

國立中正大學 National Chung Cheng University

(1) Website of this Program 本專班簡介:



<https://aimhi.ccu.edu.tw/p/404-1017-53935.php?Lang=zh-tw>

(2) PDF of the slides in online session 專班招生簡介 PPT:

<https://reurl.cc/WR6D77>

(3) Link to apply for this program 本專班報名連結:

<https://intactbase.ksu.edu.tw/application/apply>

(4) The contents of the admission brochure for this program 本專班招生簡章內容如下:

International Master Program in Smart Manufacturing (INTENSE Program)	
Degree	Master
College	College of Engineering
Begin Term	Fall (Enroll in September)
Language proficiency	English proficiency certificate/proof required <ul style="list-style-type: none">● TOEIC 650 or above CEFR B1 Chinese proficiency certificate/proof required <ul style="list-style-type: none">● Listening and Reading at least at level A2 in second year
Financial support	An English bank deposit statement issued within three months of at least US\$5,000 (~ NT\$150,000)

Application documents	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • English personal statement (up to 1000 words) • Research plan (up to 3000 words) • English proficiency certificate • The highest degree's full transcript of records (including GPA score & ranking) • Other related references (ex. publications, journal papers, conference papers and technical reports) • Recommendation letter x2
Interview / Oral exam	Online interview with Collaborating Companies
Written exam	No
Additional notes	<p><u>Obligations</u></p> <ol style="list-style-type: none"> 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:**

- 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.**
- 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.**
- 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.
- 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**

	<p>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.</p>
Scholarship	<ol style="list-style-type: none"> 1. National Development Fund, Taiwan: <ol style="list-style-type: none"> (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: <ol style="list-style-type: none"> (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	<p>This new program is based on the talent demand of domestic industries. Schools and enterprises sign industry-academia cooperation plans, jointly select outstanding students, and design customized courses through collaborative efforts.</p> <p>This program focuses on its core research on precision machining and manufacturing systems and develops intelligent manufacturing technologies by taking advantage of rapid advances in information communication technology (ICT),</p>

	<p>micro-and-nano technology, and materials science. Specifically, the core research includes:</p> <ul style="list-style-type: none"> ● Industry 4.0 and smart manufacturing ● Precision Medicine ● Semiconductor Process ● Low Carbon Manufacturing ● Electric Vehicles ● Cyber-physical systems ● Intelligent manufacturing with artificial intelligence ● Gear closed-loop intelligence manufacturing ● Digital intelligent diagnostic systems ● Advanced applications in Engineering
Curriculum planning	<p>This program (International Master Program in Smart Manufacturing) is an all-English graduate program that aims to attract, educate and prepare students for leading roles in the field of advanced manufacturing. Our graduate program emphasizes the integration of multidisciplinary knowledge including mechatronics, precision machining and manufacturing, cloud computing, and artificial intelligence to equip students with the technical and leadership skills required to excel in careers in the manufacturing industry.</p>
Future map	<ul style="list-style-type: none"> • Employment career: Students should work in Taiwan after graduation for at least 2 years in a collaborating Company. <p>*** <u>Collaborating Companies</u></p> <ol style="list-style-type: none"> 1. LINCO Technology Co., Ltd. 凌嘉科技股份有限公司

(5 positions) :

(1) Customer Service (Equipment Maintenance Engineer) / 4 people

(2) Sales / 1 person

<https://demo2.eztrust.tw/lincotech/>

2. QUASER MACHINE TOOLS, INC. 百德機械股份有限公司

(5 positions) :

(1) Electronic control hardware design engineer / 2 people

(2) Mechanical design engineer / 2 people

(3) Software engineer / 1 person

<https://www.quaser.com/>

3. CHENBRO MICOM CO., LTD. 勤誠興業股份有限公司

(6 positions) :

(1) Institutional Engineer / 2 people

(2) Product engineering development engineer / 2 people

(3) Automation engineer / 2 people

<https://www.mtb2b.tw/en/exhibitors/2350/about>

4. Syntec Technology Co., Ltd. 新代科技股份有限公司

(4 positions) :

(1) Product Engineer (PE) / 2 people

(2) Product Engineer (PE) / 2 people

<https://www.syntecclub.com/>

5. United Orthopedic Corporation 聯合骨科器材股份有限公司 (6 positions)

<https://www.unitedorthopedic.com/>

(1) Process Development Engineer / 4 people

(2) Quality Assurance Engineer / 1 person

(3) Production Engineer / 1 person

Website	https://aimhi.ccu.edu.tw/p/404-1017-53935.php?Lang=zh-tw https://deptime.ccu.edu.tw/?Lang=en https://aimhi.ccu.edu.tw/p/426-1017-3.php?Lang=zh-tw
Contact	Name: Tina Yen Position: Administration Staff Telephone: +886-5-272-0411 Ext. 16457 Fax: +886 (0)5-272-1101 Email : amscu@ccu.edu.tw

國際智慧製造碩士專班	
學位	碩士
學院	工學院
開始學期	秋季(9月入學)
授課語言	英文
語言能力	英文: 多益 650 分或相當於 CEFR B1 等級以上之英文能力證明 中文: 入學第二年至少聽力及閱讀能力有相當於 A1 等級以上之中文能力證明
申請文件	<ul style="list-style-type: none"> ◎ 最高學歷歷年成績單 ◎ 最高學歷畢業證書 ◎ 財力證明 ◎ 推薦信 2 封 ◎ 讀書計畫 ◎ 國籍具結書 ◎ 護照 (若有) ◎ 外僑居留證 (若有)
部門要求的文件	<ul style="list-style-type: none"> ◎ 英文自傳 (限 1000 字內) ◎ 研究計畫書 (限 3000 字內) ◎ 英語能力證明文件 ◎ 最高學歷歷年成績單(含 GPA 成績以及名次) ◎ 其他有利資料(如英文能力證明、競賽、得獎論文等) ◎ 推薦函 2 封

面試/口語考試	線上面試(與合作企業)
筆試	無
補充說明	<p>領取獎學金義務</p> <ol style="list-style-type: none"> 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。 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。 <p>***屬可歸責於學生之原因，應繳還產學獎助金：</p> <ol style="list-style-type: none"> 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。 <p>***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。</p>
獎學金	<ol style="list-style-type: none"> 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： <ol style="list-style-type: none"> (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)。

介紹	<p>本「新型專班」(INTENSE Program)為鼓勵大學校院以企業需求為導向，擴大招收國際學生，並強化學生來臺就學及後續留臺就業誘因，吸引全球優秀的國際生來臺就學，並於畢業後留臺發展就業，為臺灣引入優質人才。</p> <p>本專班研究核心對象為機械製造系統，考量產業需求與接軌國際製造技術趨勢，現階段朝「智能化精密製造技術」目標發展，研發具備環保、省能源與智能化等特性的新世代製造系統並規劃四個技術研究分向，包括：</p> <ul style="list-style-type: none"> ● Industry 4.0 and smart manufacturing ● Precision Medicine ● Semiconductor Process ● Low Carbon Manufacturing ● Electric Vehicles ● Cyber-physical systems ● Intelligent manufacturing with artificial intelligence ● Gear closed-loop intelligence manufacturing ● Digital intelligent diagnostic systems ● Advanced applications in Engineering
課程規劃	<p>本學程由本校機械工程學系與前瞻製造系統頂尖研究中心所運作，著重智慧製造、精密機械前瞻製造技術領域研發，師資陣容堅強，研究資源豐富，設備新穎先進。</p>
未來的遠景	<p>本所畢業生需進入合作企業在台工作至少兩年。</p> <p>***合作企業:</p> <ol style="list-style-type: none"> 1. 凌嘉科技股份有限公司 (5 個職位) https://demo2.eztrust.tw/lincotech/ 2. 百德機械股份有限公司 (5 個職位) https://www.quaser.com/ 3. 勤誠興業股份有限公司 (6 個職位) https://www.mtb2b.tw/en/exhibitors/2350/about 4. 新代科技股份有限公司 (4 個職位) https://www.syntecclub.com/ 5. 聯合骨科器材股份有限公司 (6 個職位) https://www.unitedorthopedic.com/
網站	<p>https://aimhi.ccu.edu.tw/p/404-1017-53935.php?Lang=zh-tw https://deptime.ccu.edu.tw/?Lang=en https://aimhi.ccu.edu.tw/p/426-1017-3.php?Lang=zh-tw</p>

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