

SEMICONDUCTOR AND ELECTRO-OPTICAL ENGINEERING DEPARTMENT

1. Educational goals

To prepare students for careers in the industry by maintaining strong relationships with semiconductor companies. We also collaborate with industry mentors for joint teaching and offer internships to senior students to help them secure jobs after graduation

2. Course designs

Integrated circuit process and equipment engineering, semiconductor packaging technology, solar photovoltaics, solid-state lighting, flat panel display technology, semiconductor devices and physics, laser engineering, silicon photonics, co-packaged optics, and other related courses

3. Research fields

- (1) Semiconductor material and devices, solar cells, and solid-state lighting
- (2) Non-invasive glucose meter, underwater stealth technology
- (3) LCD process and OLED technology
- (4) Optical waveguide, sensors and metrology technology
- (5) Opto-Mechatronic system design
- (6) Laser technology in semiconductor industry

4. Available Programs for International Students

- (Chinese/English) 4-year bachelor & 2-year MS degree
- (Chinese/English) (1+4) year Industry Foundation Program (IFP) & (2+2) year INTENSE



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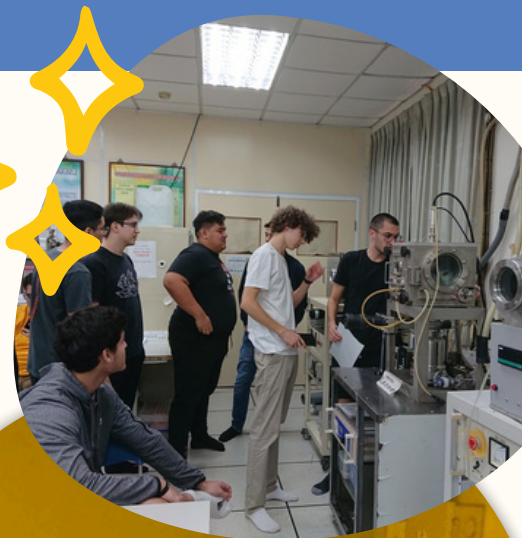
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