

## **2+i Industry-Academia Collaboration Program of Mechanical Engineering , Cheng Shiu University**

<http://oia.csu.edu.tw/wSite/mp?mp=A22000>

### **Introduction**

This “2+i Mechanical Engineering Program” provides training courses to those Indonesian students with Diploma 3 (Associate Degree Level 3) to learn more theoretical and practical knowledge and to achieve core competencies on Precision Machinery through both on-campus coursework and off-campus internship. Based on the Mechanical Engineering Curriculum Framework certified by the IEET (Institute of Engineering Education Taiwan), this program primarily focuses on precision machinery, offering specialized training in machining that includes fundamental mechanical, manufacturing and design analysis skills, material engineering, integrated computer manufacturing as well as CAD/CAE/CAM/CAI to prepare students to be employed readily. This program is expected to promote the collaborative relationship in vocational education and industry between Indonesia and Taiwan, organizes a 3-year time and a minimum of 72 course credits to fulfill the degree requirement, with 3-semester on-campus coursework and 3-semester off-campus internship. Upon completion of the study, students will be conferred a Bachelor’s Degree. Three strategic partners have been invited to join in the program, offering hands-on experience on precision manufacturing. Among them, Hua Yong Machine Industry and Magnate Technology Company help on product’s auto & motor parts and aviation/aerospace components, and Jong Shyn Shipbuilding Company helps in the field of integrated marine mechanical engineering. We will offer a full scholarship to those students who enroll in this program. The scholarship details include the first-year tuition & miscellaneous fee exemption, a monthly stipend of NTD 5000 per month for living expense in the first five months and free on-campus accommodation before the off-campus internship commences.

## 正修科技大學「印尼二技(2+i)產學合作國際專班」 機械工程系機械工程專班簡介

正修學校財團法人正修科技大學機械工程系機械工程專班旨在訓練印尼已獲得三專學歷之同學於精密機械工程領域，學習更多理論與實作經驗，並藉由產學合作校外實習機會，體驗職場師徒制傳承之訓練模式，於增進實務經驗的同時，跟上產業脈動，而在獲得學士學位時，即可勝任職場挑戰，或繼續研究所更高學位進修之能力，裨益於印尼與台灣之技職教育或產業提升。機械工程系已獲中華工程教育學會(IEET)認證，專班課程規劃符合國際工程教育標準，以達成8項核心能力為具體指標。本專班之修業年限三年(第三年為校外實習)，屬於二年制學士班，根據課程規劃本專班之畢業學分數至少為72學分。課程內容結合產業趨勢與合作公司發展需求，規劃專業實務課程符合專班產業屬性，培育學生具備精密機械工程產業之實務技能，使學生了解產業未來發展及擴展相關知識。本計畫合作企業中，華鏞與晟田兩家公司主要提供精密製造領域之實習機會，中信造船則提供船舶維修製造等整合型機械工程領域之實務經驗培訓，三家合作企業同時協助擔任業界專家協同教學之責。

本校提供第1年學雜費全免，第一學期前5個月每月新台幣5,000元獎助學金之生活津貼，及自入學後至第2年上學期正式校外實習前之宿舍免費住宿。