



Department of Automation Engineering, Nan Kai University of Technology

IBPIAC of Mechanical Engineering

Hotline: 886-49-2563489 Ext. 2802 Official Website:

<http://ae.nkut.edu.tw/main.php>

Excellent Faculty

- ✧ The department has 10 full-time teachers with practical experiences or professional certification, and 8 of them have obtained their doctorate degrees.

Automation Control Technology Development

- ✧ It is your optimal choice to join the **Department of Automation Engineering**, Nan Kai University of Technology to embrace the era of intelligent automated production, cultivate professional knowledge and skills regarding automated production technology, and enhance your future competitiveness in the workplace.
- ✧ It is a wise choice to join the **Department of Automation Engineering** to learn the expertise concerning the electromechanical integration and intelligent automation control, strengthen through internship and hands-on practice, expand your career and enrich your life.

Technology-Oriented Curriculum Arrangement

- ✧ Students are required to participate in the practical training on Class C Electro-mechanical Technician program before graduation.
- ✧ The curriculum focuses on professional practice and internship courses, and students are scheduled to work in famous enterprises as interns in Taiwan from the 4th to the 6th semesters.



1st semester	2nd semester	3rd semester	4th to 6th semester
Computer Aided Drawing	Basic Electrical Science and Internship	Programmable Control Theory and Internship	Electro-mechanical Integration and Internship
Computer Programming	Pneumatics & Hydraulics and Relevant Internship	Electronics and Internship	Industrial Robot
Introduction to Automation Technology	Theory of Mechanism	Numerical Control Theory and Internship	Computer Integrated Manufacturing
Applied Mechanics	Calculus	Quality Management	Term Internship
	Technical Guidance		Career Guidance

Comprehensive Career Planning

- ✧ The diplomas in English and Chinese will be issued upon graduation.
- ✧ Mastering the **automatic control technologies**, the capabilities developed in the programs can enable our students to maintain and design automated electromechanical equipment. They can either find jobs in motherland or Taiwan, or start their own businesses after graduation.

Cooperative Enterprises		
JONSA Technologies	Manford Machinery	Tailift
DAHLIH	VISION WIDE	Palmary Machinery
JIUNYO	NAK Sealing Technologies	K&W Tools
EASEN HARDWARE	YONG JU PRECISION TECHNOLOGY	Sysgration

Maintenance Technology	Mechanical Manufacturing & Drawing	R&D and Manufacturing
Mechanical Assembly and Maintenance	Computer-Aided Mechanical Drawing	Pneumatic and Hydraulic Control Design
Electromechanical Equipment Maintenance	Computer-Aided Mechanical Design	Automation Design
Automatic Control Equipment Maintenance	Computer-Aided Mechanical Manufacturing	Electromechanical Integration System Design



南開科技大學 自動化工程系

Department of Automation Engineering, Nan Kai University of Technology

機械工程產學合作國際專班

IBPIAC of Mechanical Engineering

聯絡電話 886-49-2563489轉2802

本系網址：<http://ae.nkut.edu.tw/main.php>

《堅強師資陣容》

- ◇ 本系現有專任教師10位，具實務經驗或專業證照師資，具博士學位有 8 位。

《自動化控制技術養成》

- ◇ 迎接智慧自動化生產時代來臨，培養自動化生產技術專業知識與技能，提升您未來職場競爭力，南開科技大學『自動化工程系』是您最佳選擇。
- ◇ 養成機電整合與智慧自動化控制技術專長，強化實習實作能力，幫助您拓展事業、翻轉人生，『自動化工程系』將會是您明智的選擇。

《技術導向的課程安排》

- ◇ 學生於結業前須參加機電整合丙級技術士之實作訓練。
- ◇ 課程安排著重專業實務與實習實作課程，並規劃於第4至第6學期安排學生至臺灣著名企業實習。



第1學期	第2學期	第3學期	第4~6學期
電腦輔助繪圖	基本電學與實習	可程式控制原理與實習	機電整合與實習
計算機程式	氣液壓學與實習	電子學與實習	工業用機器人
自動化科技概論	機構學	數值控制原理與實習	電腦整合製造
應用力學	微積分	品質管理	學期實習
	技術輔導		就業輔導

《完整的職涯規劃》

- ◇ 本班畢業頒發中英文畢業證書。
- ◇ 可具備自動化控制技術專業能力，足以勝任自動化機電設備維修設計等工作，畢業後可投入職場，選擇返國或留臺就業或自行創業。

產業合作企業			維修技術	機械製造製圖	研發製造
中衛科技	邁鑫機械	臺勵福	機械組裝維修	電腦輔助機械製圖	氣油壓控制設計
大立機械	喬崴進科技	大光長榮機械	機電設備維修	電腦輔助機械設計	自動化控制設計
俊侑公司	茂順密封元件科技	久允工業	自動控制設備維修	電腦輔助機械製造	機電整合系統設計
昱盛工業	永鉅精密科技	系統電子工業			