
Admission Brochure

2027 Fall International Master Program in Advanced Semiconductor Equipment (INTENSE Program)	
Degree	Master
College	College of Engineering
Begin Term	Fall (Enroll in September)
Language proficiency	English proficiency certificate/proof required • TOEIC 550 or above CEFR B1 Chinese proficiency certificate/proof required • Both Listening and Reading at least at level A2 before the end of the 3rd semester
Financial support	An English bank deposit statement issued within three months of at least US\$3,000 (~ NT\$90,000)

Application documents	• The highest-level degree diploma • The highest degree's full transcript of records • Financial statement • Recommendation letter x 2 • Statement of Purpose • Declaration of Nationality Form • Passport (if available) • Taiwan Alien Resident Certificate (ARC) (if available)
Documents required by department	• English personal statement (up to 1000 words) • Research plan (up to 3000 words) • English proficiency certificate • Other related references (ex. publications, journal papers, conference papers and technical reports)
Interview / Oral exam	Online interview with Collaborating Companies
Written exam	No
Additional notes	<u>Obligations</u> 1. Students receiving industry-academia scholarships from the National Development Fund, Taiwan are obligated to stay and work in Taiwan for a corresponding period based on the number of years they received the scholarship. 2. Those receiving a one-year industry-academia scholarship have a one-year obligation to stay and work in Taiwan, while those receiving a two-year industry-academia scholarship have a two-year obligation to stay and work in Taiwan.

***Notes

1. If a student withdraws from the program midway during the academic term due to personal reasons, such as applying for transfer to another program, changing majors, taking a leave of absence, or returning to their home country, and after counseling from the school, still decides to give up continuing in the program, or if the school, in accordance with its regulations, decides to withdraw or expel the student, **the student is required to fully repay any industry-academia scholarship funds received.**
2. If a student chooses not to work for the collaborating company or in a related industry field after graduation, and despite counseling from the school, **the student is required to fully repay any industry-academia scholarship funds received.**
3. If a student, after graduating and entering employment, violates company regulations leading to the lawful termination of the employment contract, and despite counseling from the school, **the student should repay the industry-academia scholarship funds proportionally based on the number of months not employed;** for a period less than one month, it will be counted as one month.
4. During the period of fulfilling the employment obligation after graduation, students are required to **work in a position within domestic collaborating companies in Taiwan.** They are not allowed to be dispatched to work at overseas branches or be employed by overseas Taiwanese-owned companies. **If a student fails to comply with the requirement of domestic employment, they should repay the industry-academia scholarship funds proportionally based on the number of months not employed in**

	Taiwan; for a period less than one month, it will be counted as one month.
Scholarship	1. National Development Fund, Taiwan: (1) NT 100,000 for the first year. (2) If you pass the Chinese proficiency test -Listening and Reading at least at level A2, you can get NT 100,000 for the second year. 2. Matching funding from Company: NT 240,000 / 2 years (NT 10,000 per month for up to 2 years). 3. Administrative fee: (1) The administrative fees have a maximum limit of NT\$10,000. (2) The one-way airfare is based on the most direct economy class flight to Taiwan. (Reimbursed with a maximum limit of NT\$9,000)
Introduction	This new program is designed to address the growing global demand for talent in the advanced semiconductor equipment industry. National Chung Cheng University (CCU) collaborates with industry partners through industry-academia cooperation programs to jointly recruit outstanding international students and provide a structured training pathway combining academic coursework and hands-on practical experience. The program focuses on advanced semiconductor equipment technologies, including equipment design, precision engineering, process integration, and intelligent manufacturing systems. By leveraging advances in micro- and nano-fabrication, automation, artificial intelligence, and mechatronic systems, the program aims to cultivate professionals capable of developing, operating, and optimizing next-generation semiconductor equipment for advanced manufacturing environments. Core research areas include: • Advanced Semiconductor Equipment Design and Development

	• Precision Engineering and Ultra-Precision Manufacturing for Semiconductor Equipment • Semiconductor Process Equipment Integration and Optimization • Intelligent Semiconductor Manufacturing Equipment Systems
Curriculum planning	This program is an all-English graduate program designed to attract, educate, and prepare students for leading roles in the field of Advanced Semiconductor Equipment. The program emphasizes the integration of multidisciplinary knowledge, including semiconductor equipment engineering, mechatronics, precision engineering and ultra-precision manufacturing, cloud computing, and artificial intelligence. Through a strong combination of theoretical learning and practical training, students will develop the technical expertise and system-level understanding required for the design, development, integration, and intelligent operation of advanced semiconductor equipment. The program also aims to cultivate leadership and problem-solving capabilities to support innovation in next-generation semiconductor manufacturing industries.
Future map	Employment career: Students should work in Taiwan after graduation for at least 2 years in a collaborating Company. *** <u>Collaborating Companies (Totally 3 companies and 12 positions)</u> 1. LuxNet Corporation 華星光通科技股份有限公司 (4 positions) : A. Optoelectronic Component Design and Development Engineer/ 2 positions B. Automated Optical Inspection (AOI) and AI Automation R&D Engineer / 2 positions https://www.luxnetcorp.com.tw/en-US 2. FAVITE Inc. 晶彩科技股份有限公司 (5 positions) :

	A. Automation Control Software Engineer / 1 position B. Image Processing Algorithm Engineer / 1 position C. Application Software Engineer / 1 position D. Mechanical Design Engineer / 1 position E. Customer Service Engineer / 1 position favite.com 3. FitTech Co., Ltd. 惠特科技股份有限公司 (3 positions) : A. Mechanical Design Engineer / 1 position B. Software Design Engineer / 1 position C. Laser Engineer / 1 position https://www.fittech.com.tw/
Website	This Program Website https://aimhi.ccu.edu.tw/p/404-1017-53935.php?Lang=zh-tw AIM-HI https://aimhi.ccu.edu.tw/index.php?Lang=en
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Getting to CCU



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