

**Equipment Engineer International Industry Talent Education Program**  
**專班名稱: 設備工程師專班**

Degree 學位	2-Year Post-Baccalaureate Degree/學士後二年制學士專班
College 學院	College of Engineering/工程學院
Department 學系	Department of Mechanical Engineering/機械工程系
Begin Term 開始學期	2025 Spring Semester (Enroll in February) /春季(2月入學)
Introduction Language 授課語言	Course taught in English/英文授課
Nationality of admission 招生國籍	Philippines/菲律賓
Language Proficiency 語言能力	<p>English proficiency certificate/ proof required</p> <ul style="list-style-type: none"> <li>● Above CEFR B1</li> </ul> <p>Chinese proficiency certificate/ proof required</p> <ul style="list-style-type: none"> <li>● Listening and reading at least level A2 in second year.</li> </ul> <p>英文能力</p> <ul style="list-style-type: none"> <li>● 須達 CEFR B1 級(含)以上</li> </ul> <p>入學第 2 年華語文能力測驗(TOCFL) 基礎級(Level 2, 相當於 CEFR A2)聽、讀 2 項皆須達 A2 級(含)以上</p>
Application Documents 申請文件	<ol style="list-style-type: none"> <li>1. Application form</li> <li>2. Personal information collection statement and agreement.</li> <li>3. The highest-level degree diploma and highest degree's full transcript of records.</li> <li>4. Language Proficiency Certificate (Certificate of TOEIC 550 or above CEFR B1)</li> <li>5. One photocopy of complete highest degree transcript</li> <li>6. Photocopy of passport (if available)</li> <li>7. Other advantageous documents. (For example: Language ability certificates, autobiography in Chinese or English, certificates of examinations, awards, ...etc.)</li> </ol> <ol style="list-style-type: none"> <li>1. 入學申請表正本 1 份</li> <li>2. 個人資料蒐集聲明暨同意書</li> <li>3. 外國學校最高學歷及成績單影本(中、英文以外之語言, 應附中文或英文譯本)</li> <li>4. 語文能力證明文件(多益 550 分或相當於 CEFR B1 等級以上之英文能力證明)</li> <li>5. 經認證之英文成績單</li> <li>6. 申請人護照影本 1 份。</li> <li>7. 其他有利之審查資料。(如: 語文證明、中文或英文自傳、證照、獎狀...等)</li> </ol>

<p>Interview/ Oral Exam 面試/口語 考試</p>	<p>Interview with Collaborating Companies 面試(與合作企業)</p>
<p>Written Exam 筆試</p>	<p>None 無</p>
<p>Additional Notes 補充說明</p>	<p><b>Obligations for Receiving Scholarship:</b></p> <ol style="list-style-type: none"> <li>1. Students who receive the Industrial-Academic Scholarship from the National Development Fund of Taiwan are obligated to work in Taiwan for a duration equivalent to the number of years they received the scholarship.</li> <li>2. For students who received the scholarship for 1 year, there is a 1-year obligation to work in Taiwan. For those who received the scholarship for 2 years, there is a 2-year obligation to work in Taiwan.</li> </ol> <p>領取獎學金義務</p> <ol style="list-style-type: none"> <li>1. 學生領取國發基金產學獎助金的學生，依據領取年限具有相應留臺就業年限的義務。</li> <li>2. 領取 1 年產學獎助金者，具有 1 年留臺就業義務，領取 2 年產學獎助金者，具有 2 年留臺就業義務。</li> </ol> <p><b>Repayment of Industrial-Academic Scholarship Due to Attributable Reasons:</b></p> <ol style="list-style-type: none"> <li>1. If a student discontinues the specialized program due to personal reasons during the period of study (such as transferring to another school or department, taking a leave of absence to return home), and if they withdraw from the program despite counseling from the school, or if they are dismissed or expelled due to school regulations, they must repay the full amount of the scholarship received.</li> <li>2. If a student's performance fails to meet the standards of both the school and the partnering enterprise, and after counseling, they still fail to improve and are dismissed or expelled according to school regulations, they must repay the full amount of the scholarship received.</li> <li>3. If a student chooses not to work in the partnering enterprise or a related industry field upon graduation and does not improve after counseling, they must repay the full amount of the scholarship received.</li> <li>4. If a student, after beginning employment, violates company regulations and is lawfully terminated, and does not improve after counseling, they must repay the scholarship in proportion to the remaining months of the employment obligation; any incomplete month will be rounded up to a full month.</li> <li>5. If a student leaves the partnering enterprise before completing the employment period equivalent to the scholarship duration, they must repay the scholarship in proportion to the remaining months; any incomplete month will be rounded up to a full month.</li> </ol> <p><b>Employment Obligations During the Post-Graduation Period:</b></p> <ol style="list-style-type: none"> <li>1. During the period of post-graduation employment obligation, students must work domestically at the partnering enterprise in Taiwan. They are not permitted to be assigned by the partnering enterprise to an overseas branch or to work for overseas Taiwanese businesses. If a student is not employed domestically as required, they must repay the scholarship in proportion to the number of months they fail to work in Taiwan; any incomplete month will be rounded up to a full month.</li> </ol> <p>***屬可歸責於學生之原因，應繳還產學獎助金：</p>

1. 就學期間因個人因素中途退出專班，如申請轉學、轉系、休學返國，經學校輔導後仍放棄繼續就讀專班、或經學校依學則退學、開除學籍等情形，學生應全額返還已領之產學獎助金。
2. 學生學習表現不佳，未通過學校及企業評核標準，並經學校輔導後仍無改善且依學則處以退學、開除學籍等情形，學生應全額返還已領之產學獎助金。
3. 學生畢業後選擇不至合作企業或相關產業領域就業，並經學校輔導後仍無改善者，學生應全額返還已領之產學獎助金。
4. 學生畢業就業後違反公司規定被依法終止勞動契約，並經學校輔導後仍無改善者，學生應依未就業之月數比例返還產學獎助金；不滿一月者，以一月計。
5. 學生於合作企業就業期間未滿受領產學獎助金年限：應依其未就業之月數比例繳還產學獎助金；不滿一月者，以一月計。

\*\*\*學生畢業後履行就業義務期間，應留臺於國內合作企業任職，不得由合作企業外派至國外分公司任職，或任職於海外臺商企業。如有前述未於國內就業情形，應依未於國內就業之月數比例返還已領之產學獎助金；不滿一月者，以一月計。

Scholarship  
獎學金

1. **Initial Necessary Administrative Expenses for First-Time Arrival in Taiwan:**  
One-time subsidy covering the costs of pre-arrival medical examination, visa fees, and document verification fees. The subsidy limits by region are as follows:
    - New Southbound countries and other countries: up to NTD 10,000.
    - Europe and the Americas: up to NTD 25,000 (reimbursed based on actual expenses).
  2. **One-Way Airfare to Taiwan:**  
One-time subsidy based on the cost of an economy-class one-way ticket for the most direct route to Taiwan.
    - New Southbound countries: up to NTD 9,000.
    - Europe and the Americas: up to NTD 35,000 (reimbursed based on actual expenses).
 The school should ask students to submit receipts for verification, and the exchange rate used should be based on the Taiwan Bank's USD to NTD rate on the date the receipt is issued.
  3. **National Development Fund Subsidy for Up to 2 Years of Tuition and Miscellaneous Fees Post-Enrollment:**
    - (1) Subsidy covers actual tuition and miscellaneous fees that the student is required to pay to the school, with an annual cap of NTD 100,000 (NTD 50,000 per semester).
    - (2) Tuition and fee subsidies are provided in the first year of enrollment. In the second year, students must achieve at least level A2 in listening and reading and must pass performance evaluations by the school and cooperating enterprise to qualify for the tuition fee subsidy.
  4. **Scholarship from the Partnering Enterprise:**  
The partnering enterprise provides a scholarship of NTD 10,000 per month (up to a maximum of 2 years, totaling NTD 240,000).
1. 初次來臺的相關必要行政費用：採一次性補助，包含來臺前的健康檢查費用、簽證費用及文書驗證費用，以地區分列補助上限為：新南向區域國家及其他國家上限新臺幣 1 萬元、歐美區域國家上限 2 萬 5,000 元(核實報支)。
  2. 來臺單程機票：採一次性補助，機票費用以來臺最直接航程之經濟艙單程機票核實請領，新南向區域國家上限為 9,000 元、歐美區域國家上限 3 萬 5,000 元(核實報支)。學校應請學生檢據核銷，並以收據開立當日之臺灣銀行美金對新臺幣匯率計算。
  3. 國發基金補助註冊入學後最多 2 年的學雜費：

- (1)依學生實際應繳交給學校的學雜費給予補助，每年補助上限 10 萬元（一學期上限為 5 萬元）。
- (2)學生入學第一年給予學雜費補助，第二年聽、讀 2 項皆須達 A2 級(含)以上，且需通過學校與合作企業審查成績與表現後，擇優核給學雜費補助。
4. 合作企業提供每個月一萬元獎學金（至多兩年，共計 24 萬元）。

Introduction of the Program  
本專班介紹及專班特色

This specialized program has been established to meet the demand for highly skilled talent among partner enterprises, and strengthen the domestic workforce structure by expanding enrollment for students from the Philippines. The program aims to attract outstanding Filipino international students to study in Taiwan, encouraging them to work in partner enterprises upon graduation. This aligns with Taiwan's population policies and industrial development strategy, supporting sustainable industry transformation, technological advancement, and the urgent need for talent in the semiconductor field. This program is industry-driven, designed to recruit international students to study in Taiwan with full involvement from partner enterprises in student selection, curriculum design, and internship training. It seeks to develop skilled professionals in the semiconductor field, achieving the goals of jointly cultivating and retaining talent.

本專班因應合作企業日月光半導體製造股份有限公司對於中高階技術人才需求及強化國內人力結構，擴大招收菲律賓國籍學生，吸引菲律賓優秀的國際生來臺就學，並於畢業後留合作企業發展就業，配合我國人口政策需求與臺灣產業布局，並對應國內產業永續轉型技術升級及半導體領域人才需求迫切，故開設本專班。本專班以企業用人需求為導向，招收國際學生來臺就學，企業全程參與招生選才、課程教學及實習培育等，擴大培育半導體領域技術人才，達到共同培育人才及留用人才的目標。

Curriculum Planning  
課程規劃

(一) 專班之畢業應修學分數

1. 畢業學分數：共48學分，含必修31學分(其中校外實習占10學分)、選修17學分(其中校外實習占0學分)。
2. 修業年限2年(含校內課程1年、校外實習1年)

(1) Graduation Credit Requirements for the Program

1. **Total Graduation Credits:** 48 credits in total, including 31 required credits (with 10 credits from off-campus internships) and 17 elective credits (with 0 credits from off-campus internships).
2. **Program Duration:** 2 years (including 1 year of on-campus courses and 1 year of off-campus internships).

(二) 課程規劃表((含校外實習，無則免列)

(2) Course Plan (including off-campus internships, if applicable)

Course Title 課程名稱	Course Outline 課程綱要	Teaching hours per week 授課時數	Required/ Elective 必選修	Credits 學分數	Grade Level 授課年級
實用生活華語-基礎級(一) Situational Chinese (I) - Waystage Level	1.著重生活實用詞彙，提升學習者對於真實情境的理解能力與應用能力。 2.八大主題:個人資料與家庭、日常生活、購物與商業行為、飲食與文化、居住與	3	必/ Required	3	一上 First Year, First Semester

	<p>環境、休閒與娛樂、旅行與交通、生活時尚。</p> <p>1. Emphasizes practical vocabulary for daily life, enhancing learners' understanding and application abilities in real-world situations.</p> <p>2. Eight major themes: personal information and family, daily life, shopping and business activities, food and culture, living and environment, leisure and entertainment, travel and transportation, lifestyle trends.</p>				
<p>職場溝通華語-基礎級</p> <p>Chinese for Workplace - Waystage Level</p>	<p>1. 著重職場實用詞彙，提升學習者對於真實情境的理解能力與應用能力。</p> <p>2. 主題: 你是誰-自我介紹、你要做什麼-工作內容、加班、請假、公司規定、臨時狀況、拜土地公、吃尾牙。</p> <p>1. Focuses on practical workplace vocabulary, boosting learners' comprehension and application skills in authentic situations.</p> <p>2. Themes: Self-introduction, work tasks, overtime, taking leaves, company policies, emergency situations, worshipping the Earth God, and year-end parties.</p>	3	必/ Required	3	一上 First Year, First Semester
<p>圖學</p> <p>Graphics</p>	<p>本課程針對培養各種工程圖之識圖和製圖能力。</p> <p>This course is aimed at developing the ability to read and create various engineering drawings.</p>	3	必/ Required	3	一上 First Year, First Semester
<p>機構學</p> <p>Mechanism</p>	<p>本課程能使學生了解機構的組成、功能、運動等特性。</p> <p>This course enables students to understand the composition, function, and motion characteristics of mechanisms.</p>	3	選 / Elective	3	一上 First Year, First Semester
<p>自動控制</p> <p>Automatic Control</p>	<p>讓學生了解自動控制的理論以及自動控制所需之技術。</p> <p>Educate students on the theory of automatic control and the technologies required for automation.</p>	3	選 / Elective	3	一上 First Year, First Semester

半導體概論 Introduction to Semiconductor	介紹半導體材料的種類與特性(矽、鍺等)半導體元件在日常生活中的應用。 Introduce the types and characteristics of semiconductor materials (silicon, germanium, etc.) and the applications of semiconductor components in daily life.	2	必/ Required	2	一上 First Year, First Semester
工業管理 Industrial Management	使學生了解企業功能及管理功能以及能有效率及有效能的從事管理實務。 Enable students to understand business and management functions, and to engage in management practices efficiently and effectively.	2	選/ Elective	2	一上 First Year, First Semester
實用生活華語-基礎級(二) Situational Chinese (II) - Waystage Level	1. 著重生活實用詞彙，提升學習者對於真實情境的理解能力與應用能力。 2. 八大主題: 教育與學習、健康與身體照護、人際關係、工作與社會、科技與創新、節慶與習俗、歷史與人文、地理與國際眺望。 1. Focuses on practical vocabulary for daily life, enhancing learners' understanding and application skills in real-world scenarios. 2. Eight major themes: education and learning, health and personal care, interpersonal relationships, work and society, technology and innovation, festivals and customs, history and culture, geography and global perspectives.	3	必	3	一下
華語文能力測驗聽力閱讀-基礎級 Chinese Listening and Reading Comprehension - Level 2	1. 華語文能力測驗基礎級1000詞。 2. 加強語法，同時練習與複習一千詞，模擬測驗使學生熟悉測驗方式。 3. 十大主題: 個人資料、房屋與家庭、環境，日常生活、休閒娛樂、飲食、與他人關係、健康及身體照顧、旅行、購物、教育。 1. Chinese Language Proficiency Test Basic Level 1000 Words. 2. Strengthen grammar, practice and review a thousand words simultaneously, mock exams to familiarize students with the test format. 3. Ten major themes: personal information, housing and family, environment, daily life, leisure and entertainment, food and dining, relationships with others, health and personal care, travel, shopping,	3	必/ Required	3	一下 First Year, Second Semester

	education.				
電腦輔助製圖 Computer-Aided Drawing	使學生瞭解 AutoCAD 軟體 相關知識及其應用。 Educate students on the knowledge of AutoCAD software and its applications.	3	必/ Required	3	一下 First Year, Second Semester
半導體材料與元 件 Elements and Material of Semiconductor	讓學生了解半導體元件設計 的原理以及讓學生了解半導 體元件設計的應用。 Let students understand the principles of semiconductor component design and the applications of semiconductor component design.	3	選/ Elective	3	一下 First Year, Second Semester
機械製造 Mechanical Manufacture	讓學生了解機械製造的理論 與方法以及機械製造在工業 上的應用。 Familiarize students with the theories and methods of mechanical manufacturing and its industrial applications.	3	選/ Elective	3	一下 First Year, Second Semester
半導體製程及實 習 Semiconductor Technology and Practice	使學生了解晶圓製造與加熱 製程含晶體結構與缺陷、高 溫氧化、高溫退火及擴散。 To enable students to understand the wafer manufacturing and heating processes including crystal structure and defects, high-temperature oxidation, high-temperature annealing, and diffusion.	3	選/ Elective	3	一下 First Year, Second Semester
機械工程專題討 論 Mechanical Engineering Seminar	藉由分組討論專題主題讓學 生了解機械工程相關的的應 用。 Through group discussions on specific topics, help students understand the applications related to mechanical engineering.	1	必/ Required	1	一下 First Year, Second Semester
企業實習(一) Corporate Internship I	依合作廠商要求，進行專業 實務訓練。 Conduct professional practical training according to the requirements of cooperating companies.	40	必/ Required	5	二上 Second Year, First Semester
企業實習(二)	依合作廠商要求，進行專業 實務訓練。 Conduct professional practical training according to the requirements of cooperating companies.	40	必/ Required	5	二下 Second Year, Second Semester

未來的遠景  
Future map

Graduates from this program are required to work in Taiwan at a partnering enterprise for at least two years.

本所畢業生需進入合作企業在台工作至少兩年。

\*\*\* Partnering Enterprise 合作企業:

ASE Technology Holding Co., Ltd. (<https://ase.aseglobal.com/>) (25 positions)

日月光半導體製造股份有限公司(<https://ase.aseglobal.com/>) (25 個職位)

網站連結  
Website

報名網站 Application Website : <https://intactbase.ksu.edu.tw/>

Kun Shan University website: <https://eng-web.ksu.edu.tw/DAIO000/page/59885>

ASE website: <https://ase.aseglobal.com/>