

# Semiconductor Talents Cultivation for MA/PhD

## Inter-disciplinary Talent 通才

### Core Compulsory Courses

- Introduction to Semiconductor Device
- Introduction to Semiconductor Design
- Introduction to Semiconductor Materials
- Introduction to Semiconductor Process

## Leadership Talent 活才

### Fundamental Compulsory Courses

- Seminar
- Leadership
- Industry Internship

## Semiconductor Talent 專才

### Dept. Device

### Required Elective Courses

### Dept. Design

- Device Basic Theory
- Semiconductor Physics
- Device Physics
- MEMS
- Semiconductor Memory
- Semiconductor Sensor
- Semiconductor Power Device
- Device Experiment
- High Frequency and Speciality Devices

- Digital Design Technology
- EDA
- Analog, RF, Mixed-signal
- AI and Signal Processing

### Dept. Material

### Dept. Process

- Module Process Technology
- Lithography
- Package Technology and Simulation

- Semiconductor Technology
- Kinetics and Thermodynamics of Materials
- Materials Analysis
- Polymer
- Functional Materials
- Materials and Process

Email : cosr\_ir@my.nthu.edu.tw



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# SCHOLARSHIP PROGRAM

College of Semiconductor Research  
(CoSR)

*Empowering your dreams with CoSR Scholarship Program.*

## ELIGIBILITY

- International students enrolled in CoSR
- Bachelor's degree with a strong background equivalent to EECS or semiconductor related
- Accept by the CoSR Professor for advisor

## SCHOLARSHIP:

- Master's Program: NT\$ 8,000~ 10,000 per month (up to 2 years)
- Ph.D. Program: NT\$ 15,000~20,000 per month (up to 4 years)

※The scholarship is approved for the first 12 months.

*Its continuation is dependent on your academic and research performance in proceeding months.*

## Benefits

- Affordable dormitory
- Respectful and inclusive multicultural campus
- Joining Industry-academia Collaboration Projects

