) & Atomic Force Microscope (AFM)↵
↵		
Week 2↵	Morning 9-12am↓ Lecture↵	Afternoon 2-5pm↓ Hand-on↵
Day 6↵	Green Technology↵	Packaging and Testing↵
Day 7↵	Green Manufacturing↵	Scanning Electron Microscope (SEM)↵
Day 8↵	Semiconductor Manufacturing↵	Packaging & Testing application↵ (ICPMS)↵
Day 9↵	Semiconductor Devices↵	Cultural Visit: National Museum of Natural Science (NMNS) –“ TSMC Semiconductor World “ Visit↵
Day 10↵	Future Semiconductor Technologies↵	Lab Report and Group Presentations↵ Closing↵

* The course schedule and content may be adjusted based on actual circumstances, with the final decision reserved by the course provider.

2025

NCHU SEMICONDUCTOR SUMMER SCHOOL

Eligibility :

1. Current undergraduate or graduate students in science and engineering fields.
2. Limited to 15 participants.

Scholarship :

We provide partial scholarships for eligible participants. Each student may receive a tuition waiver or a scholarship amount of NT\$40,000 – NT\$50,000 (Final decision at the discretion of the organizing center).

Self-Funded Expenses :

1. Tuition Fee : NT\$10,000 (Waived for students from partner universities)
2. Accommodation Fee : NT\$ 6,000
3. Other Costs : Airfare, visa, travel insurance, meals, and other personal expenses

Application Requirements :

1. Completed application form.
2. Letter certifying student's enrollment at their home university.
3. Proof of English proficiency: TOEIC score of 600 or above (or equivalent certification).

Application Process :

Submit all required documents as a single PDF file to icast@dragon.nchu.edu.tw by April 30, 2025.

(Contact: Ms. Lo, +886-4-22840502#186)

Key Dates :

- Application Deadline: April 30, 2025
- Notification of Results: May 15, 2025

Additional Information

- The program will be conducted entirely in English. Participants must have an English proficiency level of TOEIC 600 or above.
- This program offers a unique opportunity to explore cutting-edge semiconductor technologies and experience Taiwan's vibrant culture.

For any inquiries, feel free to contact us at icast@dragon.nchu.edu.tw. We look forward to welcoming you to NCHU!