國立北港農工技術型高中選課輔導手冊

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## **壹、學校背景**

本校創立於民國30年，原為農業學校，歷經改制，調增科別，成為目前之農工職業學校，目前設有農業類：農場經營科、畜產保健科等二科；工業類：機械科、農業機械科、電機科、資訊科、化工科、微電腦處理科等六科，暨特教餐飲服務科(高一、高二)、綜合職能科(高三)，合計9科30班。其目標以奠定生活適應與未來學習及培養公民資質和社會服務之基本能力，並陶冶人文素養與職業道德，敬業樂群之精神。

由於社會變遷日新月異，使職業教育不斷受到衝擊與挑戰，必須隨著時代的進步， 與時推移，方能滿足社會改造和個人發展的需求，培育各項產業眾多基層技術人才，促進國家經濟建設與發展，其功厥偉。然而，面臨科技的進展一日千里，高職教育勢必快速且有效的掌握時代的脈動，方能發揮教育效能，扮演適切的教育角色。

## **貳、學校願景及學生圖像**

一、社會競爭日趨激烈，高職教育將面對更嚴苛的考驗與挑戰，因此，高職教育必須以提高品質，永續經營與發展為目標。本校發展願景如下：

(一)、遵循教育政策，實現高級職業教育目標

1、奠定生活適應及未來學習之基礎能力、陶冶人文素養及職業道德、培養人文基礎素養、敬業樂群之精神、培養公民資質及社會服務之基本能力、培養積極進取、民主法治之素養，樂於服務社會之態度。

2、配合推動12年國民基本教育，辦理特殊產業需求類科免試入學。

(二)、配合「農業首都」政策，發展本校農工特色

1、發展成為地區之重點農工職業學校。

2、農科結合工科朝自動化發展，教學重點轉向精緻化、本土化、健康化、科學化之永續發展農業，並與社區化結合，朝向教育農園方式發展，並落實生態、環境教育。

3、積極規劃休閒農場、牧草標本區以及牧場的綠美化，休閒農場的建立除了將有助於提升教學品質與各界對本校之良好印象，亦能提供鄰近社區中小學觀摩地點，推廣生態自然教育。

(三)、推動課程改革，規劃完善設備，使高職兼具職業預備與科技大學預備教育之雙重目標

1、配合98年職業學校群科課程綱要暨設備基準，持續追蹤教學與學習成效，發展學校本位課程。

2、各科加強國英數等基礎學科與實習課程齊頭並進，輔導升學與就業。

(四)、輔導學生達到三贏目標

1、加強宣導、吸引附近國中畢業生來校就讀。

2、輔導學生生涯發展與進修，使學生畢業後能取得畢業證書，技能檢定證照及四技、二專入學通知書。

3、加強就業輔導，提昇技能水準，俾能順利就業。

(五)、建構學校社區化的願景

1、結合社區資源，校際資源，達成學校社區化，社區學校化的目標。

2、開放校園提供社區民眾休憩場所，支援社區各項活動，發揮學校社會功能。

3、推動社區化政策，辦理社區跨校選課，與鄰近高中職合作，建立適性學習社區。

(六)、推動全人教育，培養兼具人文精神與科技素養的健全國民

1、力求教學正常化，促進五育均衡發展。

2、加強倫理、道德、民主法治、生活、生命、性別、人權、休閒、科技、資訊等教育。

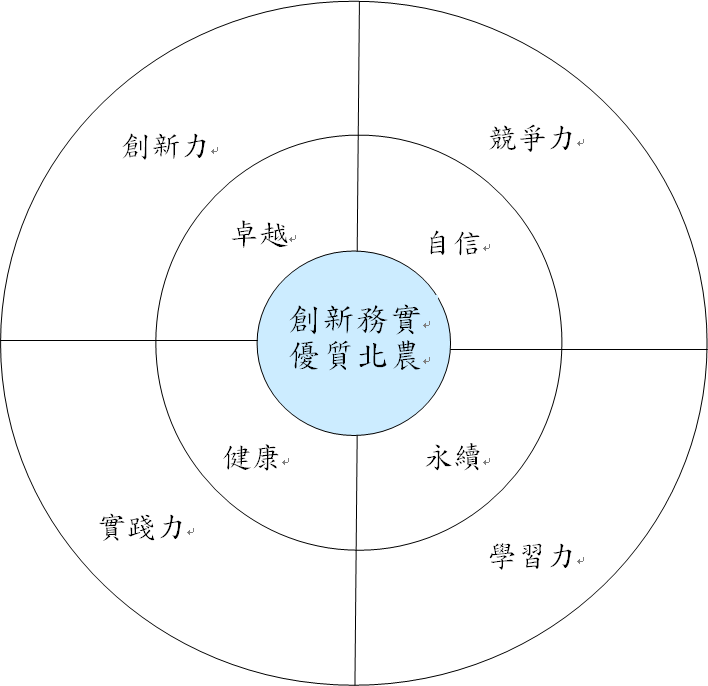
(七)、建立學習型組織，引導師生終身學習

1、強調團隊學習，建立學校、社區資訊網路，使家庭、學校、社區脈絡相連，終身學習。

2、鼓勵師生不斷進修，促進專業成長與發展，營造學習型學校。

(八)、掌握時代脈動，加強品質管理，追求卓越

1. 研究創新，改進教學與評量方式，提高學習效果。
2. 各科教學內容精緻新穎，配合時代趨勢，培養二十一世紀農工商企業人才。
3. 建立多元智慧學習環境，充分發揮學生潛能，促進適性發展。

二、 學生圖像

* 1. 創造力：培養學生基於一些概念或是工具及頭腦思考最後產生或是發展為創意、啟發及直覺的能力。
  2. 競爭力：培養學生在各種競爭、比賽所顯示的能力，是一種隨著競爭變化中透過競爭而顯示出來的能力。
  3. 學習力：培養學生對於知識資源轉化成屬於自身的知識資本的能力。
  4. 實踐力：培養學生執行與貫徹的能力，一件事情說到了就要把他執行到位，若是無法執行就要找出問題並且解決。

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引導學生閱讀偉人傳記，啟發學生良善的品格與正向的處事價值觀，進一步提升自主學習的能力。 | ● | ● | ● | ○ | | 引導學生運用多媒體呈現文學之學習效果。 |  | ● | ● | ● | | 英語文 | 【總綱之教學目標】 | 使學生具備積極探究的態度，並能運用各種學習與溝通 策略，主動探索 與修習領域相關 之課外資訊，擴 展學習場域，養成 自 主 學 習 習慣，為終身學習奠定基礎。 | ● | ○ | ● | ● | | 使學生具備系統性思考能力，善用各種 策略，提升英語 文學習效率與品 質，應用所學解 決問題。 | ● | ● | ● | ● | | 使學生具備探索學習策略的能力，並能 規劃與執行有效 的英語文學習計 畫，增進未來職 場與生活的適應 力。 | ● | ○ | ● | ● | | 使學生具備聽、說、讀、寫 的 英 語 文 素養，能連結自身 經 驗 ， 運 用 詞 彙、句型與肢體 語言，在生活與 職場常見情境中 適切溝通表達。 | ● | ○ | ● | ● | | 使學生具備用英語文加入社群、搜尋、 運用所修習領域 相關網路資訊的 能力，以增進有 效溝通能力。 | ● | ● | ● | ● | | 使學生具備欣賞英語文語音、篇章美感的基礎能力，並 能探索生活與實 用技術的美感。 | ○ | ● | ○ | ○ | | 使學生具備運用英語文的積極態度，關心國際議題與自 然生態；具人文 關懷，主動參與 社會活動。 | ○ | ○ | ● | ● | | 使學生積極參與課堂內 小組學習及課外 英語文相關之團 體活動，發展個 人在生活與職場 上溝通協調之能 力，提升團隊合 作素養。 | ● | ● | ● | ● | | 使學生具備國際視野及 地球村觀念，能 從多元文化觀點 了解、欣賞不同 文化習俗，尊重 生命與全球之永 續發展。 | ○ | ○ | ● | ● | | 閩南語文 | 【總綱之教學目標】 | 提升學習閩南語文的興趣 | ● |  |  |  | | 培養閩南語文理解、表達及溝通互動的能力 | ● | ● |  |  | | 促進閩南語文之傳承 | ● |  | ● |  | | 運用閩南語文視角進行思辨 |  | ● |  |  | | 客語文 | 【總綱之教學目標】 | 提升學習客語文的興趣 | ● | ○ | ○ | ○ | | 培養客語文理解、表達及溝通互動的能力 | ● | ○ | ● | ● | | 促進客語文之傳承 | ● | ○ | ● | ○ | | 運用客語文的視角進行思辨 | ● | ○ | ○ | ○ | | 原住民族語文-卑南語 | 【總綱之教學目標】 | 提升學習卑南語的興趣 |  | ● | ○ |  | | 培養卑南語理解、表達及溝通互動的能力 |  | ● | ○ |  | | 促進卑南語之傳承 |  | ● | ○ |  | | 運用卑南族的視角進行思辨 |  | ● | ○ |  | | 原住民族語文-阿美語 | 【總綱之教學目標】 | 提升學習原住民語文的興趣 | ● | ○ | ○ | ○ | | 培養原住民語文理解、表達及溝通互動的能力 | ● | ○ | ○ | ○ | | 促進原住民語文之傳承 | ● | ○ | ● | ○ | | 運用原住民語文的視角進行思辨 | ● | ● | ○ | ○ | | 原住民族語文-排灣語 | 【總綱之教學目標】 | 提升學習排灣語的興趣 |  | ● | ○ |  | | 培養排灣語理解、表達及溝通互動的能力 |  | ● | ○ |  | | 促進排灣族相關文化之傳承 |  | ● | ○ |  | | 運用排灣族的視角進行思辨 |  | ● | ○ |  | | 閩東語文 | 【總綱之教學目標】 | 提升學習閩東語文的興趣 | ● | ○ | ○ | ○ | | 培養閩東語文理解、表達及溝通互動的能力 | ● | ○ | ○ | ○ | | 促進閩東語文的傳承 | ● | ○ | ● | ○ | | 運用閩東語文的視角進行思辨 | ● | ● | ○ | ○ | | 臺灣手語 | 【總綱之教學目標】 | 啟發學習臺灣手語的興趣 | ● |  |  |  | | 培養臺灣手語理解、表達及溝通互動的能力 | ● |  | ● |  | | 增進對聾人文化的理解、尊重、欣賞及傳承 | ● |  | ● |  | | 運用不同語言與文化的視角進行思辨 | ● | ● |  |  | | 數學領域 | 數學(B) | 【總綱之教學目標】 | 引導學生解數學的概念、運算與關係 | ● |  | ● |  | | 引導學生能彈性、有效率且合適地執行數學程序 | ● |  | ● | ○ | | 引導學生能形成、表達與解決數學問題 | ● |  | ● | ○ | | 引導學生能連結並應用數學方法來解決日常或專業學科問題 | ● | ● | ● | ● | | 引導學生能正確使用數學軟體與科技工具，協助認知、問題解決等技能 | ● | ● | ● | ○ | | 引導學生能從日常生活與學科學習經驗中體驗數學的價值 | ● | ○ | ● | ○ | | 數學(C) | 【總綱之教學目標】 | 引導學生能了解數學的概念、運算與關係 | ● |  | ● |  | | 引導學生能彈性、有效率且合適地執行數學程序 | ● |  | ● | ○ | | 引導學生能形成、表達與解決數學問題 | ● |  | ● | ○ | | 引導學生能連結並應用數學方法來解決日常或專業學科問題 | ● | ● | ● | ● | | 引導學生能正確使用數學軟體與科技工具，協助認知、問題解決等技能 | ● | ● | ● | ○ | | 引導學生能從日常生活與學科學習經驗中體驗數學的價值 | ● | ○ | ● | ○ | | 社會領域 | 歷史 | 【總綱之教學目標】 | 引導學生瞭解飲食、作物、環境的互動與影響能力。 | ● |  | ● |  | | 引導學生瞭解臺灣的飲食發展與當代全球的飲食趨勢能力。 | ● | ● | ● | ● | | 引導學生認識服飾的由來與功用能力。 | ● |  | ● |  | | 引導學生瞭解臺灣服飾的發展與流行時尚能力。 | ● | ● | ● | ● | | 引導學生瞭解建築、技術與自然環境能力。 | ● |  | ● | ● | | 引導學生瞭解建築的功能與文化意涵能力。 | ● |  | ● |  | | 引導學生瞭解交通路線與運輸工具的變遷能力。 | ● | ● | ● | ● | | 引導學生瞭解臺灣的交通發展能力。 | ● | ● | ● | ● | | 引導學生瞭解傳統工藝與現代科技能力。 | ● | ● | ● | ● | | 引導學生瞭解臺灣科學園區與科技產業能力。 | ● | ● | ● | ● | | 引導學生職業道德、工作安全，及持續專業精進的能力。 | ● | ● | ● | ● | | 地理 | 【總綱之教學目標】 | 引導學生瞭解重要的地理知識，進而產生學習的興趣與能力。 | ● | ○ | ● | ○ | | 引導學生瞭解對生活中的媒體資訊，當中重要的地理知識擷取之能力，並結合、觀察於其日常生活中。 | ● | ● | ● | ● | | 引導學生瞭解善用地理資訊系統(GIS)、查地圖，及各種電子資訊，進而培養參與環境保育與社會公共事務之興趣與能力。 | ● | ○ | ● | ● | | 引導學生瞭解體會地理及各種人類生活規範間的互動關係之能力，進而賞析互動關係背後蘊含的美感情境。 | ● | ● | ○ | ○ | | 公民與社會 | 【總綱之教學目標】 | 引導學生瞭解公民身分能力。 | ● | ● | ● | ● | | 引導學生瞭解國家與認同能力。 | ● |  | ● | ● | | 引導學生瞭解親密關係與性別結構能力。 | ● | ● | ● | ● | | 引導學生瞭解憲法保障與行政救濟能力。 | ● |  | ● | ● | | 引導學生瞭解民事權利的保障與限制能力。 | ● | ● | ● | ● | | 引導學生瞭解犯罪與刑罰能力。 | ● | ● | ● |  | | 引導學生瞭解資源有限與分配能力。 | ● | ● | ● | ● | | 引導學生瞭解誘因能力。 | ● |  | ● | ● | | 引導學生瞭解交易與專業化生產能力。 | ● | ● | ● | ● | | 引導學生瞭解公共意見能力。 | ● |  | ● |  | | 引導學生瞭解政治參與能力。 | ● | ● | ● | ● | | 引導學生瞭解勞動參與能力。 | ● | ● | ● | ● | | 引導學生瞭解薪資與勞動市場能力。 | ● |  | ● | ● | | 引導學生瞭解社會安全能力。 | ● |  | ● |  | | 引導學生瞭解認識多元文化能力。 | ● | ● | ● | ● | | 引導學生瞭解全球關連能力。 | ● | ● | ● | ● | | 引導學生瞭解科技發展能力。 | ● | ● | ● | ● | | 引導學生瞭解人權保障能力。 | ● | ● | ● |  | | 引導學生瞭解公平正義能力。 | ● | ● | ● | ● | | 引導學生瞭解貿易自由化能力。 | ● | ● | ● | ● | | 引導學生瞭解職業道德、工作安全，及持續專業精進的能力。 | ● | ● | ● | ● | | 自然科學領域 | 物理(A) | 【總綱之教學目標】 | 幫助學生建立基本的物理知識，同時輔以日常生活中的物理現象相互比對，兼重基本概念的介紹與在科技工業上的應用。 | ● | ● | ● | ● | | 物理(B) | 【總綱之教學目標】 | 使學生能對重要的自然科學知識，產生學習的興趣。 | ● |  | ● |  | | 使學生能對生活中的 自然科學知識，有所了 解，並結合、應用於其 日常生活。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備探索、思考、推理、分析與統 整的能力，並能提出解 決各種問題的可能策 略。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備反省、 規劃與實踐的素養，並 能與時俱進、創新應變。 | ● | ● | ● | ● | | 使學生能瞭解人類生 活與自然界的關連性，進而培養學生愛護自然、珍愛生命及愛惜資源的關 懷心與行動 力。 | ● | ● | ● | ● | | 使學生能關心全球議題，以拓展國際視野，提升國際移動力。 | ● | ● | ● | ● | | 化學(B) | 【總綱之教學目標】 | 使學生能對重要的自然科學知識，產生學習的興趣。 | ● |  | ● |  | | 使學生能對生活中的 自然科學知識，有所了 解，並結合、應用於其 日常生活。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備探索、思考、推理、分析與統 整的能力，並能提出解 決各種問題的可能策 略。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備反省、 規劃與實踐的素養，並 能與時俱進、創新應變。 | ● | ● | ● | ● | | 使學生能瞭解人類生 活與自然界的關連性，進而培養學生愛護自然、珍愛生命及愛惜資源的關 懷心與行動 力。 | ● | ● | ● | ● | | 使學生能關心全球議題，以拓展國際視野，提升國際移動力。 | ● | ● | ● | ● | | 生物(B) | 【總綱之教學目標】 | 使學生能對重要的自然科學知識，產生學習的興趣。 | ● |  | ● |  | | 使學生能對生活中的 自然科學知識，有所了 解，並結合、應用於其 日常生活。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備探索、思考、推理、分析與統 整的能力，並能提出解 決各種問題的可能策 略。 | ● | ● | ● | ● | | 使學生能對自然科學 相關議題，具備反省、 規劃與實踐的素養，並 能與時俱進、創新應變。 | ● | ● | ● | ● | | 使學生能瞭解人類生 活與自然界的關連性，進而培養學生愛護自然、珍愛生命及愛惜資源的關 懷心與行動 力。 | ● | ● | ● | ● | | 使學生能關心全球議題，以拓展國際視野，提升國際移動力。 | ● | ● | ● | ● | | 藝術領域 | 音樂 | 【總綱之教學目標】 | 引導學生培養身心素質與自我精進 1.培養良好藝術生活與團體活動的習慣 2.促進身心健全發展，並認識個人特質 3.發展自我學習精進的潛能。 | ● | ● | ● |  | | 引導學生培養系統思考與解決問題 1.培養探索良好團體活動與藝術生活問題的思考能力 2.透過體驗與實踐，處理日常生活中人文素養的問題。 | ● | ● | ● |  | | 引導學生培養規劃執行與創新應變 1. 培養擬定基本的人文素養計畫及實作能力 2. 以創新思考方式，因應日常生活情境。 | ● | ● | ● | ● | | 引導學生培養道德實踐與公民意識 1. 培養藝術人文素養與道德實踐，從個 人小我到社會公民，循序漸進， 養成社 會責任感及公民意識。 2. 運用藝術人文素養主動關注公共議題 並積極參與社會活動，關懷自然生態與人類永續發展。 3. 展現知性、感性與修養的品德。 | ● | ● | ● |  | | 引導學生培養人際關係與團隊合作 1. 運用藝術人文素養培養友善的人際情懷及與他人建立良好的互動關係。 2. 發展與人溝通協調、包容異己、社會參與及服務等團隊合作的素養。 | ● |  | ● | ● | | 引導學生培養多元文化與國際理解 1. 培養藝術人文素養與自我文化認同的信念，並尊重與欣賞多元文化特色。 2. 順應時代脈動與社會需要，發展國際理解、多元文化價值觀與世界和平的胸懷。 3. 積極關心全球議題及國際情勢。 | ● | ● | ● | ● | | 美術 | 【總綱之教學目標】 | 引導學生瞭解道德實踐與公民意識 1. 培養藝術人文素養與道德實踐，從個 人小我到社會公民，循序漸進， 養成社 會責任感及公民意識。 2. 運用藝術人文素養主動關注公共議題 並積極參與社會活動，關懷自然生態與人類永續發展。 3. 培養展現知性、感性與修養的品德。 | ● | ● | ● |  | | 引導學生瞭解人際關係與團隊合作 1. 運用藝術人文素養培養友善的人際情懷及與他人建立良好的互動關係。 2. 發展與人溝通協調、包容異己、社會參與及服務等團隊合作的素養。 | ● |  | ● | ● | | 引導學生瞭解多元文化與國際理解 1. 培養藝術人文素養與自我文化認同的信念，並尊重與欣賞多元文化特色。 2. 順應時代脈動與社會需要，發展國際理解、多元文化價值觀與世界和平的胸懷。 3. 積極關心全球議題及國際情勢。 | ● | ● | ● | ● | | 引導學生瞭解符號運用與溝通表達 1. 培養理解及使用語言、文字、數理、肢體及藝術等各種符號進行表達、溝通及互動。 2. 能了解與同理他人，應用在日常生活及工作上。 | ● | ● | ● |  | | 引導學生瞭解科技資訊與媒體素養 1. 培養善用科技、資訊與各類媒體之能力，培養相關倫理及媒體運用的素養。 2. 培養能分析、思辨、評論人與科技、資訊及媒體之關係。 | ● | ● | ● | ● | | 引導學生瞭解藝術涵養與美感素養 1. 培養藝術感知、創作與鑑賞能力，體會藝術文化之美，透過生活美學的省思，豐富美感體驗。 2. 培養對美善的人事物，進行賞析、建構與分享的態度與能力。 | ● | ● | ● |  | | 綜合活動領域 | 生涯規劃 | 【總綱之教學目標】 | 引導學生培養適切的自我觀，提升身心健全發展的素質。 | ● |  | ○ | ○ | | 引導學生能確立適切的人生觀及人生信念。 | ● |  |  | ○ | | 引導學生培養發展自我的獨特潛能。 | ● | ● | ● | ● | | 引導學生培養進行生涯規劃與發展，以臻至善與幸福人生。 | ○ | ● | ● | ○ | | 引導學生培養系統思考的素養，以有效處理生涯規劃各種議題。 | ● |  | ○ | ● | | 引導學生培養生涯資源運用的能力，俾能進行生涯的規劃與創新。 | ● | ● | ● | ● | | 引導學生培養辨識及處理各種生涯困境或危機，俾能進行生涯的規劃與創新。 | ● | ● | ● | ● | | 引導學生培養自我覺察的能力，以建立良好的人際互動素養。 | ● |  | ○ | ● | | 引導學生培養合宜的表達方式，以建立良好的人際互動素養。 | ● |  | ● | ● | | 科技領域 | 資訊科技 | 【總綱之教學目標】 | 引導學生培養利用科技妥善組織工作團隊與溝通協調，以進行合作共創的能力。 | ● |  | ● | ○ | | 引導學生培養系統思考與分析探索的能力，並能運用科技 工具與策略有效處理並解決人生各種問題。 | ● | ● | ○ | ● | | 引導學生瞭解統整科技資源進行規劃、執 行、評鑑及反省的能力，並能以科技 創新的態度與作為，因應新的情境與問題 | ● | ● | ● | ● | | 引導學生培養精確掌握各類科技符號與運算思維表達的能力，能有效進行思想與經驗的表達，與他人溝通並解決問題 | ● | ● |  | ● | | 引導學生瞭解科技與資訊的原理及發展趨勢，具備科技、資訊、媒體的整合運用能力，並能分析、思辨、批判人與科技、社會、環境等之關係 | ● |  | ● |  | | 健康與體育領域 | 健康與護理 | 【總綱之教學目標】 | 引導學生培養身心素質與自我精進 1.瞭解健康生活的習慣 2.探索自我觀，肯定自我價值，並認識個人特質 3.發展保健的潛能。 | ● |  | ● | ● | | 引導學生培養系統思考與解決問題 1.瞭解健康生活問題的思考能力 2.積極面對挑戰，以解決人生中各種與健 康的問題 | ● | ● | ● | ● | | 引導學生培養規劃執行與創新應變 1. 瞭解擬定基本的保健計畫及實作能力 2. 以創新思考與態度方式，因應日常生活情境。 | ● |  | ● | ● | | 引導學生培養符號運用與溝通表達 1. 瞭解掌握健康訊息，以進行和健康 有關的經驗、思想、價值與 情意之表達、溝通及互動 2. 能了解與同理他人，應用在日常生活及工作上。 | ● | ● | ● | ● | | 引導學生培養科技資訊與媒體素養 1. 瞭解適當運用科技、資訊與媒體之素養，進行各類與健康之相關媒體識讀與批判，並能反思科技、資訊與媒體 的倫理議題。 2. 能分析、思辨、批判人與科技、資訊及媒體之關係。 | ● | ● | ● | ● | | 引導學生培養藝術涵養與美感素養 1. 瞭解健康的道德課題與公共議題之思考及對話素 2. 培養對美善的人事物，進行賞析、建構與分享的態度與能力。 | ● | ● | ● |  | | 引導學生培養道德實踐與公民意識 1. 瞭解道德實踐的素養，從個人小我到社會公民，循序漸進， 養成社會責 任感及公民意識 2. 主動關注公共議題並積極參與社會活動，關懷自然生態與人類永續發展 3. 展現知善、樂善與行 善的品德。 | ● |  | ● | ● | | 引導學生培養人際關係與團隊合作 1. 瞭解友善的人際情懷及與他人建立良好的互動關係 2. 發展與人溝通協調、包容異己、社會參與及服務等團隊合作的素養。 | ● | ● | ● |  | | 引導學生培養多元文化與國際理解 1. 瞭解自我文化認同的信念，並尊重與欣賞多元文化 2. 積極關心全球議題及國際情勢 3. 順應時代脈動與社會需要，發展國際理解、多元文化價值觀與世界和平的胸懷 | ● | ● | ● | ● | | 體育 | 【總綱之教學目標】 | 引導學生培養身心素質與自我精進 1.培養良好身體活動與健康生活的習慣 2.促進身心健全發展，並認識個人特質 3.發展運動與保健的潛能。 | ● |  | ● | ● | | 引導學生培養系統思考與解決問題 1.培養探索身體活動與健康生活問題的思考能力 2.透過體驗與實踐，處理日常生活中運動與健康的問題。 | ● | ● | ● | ● | | 引導學生培養規劃執行與創新應變 1. 培養擬定基本的運動與保健計畫及實作能力 2. 以創新思考方式，因應日 常生活情境。 | ● |  | ● | ● | | 引導學生培養符號運用與溝通表達 1. 培養理解及使用語言、文字、數理、肢體及藝術等各種符號進行表達、溝通及互動 2. 能了解與同理他人，應用在日常 生活及工作上。 | ● | ● | ● | ● | | 引導學生培養科技資訊與媒體素養 1. 培養善用科技、資訊與各類媒體之能力，培養相關倫理及媒體識讀的素養 2. 能分析、思辨、批判人與科技、資訊及媒體之關係。 | ● | ● | ● | ● | | 引導學生培養藝術涵養與美感素養 1. 培養藝術感知、創作與鑑賞能力，體會藝術文化之美，透過生活美學的省思，豐富美感體驗 2. 培養對美善的人事物，進行 賞析、建構與分享的態度與能力。 | ● | ● | ● |  | | 引導學生培養道德實踐與公民意識 1.培養道德實踐的素養，從個人小我到社會公民，循序漸進， 養成社會責 任感及公民意識 2. 主動關注公共議題並積極參與社會活動，關懷自然生態與人類永續發展 3. 展現知善、樂善與行 善的品德。 | ● |  | ● | ● | | 引導學生培養人際關係與團隊合作 1. 培養友善的人際情懷及與他人建立良好的互動關係 2. 發展與人溝通協調、包容異己、社會參與及服務等團隊合作的素養。 | ● | ● | ● |  | | 引導學生培養多元文化與國際理解 1. 培養自我文化認同的信念，並尊重與欣賞多元文化 2. 積極關心全球議題及國際情勢 3. 順應時代脈動與社會需要，發展國際理解、多元文化價值觀與世界和平的胸懷 | ● | ● | ● | ● | | 全民國防教育 | 全民國防教育 | 【總綱之教學目標】 | 引導學生培養身心健全發展的素質，發展個人潛能，肯定自我價值，擴大參與國防事務，並透過自我精進與超越，追求國家安全。 | ● |  | ● |  | | 引導學生培養分析國際情勢與國家發展的系統思考能力，以積極面對影響國家安全的各種挑戰，體認與自身之關係，並以正向態度有效解決與生活有關問題。 | ● | ● |  | ● | | 引導學生培養透過對全民國防發展現況之理解與分析，培養蒐集資訊與媒體識讀之素養，俾能探討國際情勢與國防科技發展。 | ● | ● | ● |  | | 引導學生培養欣賞與關心多元文化的信念，了解全球與區域情勢變化，順應國際社會脈動，發展關心國際局勢、多元文化與世界和平的胸懷。 | ● |  | ● | ● | | 引導學生培養規劃適用在地情境之應變與防救措施的能力，以適當態度及多元知能因應天然與人為之災害狀況。 | ● | ● | ● |  | | 引導學生培養理解基本軍事知識、災害防救及軍事用語等各種常用符號及肢體語言，進行溝通與互動。 | ● |  | ● | ● | | 引導學生培養經由防衛動員或災害防救實作，發展人際互動能力，能在團隊中包容異己，與他人協調合作。 | ● |  | ● | ● | | 引導學生培養實踐維護國家安全的行動力，養成關心國家發展的國民意識，主動參與國家安全相關議題的公共討論與對話，關懷國家之永續發展。 | ● |  | ● | ● |  |  | | --- | | 備註：學生圖像欄位，請填入學生圖像文字，各欄請以打點表示科目教學重點與學生圖像之對應，「●」代表高度對應，「○」代表低度對應。 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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8.培育文化創作或設計之人才 9.培育重視職業道德、工安衛生及終身學習之人才 | 具備傳統機械操作、加工製造之基礎能力。 | ○ | ● | ● |  | | 具備機械製圖、電腦輔助設計與製造能力。 | ● | ● | ○ | ○ | | 具備機械銲接操作及砂模鑄造之基礎能力。 | ○ | ● | ● | ○ | | 具備各式機械組立裝配及檢修能力。 | ○ | ● | ● | ○ | | 具備數控精密機械基礎操作及保養能力。 | ● | ● | ● | ○ | | 具備金屬材料熱處理作業之基礎能力。 | ○ | ● | ● |  | | 具備金屬材料試驗及成品量測檢驗能力。 | ● | ● | ○ |  | | 具備集體創作與創意思考設計等能力。 | ● | ● | ● | ● | | 具備職場倫理、職業道德、職涯規劃、遵守職場安全衛生規範及永續發展之能力。 | ● | ● | ● | ○ | | 動力機械群 | 農業機械科 | 1.農機操作、修護、組立及教育訓練人員 2.農園場經營管理人員 3.農業自動化從業人員 4.銲接技術人員 5動力機械(汽機車)修護技術人員 | 1.培養農業機械操作、修護及組立相關人才 2.培養農園場經營管理相關人才 3.培養農業自動化控制與設計相關人才 4.培養銲接技術相關人才 5.培養動力機械(汽機車)修護相關人才 6.培養學生正確工作態度及職業道德 7.培養學生終身學習態度 | 學生具備農業機械操作、修護及組立相關知識與技能 | ● | ● | ● | ○ | | 學生具備農園場經營管理相關知識與技能 | ● | ○ | ○ | ● | | 學生具備農業自動化控制與設計相關知識與技能 | ● | ● | ○ | ○ | | 學生具備銲接技術相關知識與技能 | ● | ○ | ● | ○ | | 學生具備動力機械(汽機車)修護相關知識與技能 | ○ | ○ | ● | ○ | | 電機與電子群 | 資訊科 | 1.資訊工程人員 2.電信工程人員 3.網路架設人員 4.程式設計人員 5.網頁設計人員 6.電路維修人員 7.資訊軟體開發人員 8.網站維護人員 9.電腦銷售人員 | 1.培養資訊技術設計之基礎人才 2.培養程式設計設計與網頁設計能力之基礎人才 3.培養微電腦控制與應用能力之基礎人才 4.培養物聯網及智慧監控新興科技應用及設計之基礎人才 5.培養職業道德與終身學習之人才 | 1.具備資訊技術設計之基礎能力 | ● | ● | ● | ○ | | 2.具備程式設計設計與網頁設計能力之基礎能力 | ● | ● | ● | ○ | | 3.具備微電腦控制與應用能力之基礎能力 | ● | ● | ● | ● | | 4.具備晶片設計基礎能力 | ● | ● | ● | ● | | 5.具備物聯網及智慧監控等新興科技應用及設計基礎能力 | ● | ● | ● | ● | | 6.具備職業道德與終身學習之基礎能力 | ● | ● | ● | ● | | 電機與電子群 | 電機科 | 1. 電機控制技術員。 2. 水電技術員。 3. 資訊與電腦硬體技術員。 | 1. 培育具備電學、電子學與電工機械基本知識與技能之專業技術人才。 2. 培育具備手工具與基本電儀表操作能力之專業技術人才。 3. 培育具備工業控制電路圖識別、配線與故障檢修能力之專業技術人才。 4. 培育具備可程式控制器程式設計與機電整合基本應用能力之專業技術人才。 5. 培育具備室內配線識圖、規劃、施作與故障檢修能力之專業技術人才。 6. 培育具備電腦硬體維修與單晶片成品製作能力之專業技術人才。 7. 培育學生具備自我學習及自我精進能力之專業技術人才。 | 具備電學、電子學與電工機械基本知識與技能。 | ● | ● | ○ | ○ | | 具備手工具與基本電儀表操作能力。 | ● | ○ | ● |  | | 具備工業控制之電路圖識別、配線與故障檢修之能力。 | ● | ● | ● | ○ | | 具備可程式控制器程式設計與機電整合之基本應用能力。 | ● | ● | ● | ● | | 具備室內配線之識圖、規劃、施作與故障檢修之能力。 | ● | ● | ● | ○ | | 具備電腦硬體維修與單晶片成品製作之能力。 | ● | ● | ● | ● | | 具備職業道德、工作習慣、價值觀、敬業樂群、樂觀進取及熱忱的服務態度。 | ○ | ○ | ● |  | | 化工群 | 化工科 | 1.石油化學工業技術員 2.分析檢驗人員 3.環境汙染防治人員 4.生產技術/製程工業人員 5.妝品品管檢驗人員 6.實驗化驗人員 | 1.培養學生成為化工生產產業的基礎與進階人才。 2.培養學生成為檢驗分析產業的基礎及進階人才。 3.培養學生成為環境污染防治產業的基礎及進階人才。 4.培養學生成為合成材料及研發產業的基礎及進階人員。 5.培養學生成為兼具原料栽植、化工成品製作及設計包裝的跨領域整合基礎人才。 6.培養學生成為因應產業未來需求重視職業道德之終身學習人才。 | 1. 學生具有專業的分析實驗技術能力 | ● | ● | ● | ● | | 2. 學生具有化工廠現場專業的操作技術能力 |  | ● | ● | ● | | 3. 具備執行工業安全與衛生的基本能力。 | ● | ● |  | ● | | 4. 具備污染防治的基本觀念。 |  | ● | ● |  | | 5. 學生具有化工相關行業的認識及興趣的試探 | ● |  | ● | ● | | 6. 學生具有再進修的能力 | ● |  | ● |  | | 7. 具備職場倫理、職業道德及職涯規劃之能力 | ● | ○ | ● |  | | 農業群 | 農場經營科 | 畢業生主要職場： 1.公務機關： (1)各區農業改良場及農業試驗所 (2)各地方農會  2.民間機關： (1)農作物栽培場 (2)休閒農場 (3)農企業公司  3.自行於農業相關行業創業 | 1.培育農業生產及農業機械之基礎人才。 2. 培育農場經營與管理之基礎人才。 3.培育農產品生產、加工及應用之基礎人才。 4.培育職業道德與終身學習之人才。 | 具備農作物栽培之基礎能力。 | ○ | ● | ● | ○ | | 具備農業各式機具、設施及設備操作及應用之基本能力。 | ● | ● | ● | ● | | 具備農園場規劃及經營管理之基礎能力。 | ● | ● | ● | ● | | 具備農產品生產管理及茶葉應用之基礎能力。 | ● | ● | ● | ● | | 具備農產品加工與應用之基礎能力。 | ● | ● | ● | ● | | 具備職業道德與終身學習態度。 | ● | ● | ● | ○ | | 農業群 | 畜產保健科 | 畢業生主要職場： 1.公務機關： (1)動物防疫所技術人員 (2)農會從事人員 (3)畜產試驗所技術人員 2.民間機關： (1)動物科技研究所技術人員 (2)畜產品加工從業人員 (3)動物醫院助理人員 (4)各大畜牧場從業人員 (5)製藥廠從業人員 (6)飼料廠從業人員 | 1.培育動物生產與 保健之基本人才。 2.培育動物飼養管 理、寵物與保健衛生專業知識與技能之人才。 3.培育動物生產經 營與加工應用專業知識與技能之人才。 4.培育寵物飼養與保健衛生專業知識與技能人才。 5.培養相關專業領域繼續進修人才。 6.培養學生終身學習態度。 | 1.具備動物生產與保健基本概念之能力。 | ● | ● | ○ |  | | 2.具備動物飼養專業知識之能力。 | ● | ● | ● | ● | | 3.具備動物管理與經營之能力。 | ● | ● | ● | ● | | 4.具備動物基本解剖生理與疾病診斷之能力。 | ● | ● | ● |  | | 5.具備畜產加工與應用之能力。 | ● | ● | ● | ● | | 6.具備寵物飼養管理與衛生保健之能力。 | ● | ● | ● | ○ | | 7.具備職業道德、工作習慣、敬業樂群、樂觀進取、團隊合作、熱忱服務及終身學習態度。 | ● | ● | ● |  |  |  | | --- | | 備註： 1.各科教育目標、科專業能力：請參照群科課程綱要之規範敘寫。 2.學生圖像欄位，請填入學生圖像文字，各欄請以打點表示科專業能力與學生圖像之對應，「●」代表高度對應，「○」代表低度對應。 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 二、群科課程規劃 |  |  | | (一) 機械科 | |  | | 科專業能力： | |  | | 1. 具備傳統機械操作、加工製造之基礎能力。 2. 具備機械製圖、電腦輔助設計與製造能力。 3. 具備機械銲接操作及砂模鑄造之基礎能力。 4. 具備各式機械組立裝配及檢修能力。 5. 具備數控精密機械基礎操作及保養能力。 6. 具備金屬材料熱處理作業之基礎能力。 7. 具備金屬材料試驗及成品量測檢驗能力。 8. 具備集體創作與創意思考設計等能力。 9. 具備職場倫理、職業道德、職涯規劃、遵守職場安全衛生規範及永續發展之能力。 | |  | | 表5-3-1機械群機械科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 機械製造 | | ● | ○ | ● | ○ |  |  |  |  |  |  | | 機件原理 | | ● | ● | ● | ○ |  |  |  |  |  |  | | 機械力學 | | ○ | ○ | ● | ○ |  |  |  |  |  |  | | 機械材料 | | ● | ● | ● | ● |  |  |  |  |  |  | | 實習科目 | 機械基礎實習 | | ● | ○ | ○ | ○ |  |  |  |  |  |  | | 基礎電學實習 | | ● | ○ | ○ | ○ |  |  |  |  |  |  | | 機械製圖實習 | |  |  |  |  |  |  |  |  |  |  | | 電腦輔助製圖與實習 | | ○ | ● | ● | ○ |  |  |  |  |  |  | | 機械加工實習 | | ● | ○ | ● | ● |  |  |  |  |  |  | | 電腦輔助設計實習 | | ○ | ● | ● | ○ |  |  |  |  |  |  | | 數值控制機械實習 | | ○ | ○ | ● | ○ |  |  |  |  |  |  | | 電腦輔助製造實習 | | ○ | ● | ● | ● |  |  |  |  |  |  | | 綜合機械加工實習 | | ● | ○ | ○ | ● |  |  |  |  |  |  | | 校訂必修 | 實習科目 | 專題實作 | | ● | ○ | ○ | ● |  |  |  |  |  |  | | 熱處理實習 | | ○ | ○ | ○ | ● |  |  |  |  |  |  | | 銑床實習 | | ● | ○ | ○ | ● |  |  |  |  |  |  | | 校訂選修 | 專業科目 | 機構學 | | ● |  | ○ | ○ |  |  | ○ |  | ● |  | | 機械力學進階 | | ○ | ○ | ○ | ○ | ○ |  | ○ |  | ● |  | | 機械製造進階 | | ● | ● | ○ | ○ |  |  |  |  |  |  | | 實習科目 | 鉗工實習 | | ● | ● | ● | ● | ● | ○ | ○ | ● | ○ |  | | 車床實習 | | ● | ● | ● | ● | ● | ○ | ○ | ● | ○ |  | | 電腦立體繪圖實習 | | ● | ● | ● | ● | ○ | ○ | ○ | ● | ○ |  | | 量測實習 | | ● | ● | ● | ● | ● | ○ | ○ | ● | ○ |  | | 機械裝配實習 | | ● | ● | ● | ● | ● | ○ | ○ | ● | ○ |  | | 車床進階實習 | | ● | ● | ● | ● | ● | ○ | ○ | ● | ○ |  | | 文化創意設計實務 | | ○ | ● | ○ |  | ● |  | ○ | ● |  |  | | 銲接實務 | | ● |  |  | ○ |  | ○ | ○ | ● |  |  | | 機構製作實務 | | ● | ● |  | ○ | ○ | ○ | ● | ● |  |  |  |  | | --- | | 備註： | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 |  |  |  |  | | --- | --- | --- | |  |  |  | | (二) 農業機械科 | |  | | 科專業能力： | |  | | 1. 學生具備農業機械操作、修護及組立相關知識與技能 2. 學生具備農園場經營管理相關知識與技能 3. 學生具備農業自動化控制與設計相關知識與技能 4. 學生具備銲接技術相關知識與技能 5. 學生具備動力機械(汽機車)修護相關知識與技能 | |  | | 表5-3-2動力機械群農業機械科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 應用力學 | | ○ |  | ○ | ○ |  |  | | 機件原理 | | ● |  | ● | ○ | ○ |  | | 引擎原理 | | ● | ○ | ○ |  | ● |  | | 底盤原理 | | ● | ○ | ○ |  | ● |  | | 基本電學 | | ○ |  | ● | ○ | ○ |  | | 實習科目 | 機械工作法及實習 | | ○ |  | ○ | ● | ○ |  | | 機電製圖實習 | | ○ |  | ● | ● | ○ |  | | 引擎實習 | | ● | ○ | ○ |  | ● |  | | 底盤實習 | | ● | ○ | ○ |  | ● |  | | 電工電子實習 | | ○ |  | ● | ○ | ○ |  | | 電系實習 | | ○ |  | ● |  | ○ |  | | 機器腳踏車基礎實習 | | ● | ○ | ○ |  | ● |  | | 機器腳踏車檢修實習 | | ● | ○ | ○ |  | ● |  | | 液氣壓基礎實習 | | ○ |  | ● | ○ | ○ |  | | 液氣壓檢修實習 | | ○ |  | ● | ○ | ○ |  | | 動力機械操作實習 | | ● | ● | ○ |  | ● |  | | 動力機械引擎實習 | | ● | ○ | ○ |  | ● |  | | 校訂必修 | 專業科目 | 農業機械 | | ● | ○ | ● |  | ● |  | | 實習科目 | 農業資訊管理實習 | |  | ● | ○ |  |  |  | | 農業機械實習 | | ● | ○ | ● |  | ● |  | | 專題實作 | |  |  |  |  |  |  | | 銲接實習 | | ○ |  | ○ | ● |  |  | | 農機田間操作實習 | | ● | ● | ○ |  |  |  | | 校訂選修 | 實習科目 | 農業自動化控制實習 | | ● | ● | ● |  |  |  | | 機電整合實習 | |  | ○ | ● |  |  |  | | 農機工廠實習 | | ● | ● |  | ● |  |  | | 電腦輔助繪圖實習 | | ○ |  | ● | ○ |  |  | | 作業機械實習 | | ● | ● | ○ |  | ○ |  | | 堆高機實習 | | ○ | ○ | ● |  |  |  |  |  | | --- | | 備註： | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 |  |  |  |  | | --- | --- | --- | |  |  |  | | (三) 資訊科 | |  | | 科專業能力： | |  | | 1. 具備資訊技術設計之基礎能力 2. 具備程式設計設計與網頁設計能力之基礎能力 3. 具備微電腦控制與應用能力之基礎能力 4. 具備晶片設計基礎能力 5. 具備物聯網及智慧監控等新興科技應用及設計基礎能力 6. 具備職業道德與終身學習之基礎能力 | |  | | 表5-3-3電機與電子群資訊科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 基本電學 | | ● |  |  |  |  | ○ |  | | 電子學 | | ● |  |  | ○ |  | ○ |  | | 數位邏輯設計 | | ● |  | ○ | ● |  | ○ |  | | 微處理機 | | ● |  | ○ | ● |  | ○ |  | | 實習科目 | 基本電學實習 | | ● |  | ○ | ○ | ○ | ● |  | | 電子學實習 | | ● |  | ○ | ○ | ○ | ● |  | | 程式設計實習 | | ● | ● | ● | ○ | ● | ● |  | | 可程式邏輯設計實習 | | ● | ○ | ○ | ● | ○ | ● |  | | 單晶片微處理機實習 | | ● | ● | ● | ● | ● | ● |  | | 行動裝置應用實習 | | ● | ● |  | ○ | ● | ● |  | | 微電腦應用實習 | | ● | ● | ● | ○ | ● | ● |  | | 介面電路控制實習 | | ● | ○ | ● | ○ | ○ | ● |  | | 校訂必修 | 專業科目 | 電子電路 | | ● | ● | ○ | ● | ● | ● |  | | 實習科目 | 專題實作 | | ● | ● | ● | ● | ● | ○ |  | | 校訂選修 | 實習科目 | 網頁設計實習 | | ● | ● | ● | ○ | ○ | ● |  | | 物聯網設計實習 | | ● | ● | ○ | ● | ● | ● |  | | 智慧監控實習 | | ● | ● | ○ | ● | ● | ● |  | | 電學實習 | | ● | ○ | ● | ○ | ● | ● |  | | 資訊通信實習 | | ● | ● | ○ | ● | ● | ○ |  | | 電子技術實習 | | ● | ● | ○ | ● | ● | ● |  | | 邏輯運算實習 | | ● | ● | ○ | ● | ● | ● |  | | 電路學實習 | | ● | ● | ● | ● | ● | ○ |  | | 電子電路實習 | | ● | ● | ● | ● | ● | ○ |  | | 電腦軟體應用實習 | | ● | ● | ○ | ● | ● | ○ |  |  |  | | --- | | 備註： | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 |  |  |  |  | | --- | --- | --- | |  |  |  | | (四) 電機科 | |  | | 科專業能力： | |  | | 1. 具備電學、電子學與電工機械基本知識與技能。 2. 具備手工具與基本電儀表操作能力。 3. 具備工業控制之電路圖識別、配線與故障檢修之能力。 4. 具備可程式控制器程式設計與機電整合之基本應用能力。 5. 具備室內配線之識圖、規劃、施作與故障檢修之能力。 6. 具備電腦硬體維修與單晶片成品製作之能力。 7. 具備職業道德、工作習慣、價值觀、敬業樂群、樂觀進取及熱忱的服務態度。 | |  | | 表5-3-4電機與電子群電機科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | |  |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 基本電學 | | ● |  | ● | ● | ● | ● |  |  | | 電子學 | | ● |  |  |  |  | ● |  |  | | 電工機械 | | ● |  | ● | ● | ● |  |  |  | | 實習科目 | 基本電學實習 | | ● | ● | ● |  | ● | ● |  |  | | 電子學實習 | | ● | ● |  |  |  |  |  |  | | 電工實習 | | ● | ● | ● |  |  |  |  |  | | 可程式控制實習 | |  |  | ● | ● |  |  |  |  | | 機電整合實習 | |  |  |  | ● |  |  |  |  | | 智慧居家監控實習 | |  |  |  |  |  | ● |  |  | | 電力電子應用實習 | |  |  |  |  |  | ● |  |  | | 電工機械實習 | | ● | ● | ● |  |  |  |  |  | | 校訂必修 | 實習科目 | 電機實習 | | ● | ● |  |  |  |  |  |  | | 室內配線實習 | |  | ● |  |  | ● |  |  |  | | 專題實作 | | ● | ● |  |  |  | ● | ● |  | | 校訂選修 | 專業科目 | 基本電學進階 | | ● |  |  |  |  |  | ● |  | | 數位邏輯 | | ● |  |  |  |  | ● | ● |  | | 邏輯設計 | | ● |  |  |  |  | ● | ● |  | | 工業電子學 | | ● | ● | ● |  |  |  | ● |  | | 自動控制 | | ● | ● | ● | ● |  |  | ● |  | | 電路設計 | | ● | ● | ● |  | ● |  | ● |  | | 輸配電 | | ● | ● |  |  | ○ |  | ● |  | | 配線設計 | | ● | ○ | ● | ● |  |  | ● |  | | 可程式設計 | | ○ |  | ● | ● |  |  | ● |  | | 電工機械進階 | | ● | ○ |  |  | ● |  | ● |  | | 程式設計 | | ● | ○ | ● | ● | ○ |  | ● |  | | 微處理機 | | ● | ○ | ○ | ○ | ○ | ● | ● |  | | 實習科目 | 工業配線實習 | |  |  | ● |  |  |  |  |  | | 電機基礎應用 | | ● | ● |  |  |  |  | ● |  | | 室內配線進階實習 | | ● | ● | ○ |  | ● |  | ● |  | | 電機控制應用實習 | | ● | ● | ● | ● |  |  | ● |  | | 物聯網實習 | | ● | ○ | ● | ● | ○ | ○ | ● |  |  |  | | --- | | 備註： | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 |  |  |  |  | | --- | --- | --- | |  |  |  | | (五) 化工科 | |  | | 科專業能力： | |  | | 1. 學生具有專業的分析實驗技術能力 2. 學生具有化工廠現場專業的操作技術能力 3. 具備執行工業安全與衛生的基本能力。 4. 具備污染防治的基本觀念。 5. 學生具有化工相關行業的認識及興趣的試探 6. 學生具有再進修的能力 7. 具備職場倫理、職業道德及職涯規劃之能力 | |  | | 表5-3-5化工群化工科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | |  |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 普通化學 | | ● | ○ | ● | ● | ○ | ● |  |  | | 分析化學 | | ● | ○ | ○ | ○ | ○ | ● |  |  | | 基礎化工 | | ● | ● | ○ | ○ | ● | ● |  |  | | 化工裝置 | | ● | ● | ○ | ○ | ○ | ● |  |  | | 實習科目 | 普通化學實習 | | ● | ○ | ● | ○ | ○ | ● |  |  | | 分析化學實習 | | ● | ○ | ○ | ○ | ○ | ● |  |  | | 化工裝置實習 | | ● | ● | ○ | ○ | ○ | ● |  |  | | 化工儀器實習 | | ● | ● | ○ | ○ | ○ | ● |  |  | | 校訂必修 | 專業科目 | 化學工業概論 | | ○ | ○ | ○ | ● | ● | ● |  |  | | 實習科目 | 專題實作 | | ● | ● |  |  | ● | ● |  |  | | 校訂選修 | 實習科目 | 工藝品製作實習 | | ○ | ● | ○ | ○ | ○ | ● |  |  | | 工業分析實習 | | ● | ● |  | ○ | ● | ● |  |  | | 高分子材料實習 | | ● | ● | ○ | ○ | ○ |  |  |  | | 基礎化學實習 | |  |  | ○ |  | ● | ○ |  |  | | 化學品製造實習 | | ○ | ● | ● | ● | ● | ○ |  |  | | 應用化學實習 | | ● | ● | ● | ○ | ● | ● |  |  | | 環境檢驗實習 | | ● | ● | ● | ● | ● | ○ |  |  |  |  |  |  | | --- | --- | --- | | 備註： | | | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 | | | |  |  |  | | (六) 農場經營科 | |  | | 科專業能力： | |  | | 1. 具備農作物栽培之基礎能力。 2. 具備農業各式機具、設施及設備操作及應用之基本能力。 3. 具備農園場規劃及經營管理之基礎能力。 4. 具備農產品生產管理及茶葉應用之基礎能力。 5. 具備農產品加工與應用之基礎能力。 6. 具備職業道德與終身學習態度。 | |  | | 表5-3-6農業群農場經營科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 農業概論 | | ● | ● | ○ | ○ | ● | ● |  | | 生物技術概論 | | ● |  |  |  |  |  |  | | 農業安全衛生 | | ● |  |  |  |  |  |  | | 生命科學概論 | | ● |  |  |  |  |  |  | | 實習科目 | 農業資訊管理實習 | |  | ● | ○ |  | ○ |  |  | | 農園場管理實習 | | ● | ● | ● | ● | ● | ● |  | | 植物栽培實習 | | ● | ● | ● | ● | ● | ● |  | | 農業資源應用實習 | | ● | ● | ● | ● | ● | ● |  | | 植物識別實習 | | ● | ● | ○ | ○ |  |  |  | | 植物保護實習 | | ● | ● | ○ | ○ |  |  |  | | 校訂必修 | 專業科目 | 作物生產 | | ● | ● | ○ | ● | ● | ○ |  | | 園藝學概論 | | ● | ● | ○ | ● | ● | ○ |  | | 農藝學概論 | | ● | ● | ○ | ● | ● | ○ |  | | 茶作學 | | ● | ● | ○ | ● | ● | ○ |  | | 農業專論 | | ● | ● | ○ | ● | ● | ○ |  | | 生物進階 | | ● | ● | ○ | ○ | ○ | ○ |  | | 實習科目 | 專題實作 | | ● | ● | ● | ● | ● | ● |  | | 植物組織培養實習 | | ● | ● | ● | ○ | ○ | ● |  | | 校訂選修 | 實習科目 | 製茶技術實習 | | ● | ● | ● | ● | ○ | ● |  | | 茶藝技術實習 | | ● | ● | ● | ● | ● | ● |  | | 農場管理實習 | | ● | ● | ● | ● | ● | ● |  | | 造園基本設計實習 | |  |  | ● |  |  | ● |  | | 米食及農產加工實習 | | ● | ● | ○ | ○ | ● | ● |  | | 穀類加工實習 | | ● | ● | ○ | ○ | ● | ● |  |  |  |  |  | | --- | --- | --- | | 備註： | | | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 | | | |  |  |  | | (七) 畜產保健科 | |  | | 科專業能力： | |  | | 1. 具備動物生產與保健基本概念之能力。 2. 具備動物飼養專業知識之能力。 3. 具備動物管理與經營之能力。 4. 具備動物基本解剖生理與疾病診斷之能力。 5. 具備畜產加工與應用之能力。 6. 具備寵物飼養管理與衛生保健之能力。 7. 具備職業道德、工作習慣、敬業樂群、樂觀進取、團隊合作、熱忱服務及終身學習態度。 | |  | | 表5-3-7農業群畜產保健科課程規劃與科專業能力對應檢核表 (以科為單位，1科1表) | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **課程 類別** | | **領域/科目** | | **科專業能力對應檢核** | | | | | | | **備註** | | **名稱** | | **名稱** | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | |  |  |  |  |  |  |  |  |  |  |  |  | | 部定必修 | 專業科目 | 農業概論 | | ● | ● | ○ |  | ● |  | ○ |  | | 生物技術概論 | | ● | ○ |  | ○ |  |  |  |  | | 農業安全衛生 | | ○ |  | ○ |  |  |  | ● |  | | 生命科學概論 | | ● | ○ |  | ● |  |  |  |  | | 實習科目 | 農業資訊管理實習 | |  |  | ● |  |  |  | ● |  | | 牧場管理實習 | | ● | ● | ● | ○ |  | ○ | ● |  | | 解剖生理實習 | | ● | ● |  | ● | ○ | ● | ● |  | | 動物飼養實習 | | ● | ● | ● | ● |  | ○ | ● |  | | 動物保健實習 | | ● | ● | ● | ● |  | ● | ● |  | | 動物營養實習 | | ● | ● | ● |  |  | ○ | ● |  | | 校訂必修 | 專業科目 | 家畜解剖生理學 | | ● | ○ |  | ● | ○ | ○ | ● |  | | 禽畜保健衛生 | | ● | ● | ○ | ● |  | ● | ● |  | | 畜牧學 | | ● | ● | ● | ○ |  |  | ● |  | | 實習科目 | 畜產加工實習 | | ○ |  |  |  | ● |  | ● |  | | 專題實作 | |  | ○ | ○ |  | ● | ○ | ● |  | | 校訂選修 | 專業科目 | 禽畜保健衛生進階 | | ● | ● | ○ | ● |  | ● |  |  | | 生物進階 | | ● | ● | ○ | ○ | ○ | ○ | ○ |  | | 實習科目 | 畜產品應用實習 | | ○ |  |  |  | ● |  | ● |  | | 寵物經營實務 | | ○ |  |  |  |  | ● | ● |  | | 寵物飼養實務 | | ○ | ○ | ○ |  |  | ● | ● |  | | 農畜產品加工實習 | | ○ | ○ | ○ |  | ● |  | ● |  |  |  | | --- | | 備註： | | 1. 科專業能力欄位，請於空格中以打點表示科目與科專業能力的對應，「●」代表高度對應，表示該科目中有章節明列；「○」代表低度對應，表示科目中雖沒有章節明列，教師於授課時仍會提及。 2. 本表不足，請自行增列。 | | |  |  |  | | --- | --- | --- | |  |  |  | | 三、科課程地圖 | |  |  |  |  |  | | --- | --- | --- | |  |  |  | | (一) 機械科 | | | |  |  |  | |  | | |  |  |  |  | | --- | --- | --- | |  |  |  | | (二) 農業機械科 | | | |  |  |  | |  | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | |  |  |  | | (三) 資訊科 |  | | | | |  | |  |  |  | |  |  | | | |  |  |  |  | | --- | --- | --- | |  |  |  | | (四) 電機科 | | | |  |  |  | |  | | |  |  |  |  | | --- | --- | --- | |  |  |  | | (五) 化工科 | | | |  |  |  | |  | | |  |  |  |  |  | | --- | --- | --- | --- | |  |  | |  | | (六) 農場經營科 | | | | |  | |  | |  | | | |  |  |  |  | | --- | --- | --- | |  |  |  | | (七) 畜產保健科 | | | |  |  |  | |  | | |  |  | | --- | |  | | | | | | |  | | | |
| 肆、群科課程表 |  |

|  |
| --- |
| 一、教學科目與學分(節)數表 |

機械群機械科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 8 | 4 | 4 |  |  |  |  | C版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 |  |  | 1 | 1 |  |  |  |
| 自然科學領域 | 物理 | 4 | 2 | 2 |  |  |  |  | B版 |
| 化學 | 2 |  |  | 1 | 1 |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 |  |  |  |  |  | 2 |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 74 | 18 | 18 | 11 | 11 | 7 | 9 | 部定必修一般科目總計74學分 |
| 專業科目 | 機械製造 | | 4 | 2 | 2 |  |  |  |  |  |
| 機件原理 | | 4 |  |  | 2 | 2 |  |  |  |
| 機械力學 | | 4 |  |  | 2 | 2 |  |  |  |
| 機械材料 | | 4 |  |  |  |  | 2 | 2 |  |
| 小計 | | 16 | 2 | 2 | 4 | 4 | 2 | 2 | 部定必修專業科目總計16學分 |
| 實習科目 | 機械基礎實習 | | 3 | 3 |  |  |  |  |  |  |
| 基礎電學實習 | | 3 |  | 3 |  |  |  |  |  |
| 機械製圖實習 | | 6 | 3 | 3 |  |  |  |  |  |
| 電腦輔助製圖與實習 | | 3 |  |  | 3 |  |  |  |  |
| 機械加工實習 | | 3 |  |  |  | 3 |  |  |  |
| 數值控制技能領域 | 電腦輔助設計實習 | 3 |  |  |  |  | 3 |  |  |
| 數值控制機械實習 | 3 |  |  |  |  | 3 |  |  |
| 精密機械製造技能領域 | 電腦輔助製造實習 | 3 |  |  |  |  |  | 3 |  |
| 綜合機械加工實習 | 3 |  |  |  |  | 3 |  |  |
| 小計 | | 30 | 6 | 6 | 3 | 3 | 9 | 3 | 部定必修實習科目總計30學分 |
| 專業及實習科目合計 | | | 46 | 8 | 8 | 7 | 7 | 11 | 5 |  |
| 部定必修合計 | | | 120 | 26 | 26 | 18 | 18 | 18 | 14 | 部定必修總計120學分 |

機械群機械科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 24學分  12.77% | [專業英文](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=9c5f7598617ce9fa63636c09af980514&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=2&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| [實用語文與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=e79e0b87c3d5f0f99e5a62d579b3bed1&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 數學 | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | 24 | 2 | 2 | 6 | 6 | 4 | 4 | 校訂必修一般科目總計24學分 |
| 實習科目 | 14學分  7.45% | [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 4 |  |  |  |  | 4 |  | 實習分組 |
| [銑床實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=c0a661b6c1878ad48e91141ad77638fd&PCAT=2&PAtt=3) | 8 |  |  | 4 | 4 |  |  | 實習分組 |
| [熱處理實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=395293d69aa539b28aac74c2a24c4acc&PCAT=2&PAtt=3) | 2 |  | 2 |  |  |  |  | 實習分組 |
| 小計 | 14 |  | 2 | 4 | 4 | 4 |  | 校訂必修實習科目總計14學分 |
| 校訂必修學分數合計 | | | 38 | 2 | 4 | 10 | 10 | 8 | 4 | 校訂必修總計38學分 |
| 校訂選修 | ~般科目 |  | [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| 最低應選修學分數小計 | 2 |  |  |  |  |  |  |  |
| 專業科目 |  | [機械力學進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=89a5fa68a76827b00c2dbddb527f575d&PCAT=7&PAtt=2) | 2 |  |  |  |  |  | 2 |  |
| [機械製造進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=06a7615ecc9f310c14adbf864c132b87&PCAT=7&PAtt=2) | 2 |  |  |  |  | 2 |  |  |
| [機構學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=6ceb5feac259a8de67bd802e6394b7e7&PCAT=7&PAtt=2) | 2 |  |  |  |  | 2 |  |  |
| 最低應選修學分數小計 | 6 |  |  |  |  |  |  |  |
| 實習科目 |  | [文化創意設計實務](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=61a6b6d89495601f1fb6e450a2f72626&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 實習分組 |
| [車床進階實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=b180057289c3735b1e80465c850cd2d9&PCAT=7&PAtt=3) | 3 |  |  | 3 |  |  |  | 實習分組 |
| [車床實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=02df3e8786fefea0a8975a6d8c8b7927&PCAT=7&PAtt=3) | 4 | 2 | 2 |  |  |  |  | 實習分組 |
| [鉗工實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=840ea3bcfbd4fc14eb1eaf614e8987e3&PCAT=7&PAtt=3) | 2 | 2 |  |  |  |  |  | 實習分組 |
| [電腦立體繪圖實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=b13fb45ccb9b55834fe506f6d18d7fa6&PCAT=7&PAtt=3) | 3 |  |  |  | 3 |  |  | 實習分組 |
| [機械裝配實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=215d70eee0708e490933edb7cad6118b&PCAT=7&PAtt=3) | 4 |  |  |  |  |  | 4 | 同科單班 AL2選1 |
| [機構製作實務](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=f17821416e953579ac28e49b9068ff3c&PCAT=7&PAtt=3) | 4 |  |  |  |  |  | 4 | 同科單班 AL2選1 |
| [量測實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=c814aeba2a0bff456bc1c7439ffd00cd&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AM2選1 |
| [銲接實務](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=21&PDeptID=301&PClassiD=0&PcourseNO=ebc6ecbbdaaa097b1c9cb781a4579e6f&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AM2選1 |
| 最低應選修學分數小計 | 22 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 30 | 4 | 2 | 4 | 4 | 4 | 12 | 多元選修開設7學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

動力機械群農業機械科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 8 | 4 | 4 |  |  |  |  | C版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 |  |  | 1 | 1 |  |  |  |
| 自然科學領域 | 物理 | 2 | 2 |  |  |  |  |  | A版 |
| 化學 | 2 |  | 2 |  |  |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 | 1 | 1 |  |  |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 | 2 |  |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 72 | 21 | 19 | 9 | 9 | 7 | 7 | 部定必修一般科目總計72學分 |
| 專業科目 | 應用力學 | | 2 |  |  |  | 2 |  |  |  |
| 機件原理 | | 2 |  |  | 2 |  |  |  |  |
| 引擎原理 | | 3 | 3 |  |  |  |  |  |  |
| 底盤原理 | | 3 |  | 3 |  |  |  |  |  |
| 基本電學 | | 2 |  |  |  | 2 |  |  |  |
| 小計 | | 12 | 3 | 3 | 2 | 4 | 0 | 0 | 部定必修專業科目總計12學分 |
| 實習科目 | 機械工作法及實習 | | 4 |  | 4 |  |  |  |  |  |
| 機電製圖實習 | | 4 | 4 |  |  |  |  |  |  |
| 引擎實習 | | 4 |  |  | 4 |  |  |  |  |
| 底盤實習 | | 4 |  |  |  | 4 |  |  |  |
| 電工電子實習 | | 3 |  |  |  |  | 3 |  |  |
| 電系實習 | | 3 |  |  |  |  |  | 3 |  |
| 機器腳踏車技能領域 | 機器腳踏車基礎實習 | 3 | 3 |  |  |  |  |  |  |
| 機器腳踏車檢修實習 | 3 |  | 3 |  |  |  |  |  |
| 液氣壓技能領域 | 液氣壓基礎實習 | 3 |  |  | 3 |  |  |  |  |
| 液氣壓檢修實習 | 3 |  |  |  | 3 |  |  |  |
| 動力機械技能領域 | 動力機械操作實習 | 3 |  |  |  |  |  | 3 |  |
| 動力機械引擎實習 | 3 |  |  |  |  | 3 |  |  |
| 小計 | | 40 | 7 | 7 | 7 | 7 | 6 | 6 | 部定必修實習科目總計40學分 |
| 專業及實習科目合計 | | | 52 | 10 | 10 | 9 | 11 | 6 | 6 |  |
| 部定必修合計 | | | 124 | 31 | 29 | 18 | 20 | 13 | 13 | 部定必修總計124學分 |

動力機械群農業機械科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 8學分  4.26% | 數學 | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | 8 |  |  | 4 | 4 |  |  | 校訂必修一般科目總計8學分 |
| 專業科目 | 2學分  1.06% | [農業機械](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=63fb6c811bebeadd989c7530bdebc2a8&PCAT=2&PAtt=2) | 2 |  |  | 2 |  |  |  |  |
| 小計 | 2 |  |  | 2 |  |  |  | 校訂必修專業科目總計2學分 |
| 實習科目 | 25學分 13.3% | [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 3 |  |  |  |  |  | 3 | 實習分組 |
| [農業資訊管理實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=d26862cebb2f3430b3e1f73bb110a558&PCAT=2&PAtt=3) | 2 |  | 2 |  |  |  |  | 實習分組 |
| [農業機械實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=6cb41a1c91eec30a7b33e96409b5a227&PCAT=2&PAtt=3) | 6 |  |  | 3 | 3 |  |  | 實習分組 |
| [農機田間操作實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=9671564131fb03a99c725fb0e38c3adc&PCAT=2&PAtt=3) | 8 |  |  |  |  | 4 | 4 | 實習分組 |
| [銲接實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=b82b8e816f9da9b4ce443c282fc3d5ce&PCAT=2&PAtt=3) | 6 |  |  |  |  | 3 | 3 | 實習分組 |
| 小計 | 25 |  | 2 | 3 | 3 | 7 | 10 | 校訂必修實習科目總計25學分 |
| 校訂必修學分數合計 | | | 35 |  | 2 | 9 | 7 | 7 | 10 | 校訂必修總計35學分 |
| 校訂選修 | ~般科目 |  | [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| [專業英文](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=9c5f7598617ce9fa63636c09af980514&PCAT=7&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=7&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| 最低應選修學分數小計 | 12 |  |  |  |  |  |  |  |
| 實習科目 |  | [農機工廠實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=8bec500a37952ed221e5a8df0779679b&PCAT=7&PAtt=3) | 6 |  |  | 3 | 3 |  |  | 實習分組 |
| [機電整合實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=1711497b1bd3100fee9b092f3c0496f4&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 實習分組 |
| [堆高機實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=d7a6105606c55c0e9311bf4ddc569669&PCAT=7&PAtt=3) | 4 |  |  |  |  |  | 4 | 同科單班 AN2選1 |
| [農業自動化控制實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=6ad3ac044cb3bac15bb8f8a0f6b1ac80&PCAT=7&PAtt=3) | 4 |  |  |  |  |  | 4 | 同科單班 AN2選1 |
| [作業機械實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=d57f3b91a2d3171433cc27581c368674&PCAT=7&PAtt=3) | 4 |  |  |  |  | 4 |  | 同科單班 AO2選1 |
| [電腦輔助繪圖實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=22&PDeptID=205&PClassiD=0&PcourseNO=c82153d721f9511b7d40e827b2365086&PCAT=7&PAtt=3) | 4 |  |  |  |  | 4 |  | 同科單班 AO2選1 |
| 最低應選修學分數小計 | 17 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 29 | 1 | 1 | 5 | 5 | 10 | 7 | 多元選修開設8學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

電機與電子群資訊科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 8 | 4 | 4 |  |  |  |  | C版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 | 1 | 1 |  |  |  |  |  |
| 自然科學領域 | 物理 | 4 | 2 | 2 |  |  |  |  | B版 |
| 化學 | 2 |  |  | 1 | 1 |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 |  | 2 |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 74 | 19 | 21 | 10 | 10 | 7 | 7 | 部定必修一般科目總計74學分 |
| 專業科目 | 基本電學 | | 6 | 3 | 3 |  |  |  |  |  |
| 電子學 | | 6 |  |  | 3 | 3 |  |  |  |
| 數位邏輯設計 | | 3 |  |  | 3 |  |  |  |  |
| 微處理機 | | 3 |  |  |  | 3 |  |  |  |
| 小計 | | 18 | 3 | 3 | 6 | 6 | 0 | 0 | 部定必修專業科目總計18學分 |
| 實習科目 | 基本電學實習 | | 3 |  | 3 |  |  |  |  |  |
| 電子學實習 | | 6 |  |  | 3 | 3 |  |  |  |
| 晶片設計技能領域 | 程式設計實習 | 3 | 3 |  |  |  |  |  |  |
| 可程式邏輯設計實習 | 3 |  |  | 3 |  |  |  |  |
| 單晶片微處理機實習 | 3 |  |  |  | 3 |  |  |  |
| 微電腦應用技能領域 | 行動裝置應用實習 | 3 |  |  |  | 3 |  |  |  |
| 微電腦應用實習 | 3 |  |  |  |  | 3 |  |  |
| 介面電路控制實習 | 3 |  |  |  |  | 3 |  |  |
| 小計 | | 27 | 3 | 3 | 6 | 9 | 6 | 0 | 部定必修實習科目總計27學分 |
| 專業及實習科目合計 | | | 45 | 6 | 6 | 12 | 15 | 6 | 0 |  |
| 部定必修合計 | | | 119 | 25 | 27 | 22 | 25 | 13 | 7 | 部定必修總計119學分 |

電機與電子群資訊科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 30學分  15.96% | [小說選讀](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=0b5297c8ea963a48688581adb325d93b&PCAT=2&PAtt=1) | 2 |  |  |  |  | 1 | 1 |  |
| [專業英文](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=9c5f7598617ce9fa63636c09af980514&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=2&PAtt=1) | 8 |  |  |  |  | 4 | 4 |  |
| [實用語文與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=e79e0b87c3d5f0f99e5a62d579b3bed1&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 數學 | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | 30 | 2 | 2 | 6 | 6 | 7 | 7 | 校訂必修一般科目總計30學分 |
| 專業科目 | 2學分  1.06% | [電子電路](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=d79477fc185147956468d655f0b87955&PCAT=2&PAtt=2) | 2 |  |  |  |  | 2 |  |  |
| 小計 | 2 |  |  |  |  | 2 |  | 校訂必修專業科目總計2學分 |
| 實習科目 | 6學分  3.19% | [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 6 |  |  |  |  | 3 | 3 | 實習分組 |
| 小計 | 6 |  |  |  |  | 3 | 3 | 校訂必修實習科目總計6學分 |
| 校訂必修學分數合計 | | | 38 | 2 | 2 | 6 | 6 | 12 | 10 | 校訂必修總計38學分 |
| 校訂選修 | ~般科目 |  | [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| 最低應選修學分數小計 | 2 |  |  |  |  |  |  |  |
| 實習科目 |  | [資訊通信實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=096ff805f3661a9fc6faa0de71e98a73&PCAT=7&PAtt=3) | 2 |  |  |  |  |  | 2 |  |
| [電腦軟體應用實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=d92a26f5ad28318267836cf6626f6ed2&PCAT=7&PAtt=3) | 5 | 2 | 3 |  |  |  |  |  |
| [電路學實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=6796604b3d162403d5c2ca1209956428&PCAT=7&PAtt=3) | 5 |  |  |  |  | 2 | 3 |  |
| [電學實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=06ec7845d34b7d2bb1f2c62ce1a22035&PCAT=7&PAtt=3) | 3 | 3 |  |  |  |  |  |  |
| [網頁設計實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=552313d6f00c3647b3b1b394b62f377d&PCAT=7&PAtt=3) | 3 |  |  | 3 |  |  |  |  |
| [邏輯運算實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=5bf0457eee31f03488f07313075992fb&PCAT=7&PAtt=3) | 2 |  |  |  |  |  | 2 |  |
| [物聯網設計實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=bbdfd59e8ae42bfa7ebf2ded29a36851&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AA2選1 |
| [智慧監控實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=3075dbc80c8ad7c8069a748968b4c2a9&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AA2選1 |
| [物件導向語言實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=1f8c1e98c481b4a065f0606a0a134f4f&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同校跨群 AI3選1  (微電腦修護科) |
| [電子技術實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=101372d450f484e96ebb363513541798&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同校跨群 AI3選1  (微電腦修護科) |
| [電子電路實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=68a8ebf4553c797f5efb4c48630c867f&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同校跨群 AI3選1  (微電腦修護科) |
| [人機介面實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=7b40f82bd4e3c5d46f0aa5c053eca3cf&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 同校跨群 AR3選1  (微電腦修護科) |
| [作業系統與伺服器架設實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=e468c55e413c4d3f0ff680be9a6fe725&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 同校跨群 AR3選1  (微電腦修護科) |
| [電腦網路實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=305&PClassiD=0&PcourseNO=c8336109a2cd8c175aaf162d8df59f87&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 同校跨群 AR3選1  (微電腦修護科) |
| 最低應選修學分數小計 | 29 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 31 | 5 | 3 | 4 | 1 | 5 | 13 | 多元選修開設9學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 每週總上課時間(節數) | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

電機與電子群電機科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 8 | 4 | 4 |  |  |  |  | C版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 | 1 | 1 |  |  |  |  |  |
| 自然科學領域 | 物理 | 4 | 2 | 2 |  |  |  |  | B版 |
| 化學 | 2 |  |  | 1 | 1 |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 |  | 2 |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 74 | 19 | 21 | 10 | 10 | 7 | 7 | 部定必修一般科目總計74學分 |
| 專業科目 | 基本電學 | | 6 | 3 | 3 |  |  |  |  |  |
| 電子學 | | 6 |  |  | 3 | 3 |  |  |  |
| 電工機械 | | 6 |  |  | 3 | 3 |  |  |  |
| 小計 | | 18 | 3 | 3 | 6 | 6 | 0 | 0 | 部定必修專業科目總計18學分 |
| 實習科目 | 基本電學實習 | | 3 |  | 3 |  |  |  |  |  |
| 電子學實習 | | 6 |  |  | 3 | 3 |  |  |  |
| 自動控制技能領域 | 電工實習 | 3 | 3 |  |  |  |  |  |  |
| 可程式控制實習 | 3 |  |  | 3 |  |  |  |  |
| 機電整合實習 | 3 |  |  |  |  | 3 |  |  |
| 電機工程技能領域 | 智慧居家監控實習 | 3 |  |  |  |  | 3 |  |  |
| 電力電子應用實習 | 3 |  |  |  |  | 3 |  |  |
| 電工機械實習 | 3 |  |  |  | 3 |  |  |  |
| 小計 | | 27 | 3 | 3 | 6 | 6 | 9 | 0 | 部定必修實習科目總計27學分 |
| 專業及實習科目合計 | | | 45 | 6 | 6 | 12 | 12 | 9 | 0 |  |
| 部定必修合計 | | | 119 | 25 | 27 | 22 | 22 | 16 | 7 | 部定必修總計119學分 |

電機與電子群電機科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 24學分 12.9% | [專業英文](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=9c5f7598617ce9fa63636c09af980514&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=2&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| [實用語文與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=e79e0b87c3d5f0f99e5a62d579b3bed1&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 數學 | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | 24 | 2 | 2 | 6 | 6 | 4 | 4 | 校訂必修一般科目總計24學分 |
| 實習科目 | 12學分 6.45% | [室內配線實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=6bb8a8ffc5a06749a52767f02692825d&PCAT=2&PAtt=3) | 3 |  | 3 |  |  |  |  | 實習分組 |
| [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 6 |  |  |  |  | 4 | 2 | 實習分組 |
| [電機實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=e0b284086a7c261303eb142b963cfbfb&PCAT=2&PAtt=3) | 3 | 3 |  |  |  |  |  | 實習分組 |
| 小計 | 12 | 3 | 3 |  |  | 4 | 2 | 校訂必修實習科目總計12學分 |
| 校訂必修學分數合計 | | | 36 | 5 | 5 | 6 | 6 | 8 | 6 | 校訂必修總計36學分 |
| 校訂選修 | ~般科目 |  | [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| 最低應選修學分數小計 | 2 |  |  |  |  |  |  |  |
| 專業科目 |  | [基本電學進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=f4aca384e8d3572662e2862f90c64996&PCAT=7&PAtt=2) | 3 |  |  |  |  | 3 |  |  |
| [電工機械進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=fce1b2d7af057bf28df865d34b668fc5&PCAT=7&PAtt=2) | 3 |  |  |  |  |  | 3 |  |
| [數位邏輯](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=c32e8cacc39155f6817256923ebe28ec&PCAT=7&PAtt=2) | 3 |  |  | 3 |  |  |  |  |
| [可程式設計](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=6e9cdaf4d14cf63696c96b90a3ca6c6b&PCAT=7&PAtt=2) | 3 |  |  |  | 3 |  |  | 同科跨班 AH3選1 |
| [電路設計](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=ab0e97c62a2b7e7f096c910db0f2bd2f&PCAT=7&PAtt=2) | 3 |  |  |  | 3 |  |  | 同科跨班 AH3選1 |
| [邏輯設計](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=bc6038e1a46ba4ffc4348735f1f27bc4&PCAT=7&PAtt=2) | 3 |  |  |  | 3 |  |  | 同科跨班 AH3選1 |
| [工業電子學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=196074fd04038933ba431849a628e0e9&PCAT=7&PAtt=2) | 3 |  |  |  |  | 3 |  | 同科跨班 AP3選1 |
| [程式設計](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=e0db75cae82644e958d545c2f066c8b1&PCAT=7&PAtt=2) | 3 |  |  |  |  | 3 |  | 同科跨班 AP3選1 |
| [輸配電](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=83db2fb49bf00ad1dc10724d4a795823&PCAT=7&PAtt=2) | 3 |  |  |  |  | 3 |  | 同科跨班 AP3選1 |
| [自動控制](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=4d7ccd77b0bcf6321f572150f6447764&PCAT=7&PAtt=2) | 3 |  |  |  |  |  | 3 | 同科跨班 AQ3選1 |
| [配線設計](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=3ee5cd18e6c0f826a926d26e61183d4c&PCAT=7&PAtt=2) | 3 |  |  |  |  |  | 3 | 同科跨班 AQ3選1 |
| [微處理機](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=c41c4bdf6b6f3ae2669691c63fe2bda9&PCAT=7&PAtt=2) | 3 |  |  |  |  |  | 3 | 同科跨班 AQ3選1 |
| 最低應選修學分數小計 | 18 |  |  |  |  |  |  |  |
| 實習科目 |  | [工業配線實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=085907616328fa369227fa0daaef7593&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 實習分組 |
| [物聯網實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=f7a70b79cfe45addcbc14bc8fd9d4065&PCAT=7&PAtt=3) | 2 |  |  |  |  |  | 2 | 實習分組 |
| [室內配線進階實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=692a8da157bc97e7d9b5fda3cc1b0555&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 實習分組 |
| [電機基礎應用](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=2b979f1f4b710e126dcb07eb49f02488&PCAT=7&PAtt=3) | 2 | 2 |  |  |  |  |  | 實習分組 |
| [電機控制應用實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=23&PDeptID=308&PClassiD=0&PcourseNO=b28963f5660054efa4e3a36aa49b88e4&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 實習分組 |
| 最低應選修學分數小計 | 13 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 33 | 2 |  | 4 | 4 | 6 | 17 | 多元選修開設9學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

化工群化工科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 8 | 4 | 4 |  |  |  |  | C版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 | 1 | 1 |  |  |  |  |  |
| 自然科學領域 | 物理 | 4 | 2 | 2 |  |  |  |  | B版 |
| 化學 | 2 |  |  | 2 |  |  |  | B版 |
| 藝術領域 | 音樂 | 2 |  | 1 | 1 |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 | 2 |  |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 74 | 20 | 19 | 12 | 9 | 7 | 7 | 部定必修一般科目總計74學分 |
| 專業科目 | 普通化學 | | 8 | 4 | 4 |  |  |  |  |  |
| 分析化學 | | 6 |  |  | 3 | 3 |  |  |  |
| 基礎化工 | | 6 |  |  | 3 | 3 |  |  |  |
| 化工裝置 | | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | | 28 | 4 | 4 | 10 | 10 | 0 | 0 | 部定必修專業科目總計28學分 |
| 實習科目 | 普通化學實習 | | 8 | 4 | 4 |  |  |  |  |  |
| 分析化學實習 | | 6 |  |  | 3 | 3 |  |  |  |
| 化工及檢驗技能領域 | 化工裝置實習 | 6 |  |  |  | 3 | 3 |  |  |
| 化工儀器實習 | 6 |  |  |  |  | 3 | 3 |  |
| 小計 | | 26 | 4 | 4 | 3 | 6 | 6 | 3 | 部定必修實習科目總計26學分 |
| 專業及實習科目合計 | | | 54 | 8 | 8 | 13 | 16 | 6 | 3 |  |
| 部定必修合計 | | | 128 | 28 | 27 | 25 | 25 | 13 | 10 | 部定必修總計128學分 |

化工群化工科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 24學分  12.77% | [專業英文](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=9c5f7598617ce9fa63636c09af980514&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=2&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| [實用語文與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=e79e0b87c3d5f0f99e5a62d579b3bed1&PCAT=2&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| 數學 | 8 |  |  | 4 | 4 |  |  |  |
| 小計 | 24 | 2 | 2 | 6 | 6 | 4 | 4 | 校訂必修一般科目總計24學分 |
| 專業科目 | 2學分  1.06% | [化學工業概論](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=2660c18e40a45527899b206fb569b9f6&PCAT=2&PAtt=2) | 2 |  |  |  |  |  | 2 |  |
| 小計 | 2 |  |  |  |  |  | 2 | 校訂必修專業科目總計2學分 |
| 實習科目 | 2學分  1.06% | [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 2 |  |  |  |  |  | 2 | 實習分組 |
| 小計 | 2 |  |  |  |  |  | 2 | 校訂必修實習科目總計2學分 |
| 校訂必修學分數合計 | | | 28 | 2 | 2 | 6 | 6 | 4 | 8 | 校訂必修總計28學分 |
| 校訂選修 | ~般科目 |  | [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| 最低應選修學分數小計 | 2 |  |  |  |  |  |  |  |
| 實習科目 |  | [化學品製造實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=7203f2892169fd3939e456cdeceb08e1&PCAT=7&PAtt=3) | 5 |  |  |  |  | 3 | 2 |  |
| [基礎化學實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=63b7bcd864aa10e16fc74a1c5bf581ae&PCAT=7&PAtt=3) | 5 | 2 | 3 |  |  |  |  | 實習分組 |
| [應用化學實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=bfeaf2be79cdcf975ac5372ad527b3f6&PCAT=7&PAtt=3) | 6 |  |  |  |  | 3 | 3 |  |
| [工業分析實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=2b4d01a7298a2c6991ee6fa05211f025&PCAT=7&PAtt=3) | 8 |  |  |  |  | 4 | 4 | 同科單班 AC2選1 |
| [高分子材料實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=76a4b0e8ffb31c3f91ae212ccf58f9b7&PCAT=7&PAtt=3) | 8 |  |  |  |  | 4 | 4 | 同科單班 AC2選1 |
| [工藝品製作實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=d16d403b3c5b235278698fb28d1f0459&PCAT=7&PAtt=3) | 6 |  |  |  |  | 3 | 3 | 同科單班 AJ2選1 |
| [環境檢驗實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=24&PDeptID=315&PClassiD=0&PcourseNO=e308bde2ae6ffb05fc758459968105b7&PCAT=7&PAtt=3) | 6 |  |  |  |  | 3 | 3 | 同科單班 AJ2選1 |
| 最低應選修學分數小計 | 30 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 32 | 2 | 3 | 1 | 1 | 13 | 12 | 多元選修開設14學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

農業群農場經營科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 6 | 3 | 3 |  |  |  |  | B版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 |  |  | 1 | 1 |  |  |  |
| 自然科學領域 | 化學 | 2 |  |  | 2 |  |  |  | B版 |
| 生物 | 4 | 2 | 2 |  |  |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 | 2 |  |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 72 | 19 | 17 | 12 | 10 | 7 | 7 | 部定必修一般科目總計72學分 |
| 專業科目 | 農業概論 | | 6 | 3 | 3 |  |  |  |  |  |
| 生物技術概論 | | 4 |  |  | 2 | 2 |  |  |  |
| 農業安全衛生 | | 2 |  | 2 |  |  |  |  |  |
| 生命科學概論 | | 4 |  |  |  |  | 2 | 2 |  |
| 小計 | | 16 | 3 | 5 | 2 | 2 | 2 | 2 | 部定必修專業科目總計16學分 |
| 實習科目 | 農業資訊管理實習 | | 4 |  |  |  |  | 2 | 2 |  |
| 農園場管理實習 | | 6 |  |  | 3 | 3 |  |  |  |
| 農業生產與休閒生態技能領域 | 植物栽培實習 | 6 | 3 | 3 |  |  |  |  |  |
| 農業資源應用實習 | 6 |  |  | 3 | 3 |  |  |  |
| 植物識別實習 | 6 |  |  | 3 | 3 |  |  |  |
| 植物保護實習 | 4 | 2 | 2 |  |  |  |  |  |
| 小計 | | 32 | 5 | 5 | 9 | 9 | 2 | 2 | 部定必修實習科目總計32學分 |
| 專業及實習科目合計 | | | 48 | 8 | 10 | 11 | 11 | 4 | 4 |  |
| 部定必修合計 | | | 120 | 27 | 27 | 23 | 21 | 11 | 11 | 部定必修總計120學分 |

農業群農場經營科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 12學分  6.38% | [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=2&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| 數學 | 6 |  |  | 3 | 3 |  |  |  |
| [應用化學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=47af0cb4d01cf1a34b7c14a8225e6b3b&PCAT=2&PAtt=1) | 2 |  |  |  | 2 |  |  |  |
| 小計 | 12 |  |  | 3 | 5 | 2 | 2 | 校訂必修一般科目總計12學分 |
| 專業科目 | 20學分  10.64% | [生物進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=ffb225da59258c2fb75a42eef52f4628&PCAT=2&PAtt=2) | 4 |  |  |  |  | 2 | 2 |  |
| [作物生產](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=01a1e5da9f91b830e30710581b298105&PCAT=2&PAtt=2) | 6 | 3 | 3 |  |  |  |  |  |
| [茶作學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=fea2fcc608f9958c53b1b627e96636e7&PCAT=2&PAtt=2) | 2 |  |  | 1 | 1 |  |  | 增進茶作學學科專業知識，加深及加廣飲料作物精熟學習，以符合本科特色教學。 |
| [園藝學概論](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=086c486c06458a0acc5c53cf0732edd0&PCAT=2&PAtt=2) | 2 |  |  | 1 | 1 |  |  | 增進園藝學學科專業知識，加深及加廣園藝作物精熟學習，以符合本科特色教學。 |
| [農業專論](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=148bc8209afca7c276a08e7fbfe3e24a&PCAT=2&PAtt=2) | 4 |  |  |  |  | 2 | 2 |  |
| [農藝學概論](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=1104c5c3cefc51fb86645cf24017f1a3&PCAT=2&PAtt=2) | 2 | 1 | 1 |  |  |  |  | 增進農藝學學科專業知識，加深及加廣農藝作物精熟學習，以符合本科特色教學。 |
| 小計 | 20 | 4 | 4 | 2 | 2 | 4 | 4 | 校訂必修專業科目總計20學分 |
| 實習科目 | 8學分  4.26% | [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 4 |  |  |  |  | 2 | 2 | 實習分組 |
| [植物組織培養實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=1987d5b3e01dd7c731719d491c495887&PCAT=2&PAtt=3) | 4 |  |  |  |  | 2 | 2 |  |
| 小計 | 8 |  |  |  |  | 4 | 4 | 校訂必修實習科目總計8學分 |
| 校訂必修學分數合計 | | | 40 | 4 | 4 | 5 | 7 | 10 | 10 | 校訂必修總計40學分 |
| 校訂選修 | ~般科目 |  | [英文閱讀與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=a55cd561f759f6fd7caa11ed6910c6b0&PCAT=7&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| 最低應選修學分數小計 | 8 |  |  |  |  |  |  |  |
| 實習科目 |  | [造園基本設計實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=e5cdcdb8f0ef726db5d6ac025036df9f&PCAT=7&PAtt=3) | 4 |  |  |  |  | 2 | 2 |  |
| [農場管理實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=d5f4bb2f6b842461e1fea8017dec8005&PCAT=7&PAtt=3) | 4 |  |  |  |  | 2 | 2 |  |
| [米食及農產加工實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=017467c9a02a961cb5ca5799567f5be4&PCAT=7&PAtt=3) | 8 |  |  |  |  | 4 | 4 | 同科單班 AF2選1  二選一 |
| [穀類加工實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=695ac0d7bb5139cbf2119bf067f9cfc4&PCAT=7&PAtt=3) | 8 |  |  |  |  | 4 | 4 | 同科單班 AF2選1  二選一 |
| [茶藝技術實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=aa37e3c241e7c9316e97f53543a4efca&PCAT=7&PAtt=3) | 4 |  |  | 2 | 2 |  |  | 同科單班 AG2選1  二選一 |
| [製茶技術實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=201&PClassiD=0&PcourseNO=f594117a8cc08920c1af0be8a6c3a31c&PCAT=7&PAtt=3) | 4 |  |  | 2 | 2 |  |  | 同科單班 AG2選1  二選一 |
| 最低應選修學分數小計 | 20 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 28 | 1 | 1 | 4 | 4 | 9 | 9 | 多元選修開設12學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

農業群畜產保健科 教學科目與學分(節)數表

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | 領域 / 科目及學分數 | | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 名稱 | | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 部定必修 | ~般科目 | 語文領域 | 國語文 | 16 | 3 | 3 | 3 | 3 | 2 | 2 |  |
| 英語文 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 閩南語文 | 2 | 1 | 1 |  |  |  |  |  |
| 客語文 | 0 | (1) | (1) |  |  |  |  |  |
| 閩東語文 | 0 | (1) | (1) |  |  |  |  |  |
| 臺灣手語 | 0 | (1) | (1) |  |  |  |  |  |
| 原住民族語文 | 0 | (1) | (1) |  |  |  |  |  |
| 數學領域 | 數學 | 6 | 3 | 3 |  |  |  |  | B版 |
| 社會領域 | 歷史 | 2 | 2 |  |  |  |  |  |  |
| 地理 | 2 |  | 2 |  |  |  |  |  |
| 公民與社會 | 2 | 1 | 1 |  |  |  |  |  |
| 自然科學領域 | 化學 | 2 |  |  |  |  | 2 |  | B版 |
| 生物 | 4 | 2 | 2 |  |  |  |  | B版 |
| 藝術領域 | 音樂 | 2 | 1 | 1 |  |  |  |  |  |
| 美術 | 2 |  |  | 1 | 1 |  |  |  |
| 綜合活動領域 | 生涯規劃 | 2 |  |  |  |  | 1 | 1 |  |
| 科技領域 | 資訊科技 | 2 |  | 2 |  |  |  |  |  |
| 健康與體育領域 | 健康與護理 | 2 | 1 | 1 |  |  |  |  |  |
| 體育 | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| 全民國防教育 | | 2 |  |  | 1 | 1 |  |  |  |
| 小計 | | 72 | 18 | 20 | 9 | 9 | 9 | 7 | 部定必修一般科目總計72學分 |
| 專業科目 | 農業概論 | | 6 | 3 | 3 |  |  |  |  |  |
| 生物技術概論 | | 4 |  |  | 2 | 2 |  |  |  |
| 農業安全衛生 | | 2 | 2 |  |  |  |  |  |  |
| 生命科學概論 | | 4 |  |  |  |  | 2 | 2 |  |
| 小計 | | 16 | 5 | 3 | 2 | 2 | 2 | 2 | 部定必修專業科目總計16學分 |
| 實習科目 | 農業資訊管理實習 | | 4 |  |  |  |  | 2 | 2 |  |
| 牧場管理實習 | | 6 |  |  | 3 | 3 |  |  |  |
| 動物飼養及保健技能領域 | 解剖生理實習 | 4 | 2 | 2 |  |  |  |  |  |
| 動物飼養實習 | 8 | 2 | 2 |  |  | 2 | 2 |  |
| 動物保健實習 | 6 |  |  | 3 | 3 |  |  | 實習分組 |
| 動物營養實習 | 4 |  |  | 2 | 2 |  |  |  |
| 小計 | | 32 | 4 | 4 | 8 | 8 | 4 | 4 | 部定必修實習科目總計32學分 |
| 專業及實習科目合計 | | | 48 | 9 | 7 | 10 | 10 | 6 | 6 |  |
| 部定必修合計 | | | 120 | 27 | 27 | 19 | 19 | 15 | 13 | 部定必修總計120學分 |

農業群畜產保健科 教學科目與學分(節)數表(續)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 課程類別 | | | | 領域 / 科目及學分數 | | 授課年段與學分配置 | | | | | | 備 註 |
| 第一學年 | | 第二學年 | | 第三學年 | |
| 名稱 | | 學分 | | 名稱 | 學分 | ~ | 二 | ~ | 二 | ~ | 二 |
| 校訂科目 | 校訂必修 | ~般科目 | 6學分  3.19% | 數學 | 6 |  |  | 3 | 3 |  |  |  |
| 小計 | 6 |  |  | 3 | 3 |  |  | 校訂必修一般科目總計6學分 |
| 專業科目 | 22學分 11.7% | [家畜解剖生理學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=0d538481ce4c625ddc357e937f34e514&PCAT=2&PAtt=2) | 4 | 2 | 2 |  |  |  |  |  |
| [畜牧學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=2716d7253b2baadcdd072a66dfc9944f&PCAT=2&PAtt=2) | 12 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| [禽畜保健衛生](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=24b5bfcacd37cd341358be9f36636ef2&PCAT=2&PAtt=2) | 6 |  |  | 3 | 3 |  |  |  |
| 小計 | 22 | 4 | 4 | 5 | 5 | 2 | 2 | 校訂必修專業科目總計22學分 |
| 實習科目 | 12學分 6.38% | [畜產加工實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=3bc84eaa92d7934522f5871b4c62d976&PCAT=2&PAtt=3) | 6 |  |  | 3 | 3 |  |  | 實習分組 |
| [專題實作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=99ddb0ae4e0717f81e963473b1465f10&PCAT=2&PAtt=3) | 6 |  |  |  |  | 3 | 3 | 實習分組 |
| 小計 | 12 |  |  | 3 | 3 | 3 | 3 | 校訂必修實習科目總計12學分 |
| 校訂必修學分數合計 | | | 40 | 4 | 4 | 11 | 11 | 5 | 5 | 校訂必修總計40學分 |
| 校訂選修 | ~般科目 |  | [英文閱讀與寫作](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=a55cd561f759f6fd7caa11ed6910c6b0&PCAT=7&PAtt=1) | 6 | 1 | 1 | 1 | 1 | 1 | 1 |  |
| [健康自我管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=f6f6755fd3c3a266238979d7529d8a42&PCAT=7&PAtt=1) | 1 |  |  |  | 1 |  |  |  |
| [健康情感管理](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=64a99a407bb7f7feb3e00956010e8132&PCAT=7&PAtt=1) | 1 |  |  | 1 |  |  |  |  |
| [進階數學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=2abf9d1dcee2b32e00a065706dc02f1c&PCAT=7&PAtt=1) | 4 |  |  |  |  | 2 | 2 |  |
| [應用化學](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=47af0cb4d01cf1a34b7c14a8225e6b3b&PCAT=7&PAtt=1) | 2 |  |  |  |  |  | 2 |  |
| 最低應選修學分數小計 | 14 |  |  |  |  |  |  |  |
| 專業科目 |  | [生物進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=ffb225da59258c2fb75a42eef52f4628&PCAT=7&PAtt=2) | 2 |  |  |  |  | 1 | 1 |  |
| [禽畜保健衛生進階](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=630498a1d50bb5e36d072e468ac135d7&PCAT=7&PAtt=2) | 6 |  |  |  |  | 3 | 3 |  |
| 最低應選修學分數小計 | 8 |  |  |  |  |  |  |  |
| 實習科目 |  | [畜產品應用實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=b81a9f6e8e80944cad70d21d28106eb7&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 同科單班 AB2選1 |
| [寵物飼養實務](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=21a6f47211427cfecfb53dff9fadafea&PCAT=7&PAtt=3) | 3 |  |  |  |  | 3 |  | 同科單班 AB2選1 |
| [農畜產品加工實習](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=0239dc8d406a53c8790dd2f23b4da569&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AK2選1 |
| [寵物經營實務](https://course.k12ea.gov.tw/CourseV/View_Item.asp?FromPG=F11&PRoleNo=A01&PSetYear=114&EduNo=090404&setYear=114&PGroupID=29&PDeptID=217&PClassiD=0&PcourseNO=40785c2bc0cc647e334d47e4370c0b29&PCAT=7&PAtt=3) | 3 |  |  |  |  |  | 3 | 同科單班 AK2選1 |
| 最低應選修學分數小計 | 6 |  |  |  |  |  |  |  |
| 校訂選修學分數合計 | | | 28 | 1 | 1 | 2 | 2 | 10 | 12 | 多元選修開設6學分 |
| 必選修學分數總計 | | | | | 188 | 32 | 32 | 32 | 32 | 30 | 30 |  |
| 每週團體活動時間(節數) | | | | | 18 | 3 | 3 | 3 | 3 | 3 | 3 |  |
| 每週彈性學習時間(節數) | | | | | 4 |  |  |  |  | 2 | 2 |  |
| 每週總上課時間(節數) | | | | | 210 | 35 | 35 | 35 | 35 | 35 | 35 |  |

二、課程架構表

機械群機械科 課程架構表(以科為單位，1 科 1 表)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 74 | 39 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 24 | 13 % |  |
| 選修 | | 2 | 1 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 100 | 53 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 16 | 9 % |  |
| 實習科目 | | 學分(依總綱規定) | 30 | 16 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 46 | 25 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 0 | 0 % |  |
| 選修 | 6 | 3 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 14 | 7 % |  |
| 選修 | 22 | 12 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 88 | 47 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 66 | 31 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 158 | 84 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| --- |
| 動力機械群農業機械科 課程架構表(以科為單位，1 科 1 表) |
|  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 72 | 38 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 8 | 4 % |  |
| 選修 | | 12 | 6 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 92 | 48 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 12 | 6 % |  |
| 實習科目 | | 學分(依總綱規定) | 40 | 21 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 52 | 27 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 2 | 1 % |  |
| 選修 | 0 | 0 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 25 | 13 % |  |
| 選修 | 17 | 9 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 96 | 51 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 82 | 39 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 159 | 85 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| 表 6-2-3　電機與電子群資訊科 課程架構表(以科為單位，1 科 1 表) |
| **114**學年度入學新生適用 |

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| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 74 | 39 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 30 | 16 % |  |
| 選修 | | 2 | 1 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 106 | 56 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 18 | 10 % |  |
| 實習科目 | | 學分(依總綱規定) | 27 | 14 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 45 | 24 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 2 | 1 % |  |
| 選修 | 0 | 0 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 6 | 3 % |  |
| 選修 | 29 | 15 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 82 | 44 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 62 | 30 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 157 | 84 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| 電機與電子群電機科 課程架構表(以科為單位，1 科 1 表) |
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| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 74 | 39 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 24 | 13 % |  |
| 選修 | | 2 | 1 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 100 | 53 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 18 | 10 % |  |
| 實習科目 | | 學分(依總綱規定) | 27 | 14 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 45 | 24 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 0 | 0 % |  |
| 選修 | 18 | 10 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 12 | 6 % |  |
| 選修 | 13 | 7 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 88 | 47 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 52 | 25 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 155 | 82 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| 化工群化工科 課程架構表(以科為單位，1 科 1 表) |
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| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 74 | 39 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 24 | 13 % |  |
| 選修 | | 2 | 1 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 100 | 53 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 28 | 15 % |  |
| 實習科目 | | 學分(依總綱規定) | 26 | 14 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 54 | 29 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 2 | 1 % |  |
| 選修 | 0 | 0 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 2 | 1 % |  |
| 選修 | 30 | 16 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 88 | 47 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 58 | 28 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 156 | 83 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| 農業群農場經營科 課程架構表(以科為單位，1 科 1 表) |
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| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 72 | 38 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 12 | 6 % |  |
| 選修 | | 8 | 4 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 92 | 48 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 16 | 9 % |  |
| 實習科目 | | 學分(依總綱規定) | 32 | 17 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 48 | 26 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 20 | 11 % |  |
| 選修 | 0 | 0 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 8 | 4 % |  |
| 選修 | 20 | 11 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 96 | 51 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 60 | 29 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 160 | 85 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

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| 農業群畜產保健科 課程架構表(以科為單位，1 科 1 表) |
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| 項目 | | | | 相關規定 | 學校規劃情形 | | 說明 |
| 學分數 | 百分比(%) |
| 一般科目 | 部定 | | | 68-78 學分 | 72 | 38 % |  |
| 校訂 | 必修 | | 各校課程發展組織自訂 | 6 | 3 % |  |
| 選修 | | 14 | 7 % | 不含跨屬性 |
| **合 　　　　計 (A)** | | | | 92 | 48 % |  |
| 專業及實習科目 | 部定 | 專業科目 | | 學分(依總綱規定) | 16 | 9 % |  |
| 實習科目 | | 學分(依總綱規定) | 32 | 17 % |  |
| **專業及實習科目合計** | | 60 學分為限 | 48 | 26 % |  |
| 校訂 | 專業科目 | 必修 | 各校課程發展組織自訂 | 22 | 12 % |  |
| 選修 | 8 | 4 % | 不含跨屬性 |
| 實習科目 | 必修 | 各校課程發展組織自訂 | 12 | 6 % |  |
| 選修 | 6 | 3 % | 不含跨屬性 |
| 校訂多元選修跨專業及實習科目/屬性學分數合計 | | | 各校課程發展組織自訂 | 0 | 0% | 系統統計 |
| **合 　　　　計(B)** | | | **至少 80 學分** | 96 | 51 % |  |
| 實習科目學分數 | | | 至少 45 學分 | 50 | 24 % | 不含跨屬性 |
| 部定及校訂必修學分數合計 | | | | 至多160學分 | 160 | 85 % |  |
| 校訂多元選修跨一般、專業及實習科目屬性學分數合計(C) | | | | 各校課程發展組織自訂 | 0 | 0 % |  |
| 應修習總學分數 | | | | 180 - 192 學分 | 188 學分 | | (A)+(B)+(C) |
| 六學期團體活動時間(節數)合計 | | | | 12 - 18 節 | 18 節 | |  |
| 六學期彈性教學時間(節數)合計 | | | | 4 - 12 節 | 4 節 | |  |
| 上課總節數 | | | | 210 節 | 210 節 | |  |
|  | | | | | | | |
| 畢業條件 | 1、應修習總學分為 180-192 學分，畢業及格學分數至少為 160 學分。  2、表列部定必修科目 113-138 學分均須修習，並至少 85% 及格，始得畢業。  3、專業科目及實習科目至少須修習 80 學分以上，其中至少 60 學分及格，       含實習(實驗、實務)科目至少 45 學分以上及格。 | | | | | | |
| 備註：             1、百分比計算以「 應修習總學分 」為分母。             2、上課總節數 = 應修習總學分 + 六學期團體活動時間合計 + 六學期彈性教學時間合計。             3、部定及校訂必修學分數合計依課程規劃及實施要點規定不得超過 160 學分。 | | | | | | | |

## **伍、彈性學習**

一、彈性學習時間實施要點暨學生自主學習實施要點

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| |  | | --- | | 國立北港高級農工職業學校彈性學習時間實施要點  中華民國109年11月10日課程發展委員會通過  中華民國111年5月3日行政會議通過  中華民國111年5月17日課程發展委員會通過  中華民國114年2月18日臨時課程發展委員會通過  一、依據：  （一）教育部110年03月15日臺教授國部字第1100016363B號令發布之「十二年國民基本教育課程綱要總綱」。  （二）中華民國112年06月08日教育部臺教授國部字第1120064831A號之「高級中等學校課程規劃及實施要點」。  二、目的：為落實總綱「自發」、「互動」、「共好」之核心理念，實踐總綱藉由多元學習活動、補  強性教學、充實增廣教學、自主學習等方式，拓展學生學習面向，減少學習落差促進適性發展，  育成全人核心素養，落實十二國民基本教育之目標，特訂定本校彈性學習時間要點。  三、規劃原則：  （一）核心素養提升: 符應自主學習、激勵多元適性、融入重大議題。  （二）專門藝能精進：提升學習能力、精進專門技能、涵養社會關懷。  （三）進路銜接增能：引導最佳進路、促進跨域整合、體認智慧生活。  四、實施安排：  (一）彈性學習時間依各專業類科課程架構發展調整每週0~2節。唯充實(增廣)或補強性課程，採全學期授課者，一、二年級每週至多一節，並不得開設輔導升學或技能檢定等課程。  （二）各領域/群科教學研究會，得依各科之特色課程發展規劃，於教務處訂定之時間內提出選手培訓、充實（增廣）或補強性教學之開設申請；各處室得依上述原則提出學校特色活動之開設申請。  （三）彈性學習時間之實施地點以本校校內為原則；如有特殊原因需於校外實施者，應經校內程序核准後始得實施。  （四）採全學期授課規劃者，應於授課之前一學年完成課程規劃，並由學生自由選讀，該選讀機制比照本校校訂選修科目之選修機制；另授予學分之充實（增廣）、補強性教學課程，其課程開設應完成課程計畫書所定課程教學計畫，並經課程發展委員會討論通過列入課程計畫書，或經課程計畫書變更申請通過後，始得實施。  (五) 開設微課程之授課教師，應填寫教學計畫書繳交至教務處備查。  五、實施內容：   1. 學生自主學習：學生得於彈性學習時間，依本要點提出自主學習之申請。 2. 選手培訓：代表學校參加縣市級以上競賽之選手，規劃與競賽相關之培訓內容，實施培訓指導。 3. 充實（增廣）教學：規劃與各領域課程綱要或各群科專業能力相關之課程，其課程內涵可包括單一領域探究型或實作型之充實教學，或跨領域統整型之增廣教學。 4. 補強性教學：依學生學習落差情形，擇其須補強科目或單元，規劃教學活動或課程。 5. 學校特色活動：由學校辦理例行性、獨創性活動或服務學習，規畫教學活動或課程。   七、本要點之實施檢討，應就實施內涵、場地規劃、設施與設備以及學生參與情形，定期於每學年之課  程發展委員會內為之。  八、本要點經校務會議通過後，陳報校長核定後實施，修正時亦同。 | |

國立北港高級農工職業學校學生自主學習實施要點

中華民國109年11月12日課程發展委員會通過

中華民國111年5月3日行政會議通過

中華民國111年5月17日課程發展委員會通過

中華民國112年11月7日課程發展委員會通過

中華民國114年2月18日臨時課程發展委員會通過

一、依據：中華民國112年06月08日教育部臺教授國部字第1120064831A號之「高級中等學校課程規劃及實施要點」。

二、目的：透過學生自行規劃與實踐終身學習之過程，激發學生自主、多元之學習精神，已培養學生積極主動之學習態度。

三、對象：108學年度實施新課綱後之入學生，且由科展、專題製作及選手訓練優先，其他學習項目依計畫完整度於審查會議中進行遴選。

四、申請：

（一）二年級下學期得提出申請，於第二次段考後召開審查會議，並於期末公告通過名單，於次一學期（高三上）彈性課程進行，高三下計畫於高三上學期(12月)提出申請，並於12月底前完成審查及公告通過名單，每組成員可由個人或小組提出申請(每組最多3人)。

（二）學生自主學習之實施時段，應於本校彈性學習時間所定每週實施節次內為之。

（三）申請學生或小組應請導師或授課教師為指導老師，並由其審查學習計畫書及指導期末成果發表。

（四）學生申請自主學習者，應系統規劃學習主題、內容、進度、目標及方式，並經指導教師指導及

其父母或監護人同意，送交指導教師簽署後，依教務處規定之時程及程序，完成自主學習申

請。

五、執行：

（一）自主學習執行時程之第16週為期末成果發表週。

（二）實施自主學習所需之場所及資源須明訂於計畫書內之每週學習活動表中，且場地以校內場地為限，非指導老師晤談指導時間，採集中管理方式於指定場地進行自主學習。

（三）期末成果報告書須含完整學習內容、成果發表及6張以上照片，並製作海報檔及簡報檔各一份。

（四）每位指導教師之指導學生以不超過4組為原則。指導教師應於學生自主學習期間，定期與指導學生進行個別或團體之晤談與指導，以瞭解學生自主學習進度、提供學生自主學習建議，並依**附件二**完成**自主學習晤談及指導紀錄表**。

六、發表:

（一）期末成果發表會至少邀請10位同學及2位師長出席。

（二）發表會時間以彈性課程時間1-2節為原則。

（三）期末成果發表會必須使用簡報檔報告並接受與會師長提問。

七、本要點經課程發展委員會通過後，陳報校長核定後實施。

國立北港高級農工職業學校

附件一

\_\_\_\_學年度第\_\_\_\_學期 彈性學習時間自主學習申請表暨計畫書

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| 申請學生資料 | | 班級 | |  | |  | | |  | |
| 學號 | |  | |  | | |  | |
| 姓名 | |  | |  | | |  | |
| 自主學習主題 | | 名稱： | | | | | | | | |
| □自我閱讀 □科學實做 □專題探究 □藝文創作 □技能實務 □其他 | | | | | | | | |
| 實施地點 | | □ 1.圖書館 □ 2.教室： □ 3.工場： □ 4.其他： | | | | | | | | |
| 所需協助 | |  | | | | | | | | |
| 學習目標 | |  | | | | | | | | |
| 自主學習規劃內容 | | 週次 | 實施內容與進度 | | | | | | | 備註 |
| 1 | 與指導教師討論自主學習規劃，完成本學期自主學習實施內容與進度。 | | | | | | |  |
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| 14 |  | | | | | | |  |
| 15 | 撰寫自主學習成果紀錄表及成果海報製作 | | | | | | |  |
| 16 | 自主學習成果發表 | | | | | | |  |
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| 家長或監護人簽名 | | | | |  | | 指導教師簽名 | 需與指導老師討論 | | |
| 編號 | 受理日期 | | | | 教學組長核章 | | 教務主任核章 | 審核結果 | | |
|  |  | | | |  | |  | □通過 □不通過 | | |

國立北港高級農工職業學校

附件二

\_\_\_\_\_\_學年度第\_\_\_\_\_學期 彈性學習時間自主學習晤談及指導紀錄表

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| 申請學生資料 | | 班級 | | 學號 | | 姓名 | |
|  | |  | | 每組至多5人，請親自簽名 | |
| 自主學習主題 | | 名稱： | | | | | |
| 自主學習實施地點 | | □ 1.圖書館 □ 2.教室： □ 3.工場： □ 4.其他： | | | | | |
| 自主學習所需協助 | |  | | | | | |
| 週次 | 日期/節次  /地點 | | 諮詢及指導內容摘要紀錄 | | | | 指導教師簽名 |
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| 教學組長核章 | | | | | 教務主任核章 | | | |
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國立北港高級農工職業學校

附件三

\_\_\_\_\_\_學年度第\_\_\_\_\_學期 彈性學習時間自主學習成果紀錄表

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| 申請學生資料 | | 班級 | | 學號 | | 姓名 | | | |
|  | |  | | 每組至多5人，請親自簽名 | | | |
| 自主學習主題 | | 名稱： | | | | | | | |
| 自主學習實施地點 | | □ 1.圖書館 □ 2.教室： □ 3.工場： □ 4.其他： | | | | | | | |
| 自主學習所需協助 | |  | | | | | | | |
| 自主學習學習目標 | |  | | | | | | | |
| 週次 | 日期/節次  /地點 | | 實施內容與進度 | | | | | 自我  檢核 | 指導教師確認 |
| 1 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 2 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 3 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 4 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 5 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 6 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 7 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 8 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 9 |  | |  | | | | | □優良  □尚可  □待努力 |  |
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| 11 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 12 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 13 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 14 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 15 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 16 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 17 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 18 |  | |  | | | | | □優良  □尚可  □待努力 |  |
| 自主學習成果說明 | |  | | | | | | | |
| 自主學習學習目標達成情形 | |  | | | | | | | |
| 自主學習歷程省思 | |  | | | | | | | |
| 指導教師指導建議 | |  | | | | | | | |
| 指導教師簽章 | | | | | 教學組長核章 | | 教務主任核章 | | | |
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| 二、彈性學習時間規劃表   |  | | --- | |  |  |  | | --- | | 說明：   1. 技術型高級中等學校每週 0-2 節，六學期每週單位合計需4-12節。 2. 若開設類型授予學分數者，請於備註欄位加註說明。 3. 開設類型為「充實(增廣)性教學」或「補強性教學」，且為全學期授課時，須檢附教學大綱，敘明授課內容等。若同時採計學分時其課程名稱應為：OOOO(彈性) 4. **開設類型為「自主學習」，由第陸章中各科所設定之彈性學習時間之各學期節數時新增，無法由此處修正。** 5. 實施對象請填入群科別等。 6. 本表以校為單位，1校1表。 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **科別** | **授課節數** | | | | | | **備 註** | | **第一學年** | | **第二學年** | | **第三學年** | | | **每週彈性學習時間(節數)** | **一** | **二** | **一** | **二** | **一** | **二** | | 化工科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 資訊科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 電機科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 機械科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 畜產保健科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 農場經營科 | 0 | 0 | 0 | 0 | 2 | 2 |  | | 農業機械科 | 0 | 0 | 0 | 0 | 2 | 2 |  | |  |  | | --- | |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **開設年段** | | **開設名稱** | **每週 節數** | **開設 週數** | **實施對象** | **開設類型** | | | | | **師資規劃** | **備註** | | **自主學習** | **選手培訓** | **充實(增廣)性教學** | **補強性教學** | **學校特色活動** | | 第三學年 | 第一學期 | 自主學習 | 2 | 18 | 全校各科 | V |  |  |  |  | 內聘 |  | | 電路板拆焊與焊接 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 樂器學物理 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 介面電路設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 從影片學人生 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 用腳愛北港 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 汽車鑑賞 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 蛋蛋危機 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 雷射雕刻設計體驗 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 實用電機設備原理與解析 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 專業英文聽讀電機類 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 飲茶文化 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 英語歌曲欣賞 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 纖活食代 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 保險與數學 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 基本電學入門 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 化學及化工產業 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | C程式語言設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | Python程式語言設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 與「瘦」的距離 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 機器腳踏車認識 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 鈣的定性及定量分析 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 真愛密碼報你知 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 硬筆字練習 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 水產養殖產業與永續發展 | 2 | 9 | 全校各科 |  |  | V |  |  | 外聘 |  | | 手機攝影技巧 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 第二學期 | 自主學習 | 2 | 18 | 全校各科 | V |  |  |  |  | 內聘 |  | | 玩桌遊樂無窮 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 看影片認識水電與電子科技 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 電路板拆焊與焊接 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 英語電影欣賞 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 樂器學物理 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 與食共饗 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 英文大小事 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 與「ㄜ`」的距離 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 介面電路設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 經濟動物知多少 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 樂活農民曆 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 探究美國職棒大聯盟 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 汽車鑑賞 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 化工與物理 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 流行音樂欣賞與教唱 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 化學及化工 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 物聯網應用 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | C程式語言設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | Python程式語言設計 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 生活中的數學 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 機器腳踏車認識 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 來去世界看一看 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 戰爭啟示錄 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | | 硬筆字練習 | 2 | 9 | 全校各科 |  |  | V |  |  | 內聘 |  | |

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| **陸、學生選課規劃與輔導** |
| 一、校訂選修課程規劃 (含跨科、群、校選修課程規劃) |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 原班級選修方式課程規劃表   |  |  | | --- | --- | | |  | | --- | |  | | | | 序號 | 科目屬性 | 科目名稱 | 適用群科別 | 授課年段與學分配置 | | | | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 第一學年 | | 第二學年 | | 第三學年 | | | 一 | 二 | 一 | 二 | 一 | 二 | | 1. | 一般 | 進階數學 | 農業機械科 | 0 | 0 | 0 | 0 | 2 | 2 | | 畜產保健科 | 0 | 0 | 0 | 0 | 2 | 2 | | 2. | 一般 | 應用化學 | 畜產保健科 | 0 | 0 | 0 | 0 | 0 | 2 | | 3. | 一般 | 健康情感管理 | 機械科 | 0 | 0 | 1 | 0 | 0 | 0 | | 農業機械科 | 0 | 0 | 1 | 0 | 0 | 0 | | 資訊科 | 0 | 0 | 1 | 0 | 0 | 0 | | 電機科 | 0 | 0 | 1 | 0 | 0 | 0 | | 化工科 | 0 | 0 | 1 | 0 | 0 | 0 | | 農場經營科 | 0 | 0 | 1 | 0 | 0 | 0 | | 畜產保健科 | 0 | 0 | 1 | 0 | 0 | 0 | | 4. | 一般 | 專業英文 | 農業機械科 | 1 | 1 | 1 | 1 | 1 | 1 | | 農場經營科 | 1 | 1 | 1 | 1 | 1 | 1 | | 畜產保健科 | 1 | 1 | 1 | 1 | 1 | 1 | | 5. | 一般 | 健康自我管理 | 機械科 | 0 | 0 | 0 | 1 | 0 | 0 | | 農業機械科 | 0 | 0 | 0 | 1 | 0 | 0 | | 資訊科 | 0 | 0 | 0 | 1 | 0 | 0 | | 電機科 | 0 | 0 | 0 | 1 | 0 | 0 | | 化工科 | 0 | 0 | 0 | 1 | 0 | 0 | | 農場經營科 | 0 | 0 | 0 | 1 | 0 | 0 | | 畜產保健科 | 0 | 0 | 0 | 1 | 0 | 0 | | 6. | 專業 | 機械製造進階 | 機械科 | 0 | 0 | 0 | 0 | 2 | 0 | | 7. | 專業 | 禽畜保健衛生進階 | 畜產保健科 | 0 | 0 | 0 | 0 | 3 | 3 | | 8. | 專業 | 機構學 | 機械科 | 0 | 0 | 0 | 0 | 2 | 0 | | 9. | 專業 | 機械力學進階 | 機械科 | 0 | 0 | 0 | 0 | 0 | 2 | | 10. | 專業 | 數位邏輯 | 電機科 | 0 | 0 | 3 | 0 | 0 | 0 | | 11. | 專業 | 基本電學進階 | 電機科 | 0 | 0 | 0 | 0 | 3 | 0 | | 12. | 專業 | 電工機械進階 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | | 13. | 專業 | 生物進階 | 畜產保健科 | 0 | 0 | 0 | 0 | 1 | 1 | | 14. | 實習 | 車床實習 | 機械科 | 2 | 2 | 0 | 0 | 0 | 0 | | 15. | 實習 | 電學實習 | 資訊科 | 3 | 0 | 0 | 0 | 0 | 0 | | 16. | 實習 | 工業配線實習 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | | 17. | 實習 | 資訊通信實習 | 資訊科 | 0 | 0 | 0 | 0 | 0 | 2 | | 18. | 實習 | 機電整合實習 | 農業機械科 | 0 | 0 | 0 | 0 | 3 | 0 | | 19. | 實習 | 電機基礎應用 | 電機科 | 2 | 0 | 0 | 0 | 0 | 0 | | 20. | 實習 | 網頁設計實習 | 資訊科 | 0 | 0 | 3 | 0 | 0 | 0 | | 21. | 實習 | 邏輯運算實習 | 資訊科 | 0 | 0 | 0 | 0 | 0 | 2 | | 22. | 實習 | 文化創意設計實務 | 機械科 | 0 | 0 | 0 | 0 | 0 | 3 | | 23. | 實習 | 基礎化學實習 | 化工科 | 2 | 3 | 0 | 0 | 0 | 0 | | 24. | 實習 | 電路學實習 | 資訊科 | 0 | 0 | 0 | 0 | 2 | 3 | | 25. | 實習 | 室內配線進階實習 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | | 26. | 實習 | 化學品製造實習 | 化工科 | 0 | 0 | 0 | 0 | 3 | 2 | | 27. | 實習 | 鉗工實習 | 機械科 | 2 | 0 | 0 | 0 | 0 | 0 | | 28. | 實習 | 農機工廠實習 | 農業機械科 | 0 | 0 | 3 | 3 | 0 | 0 | | 29. | 實習 | 電腦立體繪圖實習 | 機械科 | 0 | 0 | 0 | 3 | 0 | 0 | | 30. | 實習 | 車床進階實習 | 機械科 | 0 | 0 | 3 | 0 | 0 | 0 | | 31. | 實習 | 電機控制應用實習 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | | 32. | 實習 | 應用化學實習 | 化工科 | 0 | 0 | 0 | 0 | 3 | 3 | | 33. | 實習 | 農場管理實習 | 農場經營科 | 0 | 0 | 0 | 0 | 2 | 2 | | 34. | 實習 | 電腦軟體應用實習 | 資訊科 | 2 | 3 | 0 | 0 | 0 | 0 | | 35. | 實習 | 造園基本設計實習 | 農場經營科 | 0 | 0 | 0 | 0 | 2 | 2 | | 36. | 實習 | 物聯網實習 | 電機科 | 0 | 0 | 0 | 0 | 0 | 2 | |   多元選修方式課程規劃表   |  |  | | --- | --- | | |  | | --- | |  | | | | 序號 | 科目屬性 | 科目名稱 | 適用群科別 | 授課年段與學分配置 | | | | | | 開課方式 | 同時段開課 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 第一學年 | | 第二學年 | | 第三學年 | | | 一 | 二 | 一 | 二 | 一 | 二 | | 1. | 實習 | 智慧監控實習 | 資訊科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AA2選1 | | 2. | 實習 | 物聯網設計實習 | 資訊科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AA2選1 | | 3. | 實習 | 寵物飼養實務 | 畜產保健科 | 0 | 0 | 0 | 0 | 3 | 0 | 同科單班 | AB2選1 | | 4. | 實習 | 畜產品應用實習 | 畜產保健科 | 0 | 0 | 0 | 0 | 3 | 0 | 同科單班 | AB2選1 | | 5. | 實習 | 工業分析實習 | 化工科 | 0 | 0 | 0 | 0 | 4 | 4 | 同科單班 | AC2選1 | | 6. | 實習 | 高分子材料實習 | 化工科 | 0 | 0 | 0 | 0 | 4 | 4 | 同科單班 | AC2選1 | | 7. | 實習 | 米食及農產加工實習 | 農場經營科 | 0 | 0 | 0 | 0 | 4 | 4 | 同科單班 | AF2選1 | | 8. | 實習 | 穀類加工實習 | 農場經營科 | 0 | 0 | 0 | 0 | 4 | 4 | 同科單班 | AF2選1 | | 9. | 實習 | 茶藝技術實習 | 農場經營科 | 0 | 0 | 2 | 2 | 0 | 0 | 同科單班 | AG2選1 | | 10. | 實習 | 製茶技術實習 | 農場經營科 | 0 | 0 | 2 | 2 | 0 | 0 | 同科單班 | AG2選1 | | 11. | 專業 | 可程式設計 | 電機科 | 0 | 0 | 0 | 3 | 0 | 0 | 同科跨班 | AH3選1 | | 12. | 專業 | 電路設計 | 電機科 | 0 | 0 | 0 | 3 | 0 | 0 | 同科跨班 | AH3選1 | | 13. | 專業 | 邏輯設計 | 電機科 | 0 | 0 | 0 | 3 | 0 | 0 | 同科跨班 | AH3選1 | | 14. | 實習 | 電子技術實習 | 資訊科 | 0 | 0 | 0 | 0 | 2 | 3 | 同科單班 | AI2選1 | | 15. | 實習 | 電子電路實習 | 資訊科 | 0 | 0 | 0 | 0 | 2 | 3 | 同科單班 | AI2選1 | | 16. | 實習 | 工藝品製作實習 | 化工科 | 0 | 0 | 0 | 0 | 3 | 3 | 同科單班 | AJ2選1 | | 17. | 實習 | 環境檢驗實習 | 化工科 | 0 | 0 | 0 | 0 | 3 | 3 | 同科單班 | AJ2選1 | | 18. | 實習 | 農畜產品加工實習 | 畜產保健科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AK2選1 | | 19. | 實習 | 寵物經營實務 | 畜產保健科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AK2選1 | | 20. | 實習 | 機械裝配實習 | 機械科 | 0 | 0 | 0 | 0 | 0 | 4 | 同科單班 | AL2選1 | | 21. | 實習 | 機構製作實務 | 機械科 | 0 | 0 | 0 | 0 | 0 | 4 | 同科單班 | AL2選1 | | 22. | 實習 | 量測實習 | 機械科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AM2選1 | | 23. | 實習 | 銲接實務 | 機械科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科單班 | AM2選1 | | 24. | 實習 | 農業自動化控制實習 | 農業機械科 | 0 | 0 | 0 | 0 | 0 | 4 | 同科單班 | AN2選1 | | 25. | 實習 | 堆高機實習 | 農業機械科 | 0 | 0 | 0 | 0 | 0 | 4 | 同科單班 | AN2選1 | | 26. | 實習 | 電腦輔助繪圖實習 | 農業機械科 | 0 | 0 | 0 | 0 | 4 | 0 | 同科單班 | AO2選1 | | 27. | 實習 | 作業機械實習 | 農業機械科 | 0 | 0 | 0 | 0 | 4 | 0 | 同科單班 | AO2選1 | | 28. | 專業 | 工業電子學 | 電機科 | 0 | 0 | 0 | 0 | 3 | 0 | 同科跨班 | AP3選1 | | 29. | 專業 | 輸配電 | 電機科 | 0 | 0 | 0 | 0 | 3 | 0 | 同科跨班 | AP3選1 | | 30. | 專業 | 程式設計 | 電機科 | 0 | 0 | 0 | 0 | 3 | 0 | 同科跨班 | AP3選1 | | 31. | 專業 | 配線設計 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科跨班 | AQ3選1 | | 32. | 專業 | 自動控制 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科跨班 | AQ3選1 | | 33. | 專業 | 微處理機 | 電機科 | 0 | 0 | 0 | 0 | 0 | 3 | 同科跨班 | AQ3選1 | |  |  | | --- | |  | | |  | | --- | |  | | |  | | 二、選課輔導流程規劃 | | (一)流程圖(含選課輔導及流程) | | (二)日程表 | | |  |  |  |  | | --- | --- | --- | --- | | **序號** | **時間** | **活動內容** | **說明** | | 1 | 8月20日 | 新生訓練 | 新生訓練暨選課輔導 | | 2 | 9月6日 | 全校選課 | 學生選課 | | 3 | 9月19日 | 親師座談會 | 親師座談會選課輔導暨學習歷程說明 | | 4 | 10月2日 | 課程諮詢教師入般宣導並提供選課諮詢輔導 | 選課諮詢輔導 | | 5 | 1月6日 | 選課與加、退選 | 由學生自行加退、選 | | 6 | 1月21日 | 檢討 | 課發會進行選課檢討 | |      |  | | --- | | 三、選課輔導措施 | | |

(一)課程諮詢階段

**高級中等學校推動課程諮詢實施原則**

一、學生適性選修輔導應搭配課程諮詢及生涯輔導；有關課程諮詢部分由課程諮詢教師辦理，有關生涯輔導部分，由專任

輔導教師或導師協同辦理。

二、學校課程計畫書經各該主管機關准予備查後，課程諮詢教師召集人（以下簡稱召集人）即統籌規劃、督導選課輔導手

冊之編輯，以供學生選課參考。

三、學校每學期選課前，召集人、課程諮詢教師及相關處室，針對教師、家長及學生辦理選課說明會，介紹學校課程地圖、

課程內容及課程與未來進路發展之關聯，並說明大學升學進路。

四、選課說明會辦理完竣後，針對不同情況及需求之學生，提供其課程諮詢或生涯輔導；說明如下：

（一）生涯定向者：提供其必要之課程諮詢。

（二）生涯未定向、家長期待與學生興趣有落差、學生能力與興趣有落差或二年級（三年級）學生擬調整原規劃發展之

進路者：

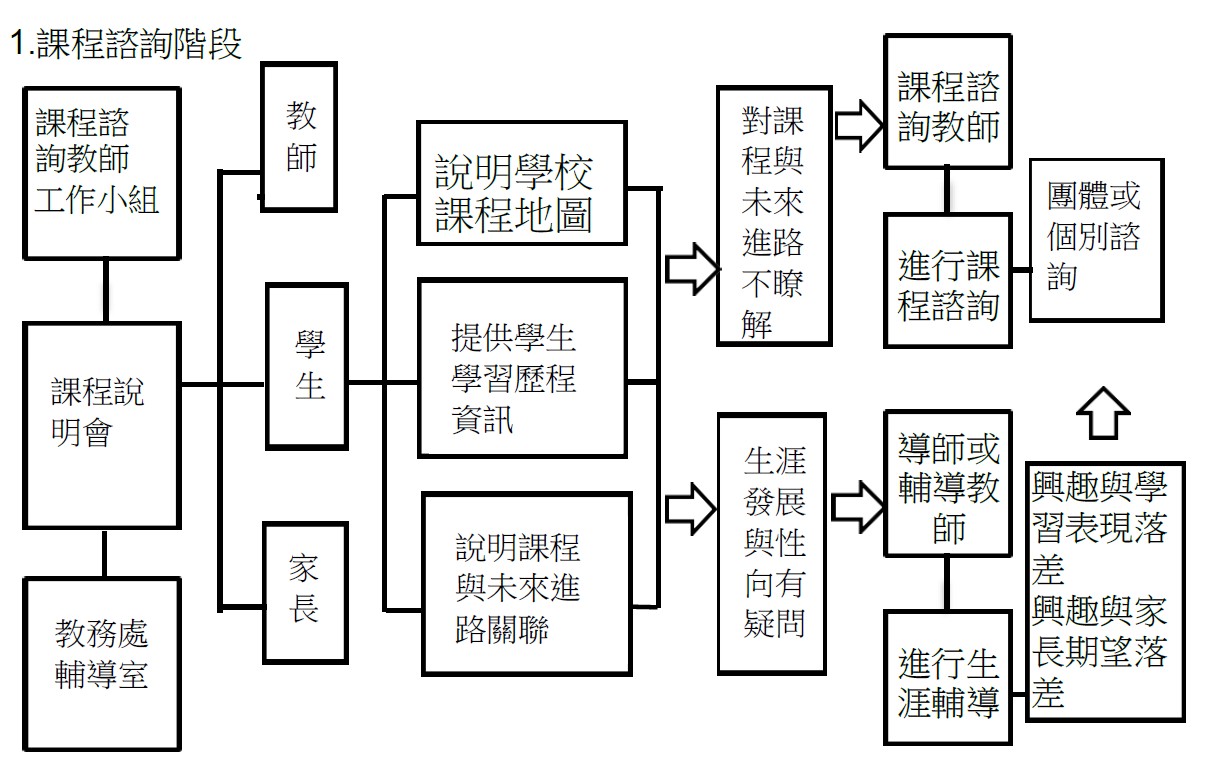
1. 先由導師進行瞭解及輔導，必要時，進一步與家長聯繫溝通。
2. 導師視學生需求向輔導處（室）申請輔導，由專任輔導教師依學生性向、興趣測驗結果，進行生涯輔導。
3. 經導師瞭解輔導或專任輔導教師生涯輔導後，續由課程諮詢教師，提供其個別之課程諮詢。

五、召集人負責協調編配課程諮詢教師提供諮詢之班級或學生；課程諮詢教師應提供學生可進行團體或個別諮詢之時段，

每位學生每學期至少1次。

六、課程諮詢教師應每學期按時於學生學習歷程檔案，登載課程諮詢紀錄。

七、課程輔導諮詢實施原則流程圖，詳如附件一。



(二)選課及加退選階段

# **國立北港高級農工職業學校多元選修學生選課實施要點**

中華民國 108年4月26日課發會討論通過

壹、 依據：

一、中華民國103年11月28日教育部臺教授國部字第1030135678A 號「十二年國民基本教育課程綱要總綱」。

二、中華民國107年2月21日教育部臺教授國部字第1060148749B 號「高級中等學校課程規劃及實施要點」。

三、中華民國107年4月10日教育部臺教授國部字第1070024978B 號「高級中等學校課 程諮詢教師設置要

點」。

貳、對象:本校修習多元選修課程學生。

參、學生選課應詳細閱讀本要點，並應遵照導師、科主任、課程諮詢教師及輔導老師指導辦理，上述人員對學生選課應盡力輔導，有疑問時，從速協調有關單位辦理。

肆、學校安排選課輔導機制：

一、導師：負責發展性輔導，協助學生生活、生涯與學習之輔導與親師溝通；針對生涯未定向學生、家長期望與學生興趣有落差、學生能力與興趣不符或學生缺乏學習動力等情形，由導師先進行瞭解及輔導。

二、輔導教師：結合生涯規劃課程、生涯輔導相關活動與講座，並透過心理測驗，協助學生自我探索，瞭解自我興趣與性向，俾利學生規劃未來與學習；針對生涯未定向學生、家長期望與學生興趣有落差、學生能力與興趣不符或學生缺乏學習動力等情形，則協助導師，提供學生更專業之生涯輔導。

三、課程諮詢教師：

（一）每學期選課前針對學生、家長及教師說明學校課程計畫及其與學生進路發展之關聯，並於選課期間提供學生有關課程內涵、目標與未來大學科系或課程關聯性之諮詢。

（二）針對生涯未定向學生、家長期望與學生興趣有落差、學生能力與興趣不符或學生缺乏學習動力等情形，俟導師或輔導老師輔導並解決相關問題後，提供學生課程諮詢。

（三）每學期於選課期間，參考學生學習歷程檔案，以團體或個別方式提供學生諮詢。

（四）協助編印選課輔導手冊，以提供學生選修課程時之參考。

四、科主任：提供修課學生專業類科及技能課程的分析與輔導。

伍、學生每學期所修科目以其電腦選課或選課單為準。已選科目未經退選不得中途放棄。

陸、本校選課採預選制，學生於每一學期結束前預選下學期課程。新生則於新生始業輔導時選課。

柒、學生選課須合於下列規定：

一、學生需於學校指定的選修期限辦理選修作業，未於規定期間選課由教務處逕予分發。

二、學生需依課程手冊所載之選修課程進行選修，不可以多選或不選（學校未提供空白不選課機制）。

三、學生選課以電腦選課為主，加退選以電腦選課為之。

四、選修科目其選修人數，每班開班人數不得低於12人為原則，情形特殊且校內經費足以支應者，得降至10人以下；每班開班人數上限為當年度核訂之班級人數，選修人數超過上限時，由電腦依選課學生志願序隨機篩選。若有特殊狀況，則召開會議依專案處理。

捌、學生加選或退選須合於下列規定：

一、學生之退選以不影響原成班下限人數為原則。

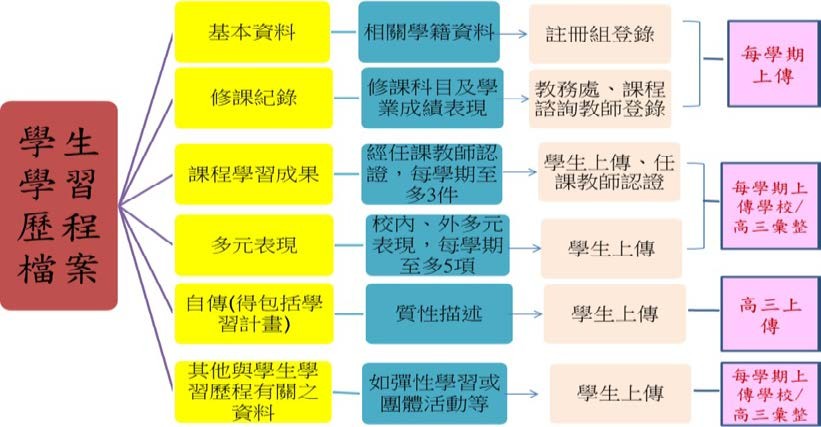
二、學生之加選以不影響加選班級上限人數為原則。

三、學生加退選應於開課二週內為之，以電腦選課辦理加退選作業為主，加（退）選結果並應列印，經家長、任課教師、課程諮詢教師及實研組長簽章審核辦理；若有特殊狀況，須召開會議專案處理時，其加（退）選作業採紙本申請；申請單經家長、導師、加（退）選授課教師、課程諮詢教師及科主任簽署後，送教務處作業。

四、超過加退選期限，即不得以任何理由要求再加退選課程。

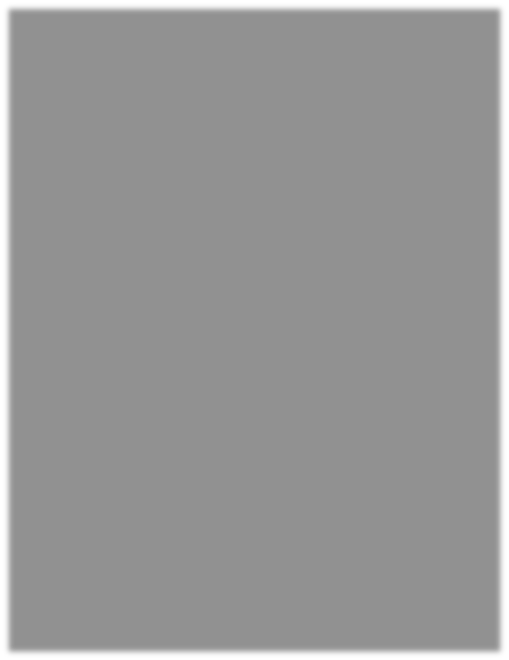
玖、本要點經課程發展委員會議討論後，陳請校長核定後實施，修正時亦同。

(三)登錄學習歷程檔案階段

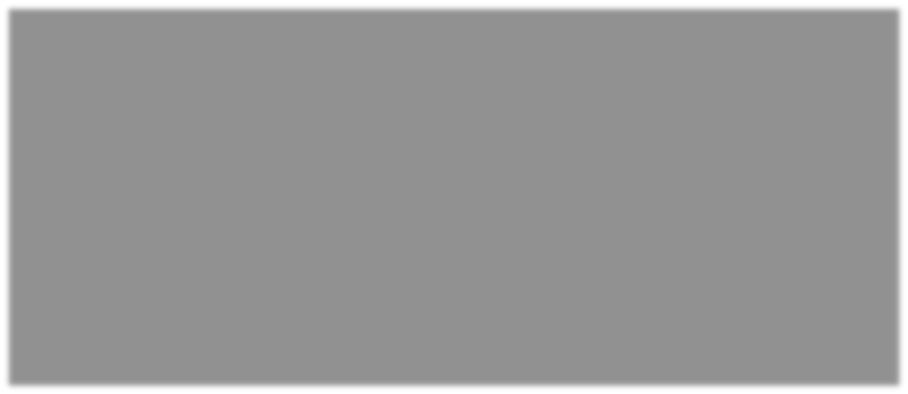


（四）選課系統操作說明

第1章 登入畫面



1、 輸入個人帳號與密碼。(帳號密碼同成績查詢系統)



2、登入後可看到如上圖畫面，功能由教務處管理設定，並在開放時間內才會出現圖示。

## 【功能說明】

1、顯示現在正進行選課作業的學年期。

2、顯示使用者資訊，點可以看到登出功能。

3、公告查詢：可以查看學校對本次選課作業的公佈內容。

4、課程查詢：開放查詢時才會看到此功能，可查詢個人可選修課程。

5、意願調查：開放時才會顯示此功能，可針對選修課程進行意願調查。

6、我要選課：開放選課時才會顯示此功能，對選修課程進行填寫志願。

7、加退選：開放時才會顯示此功能，可對選修課程進行加選或退選。

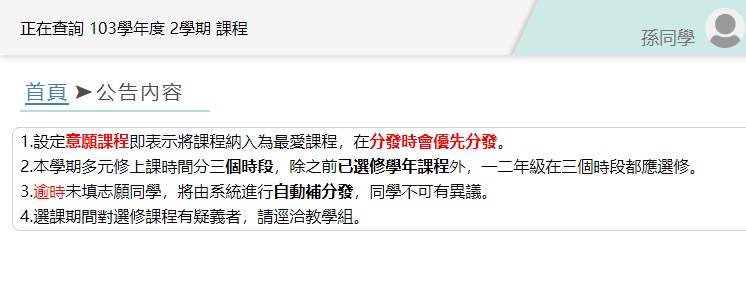
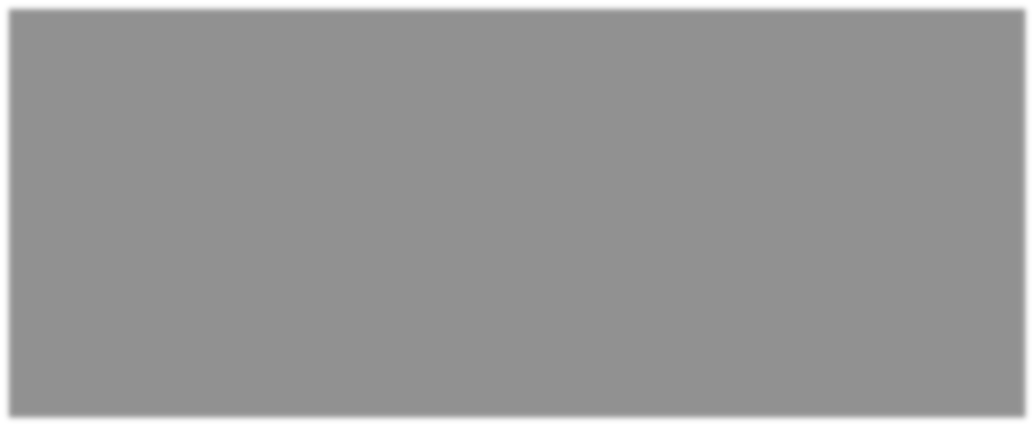
8、選課結果：開放時才會顯示此功能，顯示目前選課階段已錄取的課程資訊。

## 【注意事項】

※填志願分成混和填志願與分時段填志願，如學校採用混和填志願於課程查詢、意願調

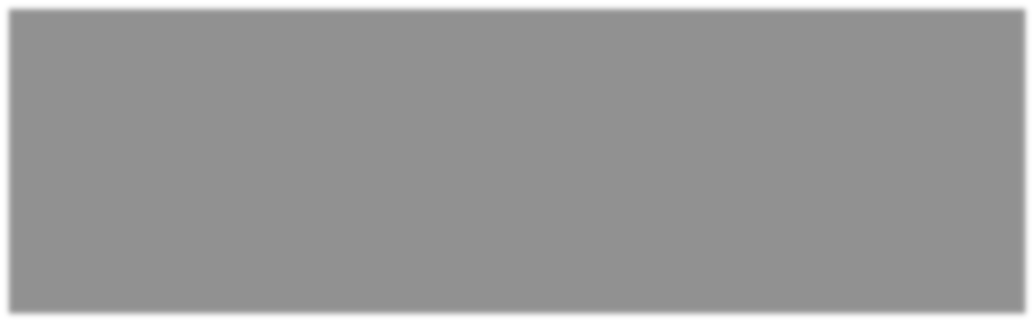
查、我要選課、加退選時需要先選擇時段才會進入功能畫面。

第2章 公告查詢

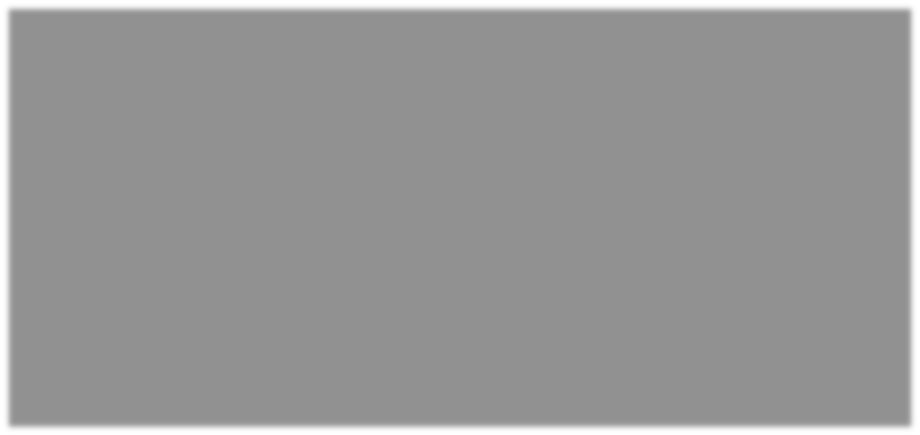


提供查看選課的公告內容，請同學注意查看相關規定。

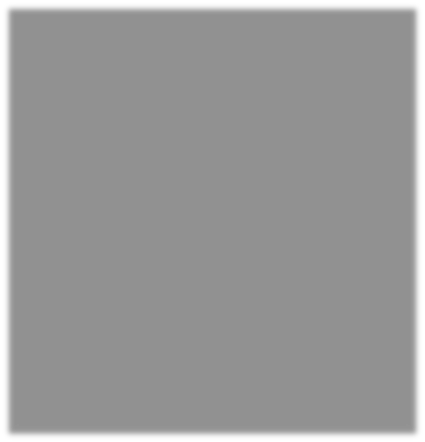
第3章 課程查詢



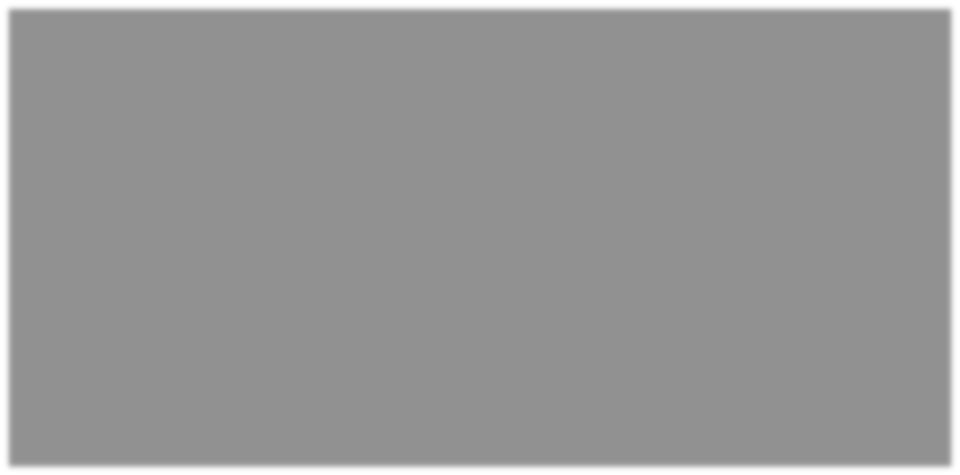
1、如上圖學校採用分時段填志願時，首先需要先選擇時段。



2、課程欄位會顯示基本資訊，點選查詢可以進一步查詢更多課程資訊。



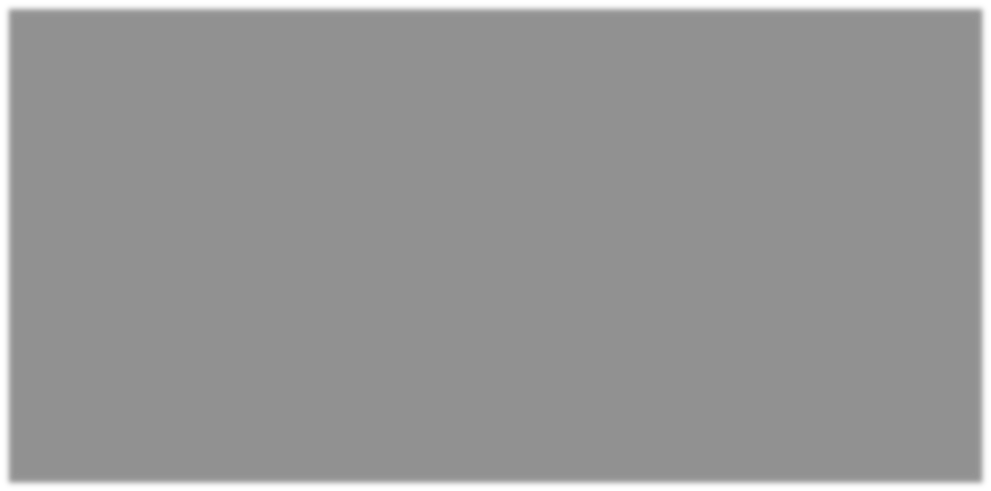
第4章 意願調查



1、點選愛心加入有意願選擇本課程(如同加入我的最愛)，正式選課時有意願科目會排

序在最上方，選課科目多時方便協助填選志願。

第5章 我要選課



1、點選志願序格子，會自動填入志願序號，再次點選志願序號可取消志願。

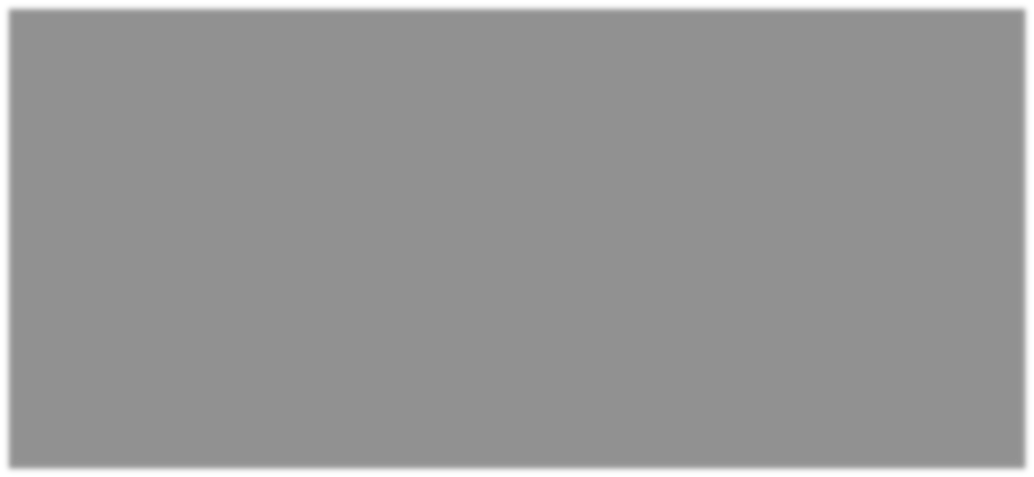
2、拖曳可排列志願順序。

## 【注意事項】

※填志願為即時存檔，學校要求填滿全部志願時，首次進入畫面會自動填寫志願，請同

學重新移動志願順序即可。

第6章 加退選



加退選階段，如有選上課程，請先點擊選課方框退選課程，才能加選新課程。

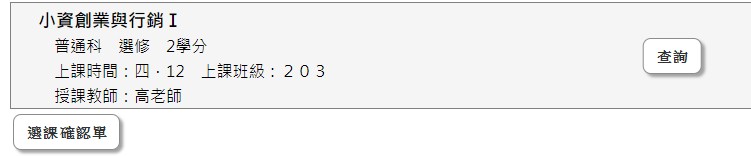
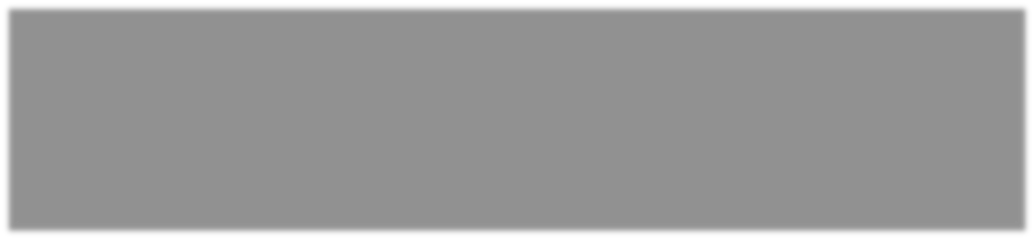
## 【注意事項】

1、已達人數上限的課程不可以加選。

2、已選人數低於或等於退選底限時，該課程不可退選。

3、有上鎖圖示代表本科目不可退選。

第7章 選課結果



學校開放查詢的時間後，可查詢選課結果，並提供列印選課確認單。

## **柒、生涯輔導與未來進路**

一、生涯輔導工作與資源

（一）、生涯輔導工作

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| --- | --- | --- | --- | --- |
| 編號 | 實施項目 | 內容 | 辦理單位 | 辦理時程 |
| **1.** | 新生始業輔導 | 介紹各處室，協助新生了解各處室功能。介紹輔導工作， 加強學生認識與應用。協助學生認識國、高中教育之差異，規劃高中三年的生涯計畫，以及升學進路。 | 學務處輔導室(導師) | 高一 |
| **2.** | 學生學習歷程檔案 | 召開建置學生學習歷程檔案資料工作小組會議，協商學生學習歷程檔案建置與檢核作業分工，並將學習歷程檔案納入課程說明會內容。 | 教務處學務處實習處  輔導室 | 每學期 |
| **3.** | 個別諮詢與輔導 | 學生可依個人需要與輔導老師討論個人生涯議題。提供家長、教師諮詢服務。 | 輔導室 | 不定期 |
| **4.** | 團體輔導 | 提供學生生涯團體輔導與諮商，透過團體動力協助學生自我探索、生涯規劃。 | 輔導室 | 不定期 |
| **5.** | 生涯規劃課程與  教學 | 開設生涯規劃科 | 教務處  任課教師 | 高三 |
| 生涯輔導融入各學科教學 | 不定期 |
| **6.** | 實施心理測驗 | 實施性向、興趣、人格測驗，提供學生客觀之評量資料，以協助學生自我了解，發揮潛能及適性發展。 | 輔導室 | 不定期 |
| 其他心理測驗，如：中學生生活適應量表、學生學習與讀書策略量表、學習診斷測驗、大學入學考試中心興趣量表、職業興趣組合卡、田納西自我概念量表、戈登人格剖析量表。 |
| **7.** | 學習輔導 | 選課輔導：辦理課程說明會，進行課程諮詢，協助學生多元選修、彈性學習或自主學習規劃。 | 教務處課諮師輔導室學務處(導師) | 每學期 |
| 轉科輔導：協助興趣或能力不符學生，進行個別輔導，提供轉科或轉學輔導安置，及轉科學生後續追蹤與輔導。 |
| **8.** | 升學輔導 | 聘請專家學者蒞校演講，說明學習與生涯規劃的  關係。 | 教務處學務處總務處實習處輔導室圖書館 | 不定期 |
| 辦理家長與教師課程說明會，說明本校課程規劃 與發展、學生學習歷程檔案及各項大學多元進路方案宣導。 |
| 於班週會進行生涯主題講座或班級討論。邀請校友及家長分享各行各業的未來發展。 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 編號 | 實施項目 | 內容 | 辦理單位 | 辦理時程 |
|  |  | 邀請技專校院入校宣導學校特色，提供學生技專  校系升學資訊，作為學生選系參考。 |  |  |
| (視需求)辦理升學博覽會 |
| 備審資料指導：提供學生生涯諮詢，指導學生備  審資料之製作。 |
| 面試模擬：配合多元入學管道，提供團體或個  別、升學或就業的面試指導。 |
| 選填志願輔導：指導學生根據本身條件選擇適合  校系就讀。 |
| **9.** | 就業輔導 | 實施技能檢定輔導，加強各科學生技能檢定，取 得技術士證照，或選手培訓參加全國技能競賽、全國高級中等學校技藝競賽。 | 實習處 | 不定期 |
| 辦理職涯講座，介紹職業世界與趨勢，提供各科  就業資訊、就業宣導活動及相關訊息。 | 實習處  輔導室 | 不定期 |
| (視需求)辦理就業博覽會 | 實習處 | 高三 |
| **10.** | 辦理校系與職場  參訪 | 引導或帶領學生參訪技專校院、大學。各科學生  參訪該科職業類別之公司、工廠或大型展覽。 | 實習處 | 不定期 |
| **11.** | 生涯資訊查詢與資料提供 | 不定期更新生涯及大學院校多元入學資訊於公布欄及網頁。設置大學科系介紹專櫃及閱覽專區，提供各項升學資訊供學生參考。 | 教務處輔導室 | 不定期 |
| 收集各大專校院開設之營隊資訊，鼓勵並協助學  生參加相關營隊活動。 | 實習處  輔導室 | 不定期 |
| 開放學生資料查詢專用電腦，方便同學查詢升學  相關資訊。 | 輔導室  圖書館 | 不定期 |
| 收集面試考古題或學長姊備審資料，提供學生參  考。 | 輔導室  (導師) | 不定期 |
| **12.** | 畢業生進路追蹤  與分析 | 進行畢業生進路追蹤與分析，以了解學生畢業後  升學或就業情形。 | 教務處  實習處 | 6~10月 |

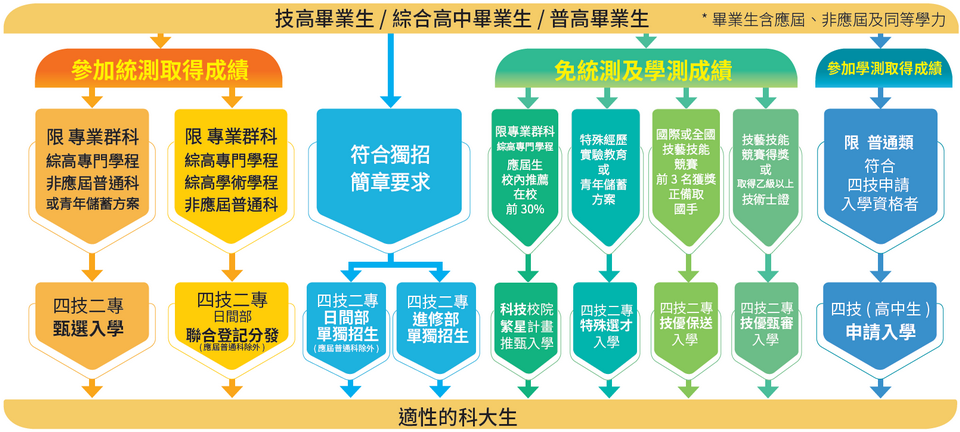
（二）、生涯輔導資源

|  |  |  |
| --- | --- | --- |
| 項目 | 網站名稱 | 內容說明 |
| 自我探索 | 學生生涯輔導網 | 自我探索、科系介紹、工作世界、大學營隊、生涯  問鮮菇、相關連結 |
| 大考中心心理測驗 | 興趣量表(線上版)、學系探索量表(線上版) |
| 華人生涯網 | 量化評量、質性探索 |
| 生涯測驗系統高中版 | 適性化生涯性向測驗、電腦化生涯興趣測驗、工作價值組合 |
| 學群科系 | 大學博覽 | 頭條新聞、學校介紹、落點分析 |
| IOH 開放個人經驗平台 | 選校先探索18學群、全台校系總覽、教授談科系、 |

|  |  |  |
| --- | --- | --- |
|  |  | 海外留學 |
| 1111學群介紹 | 認識學群 |
| 大學選才與高中育才輔助系統ColleGo! | 1.大學選才：認識學群、認識學類、認識大學。  2.高中育才：三年行動計畫、探索興趣類型、探索核心素養、探索領域學科、探索加深加廣課程、探索知識領域。 |
| 技術型  高中升學 | 技專校院入學測驗中心 | 測驗業務、資料下載(歷年簡章下載、歷年試題下載) |
| 技專校院招生策略委員會 | 四技二專招生資訊、招生宣導等 |
| 技訊網 | 全國技專校院、升四技二專、轉學考、資料檢索等 |
| 普通型  高中升學 | 大學多元入學升學網 | 考試方式、入學管道、考試與入學管道 |
| 大學入學考試中心 | 高中英語聽力測驗、學科能力測驗、分科測驗 |
| 大學術科考試委員會 | 各組考試說明(美術術科、音樂術科、體育術科)、重要時程 |
| 大學考試分發委員會 | 重要時程、招生簡章、文件審查、校系分則 |
| 大學甄選入學委員會 | 校系分則查詢、審查資料上傳、各校榜單連結、網路  登記志願、分發結果查詢 |
| 大專校院校務資訊公開平臺 | 分領域、學校設立別、地區、學位查詢、全校新生註冊率 |
| 軍警校 | 國軍人才招募中心 | 軍事學校正期班、士官二專班、志願士兵、專業預備軍士官班等 |
| 臺灣警察專科學校 | 招生簡章、歷屆考題 |
| 中央警察大學 | 招生資訊、招生簡章、歷年考題 |
| 職場就業 | 104工作世界 | 全部職務、職場趨勢、探索神器 |
| RICH 職場體驗 | 暑假旅宿業職場體驗、公部門見習、暑期社區職場體驗、經濟自立工讀、青年創業家見習、職場微體驗 |
| 青年教育與就業儲蓄帳  戶專區 | 方案內容(青年就業領航計畫、青年儲蓄帳戶、青年體驗學習計畫)、影音平台、職務職能查詢 |
| UCAN大專校院就業職能平台 | 職能與職業查詢、職業興趣探索、職能診斷、能力  養成計畫 |

二、升學進路

（一）四技二專升學管道流程圖



1、主要升學管道說明

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 管道 | 時間 | 志願 | 資格、比序 | 備註 |
| 四技二專技優保送入學 | 12~1月 | 50個 | 1.參加國際技能競賽（含國際展能節職業技能競賽）獲各職類優勝或參加國際科技展覽成績優異，獲推薦並持有證明。  2.獲選為國際技能競賽（含國際展能節職業技能競賽）正（備）取國手，並持有證明。  3.參加全國技能競賽（含全國身心  障礙者技能競賽），獲各職類前  3名名次。  4.參加全國高級中等學校技藝競賽  獲各職種個人競賽前3名名次。 | 不採計統測測驗成績，依各類別及「技優保送競賽獲獎名次與等第對照表」之獲獎等第排名，如獲 獎 等 第 相 同時，則以該職種（類）競賽參加人 數 為 參 酌 順序。 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 管道 | 時間 | 志願 | 資格、比序 | 備註 |
| 四技二專特殊選才聯合招生 | 12~1月 | 5個 | 招生校系科(組)、學程所自定之專業領域、特殊技能、經歷、專長或成就。 | 分技職特才及實驗教育組、青年儲蓄帳戶組。 |
| 科技校院繁星計畫聯合推薦甄選入學 | 3~4月 | 25個 | 所有考生依8項比序排名順序進行分發作業，比序項目如下。   1. 第1比序：5學期學業平均成績之群名次百分比 2. 第2比序：5學期專業科目及實習科目平均成績之群名次百分比 3. 第3比序：5學期技能領域科目平均成績之群名次百分比 4. 第4比序：5學期英語文平均成績之群名次百分比 5. 第5比序：5學期國語文平均成績之群名次百分比 6. 第6比序：5學期數學平均成績之群名次百分比 7. 第7比序：「競賽、證照及語文能力檢定」之總合成績 8. 第8比序：「學校幹部、志工、社會服務及社團參與」之總合成績 | 各高職學校至多可推薦15名考生。 |
| 四技二專技優甄審入學 | 5~6月 | 5個 | 具技優保送資格。   1. 參加全國高級中等學校技藝競賽獲各職種個人競賽優勝名次，且在分配參加甄審名額以內名次。 2. 參加全國中小學科學展覽會、臺灣國際科學展覽會成績優異，且獲國立臺灣科學教育館推薦。 3. 參加其他由中央各級機關或直轄市政府主辦之全國性各項技藝技能競賽獲各職種（類）優勝名次。 4. 領有乙級以上技術士證。 5. 其他參加國際性特殊技藝技能   競賽獲相關競賽優勝名次。 | 1.乙級技術士證之優待加分標準依其職類與招生類別之高、中及低之不同相關度，加分比率依序分別為15%、8%及4%。  2.各校得限制考生僅能選擇該校1個系科組、學程報名。 |
| 四技二專甄選入學 | 5~6月 | 6個 | 分為第一階段及第二階段，第一階段為統一入學測驗成績篩選，由各校系科訂定採計科目及篩選倍率，通過第一階段篩選的考生須上傳甄選學校所規定之備審資料及參加第二階段各指定項目甄試，例如面試、筆試、備審資料審查、術科實作等。 | 分一般組、青年儲蓄帳戶組，每位考生限就符合報名資格的組別中，僅可擇1組報名。各校得限制考生僅能選擇該校1個系科組、學程報名。 |
| 四技二專登記 | 7月 | 199個 | 採計統測成績。 | 國、英、數共同 |
| 分發 |  |  |  | 科目成績加權1~2 倍，專業科目(一)、(二)成績加權2~3倍，權重級距為0.25，由各大學校系自訂。 |

2、其他升學管道：

1. 四技二專日間部一般單獨招生
2. 四技二專進修部一般單獨招生
3. 運動績優學生招生－高級中等以上學校運動成績優良學生升學輔導甄審、甄試
4. 運動績優學生招生－重點運動項目績優學生單獨招生
5. 四技二專產學攜手合作計畫專班招生
6. 大學特殊選才招生
7. 大學申請入學
8. 大學進修學士班招生
9. 農漁業公費專班招生
10. 青年教育與就業儲蓄帳戶方案

（二）各職群進升

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| --- | --- | --- |
| 科別 | 群別 | 可進修升學系所 |
| 機械科 | 機械群 | 機械工程系、機電科技系、材料科學與工程系、工業工程與管理系、工業設計系、生物機電工程系、機械與自動化工程系、模具工程系、動力機械工程系、飛機工程系、輪機工程系、造船及海洋工程系、環境工程系、化工與材料工程系、電機工程系、牙體技術暨材料系、光電工程系、生物醫學工程系、能源  與冷凍空調工程、航空機械系、工業教育學系…等等。 |

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| --- | --- | --- |
| 農業機械科 | 動力  機械群 | 車輛工程系、機械工程系汽車組、飛機工程系機械組、航空機  械系、造船及海洋工程系、動力機械工程系…等等。 |
| 電機科、資訊科、  微電腦修護科 | 電機與電子群 | 電機工程系、光電工程系、自動化工程系、能源與冷凍空調工程系、材料科學與工程系、綠色能源科技系、機械與自動化工程系、生物機電工程系、電腦與通訊工程系、飛機工程系、資訊工程系、電子工程系、機械工程系、環境與安全衛生工程系、資訊管理系、電信工程系、多媒體設計系、多媒體與電腦娛樂科學系、動畫與遊戲設計系、資訊網路工程系、資訊與網路通訊系、微電子工程系、冷凍空調與能源系、工業工程與管理系、多媒體與遊戲發展科學系、環境工程與科學系、生物醫學工程系、航空電子系、電機與能源科技系、資訊網路技術  系、醫學影像暨放射科學系、數位遊戲與動畫設計系…等等。 |
| 化工科 | 化工群 | 化學工程系、化學工程與材料工程系、分子科學與工程系、化學工程與生物科技系、環境與安全衛生工程系、應用化學系、生物技術系、文化資產維護系、醫學檢驗生物技術系、醫藥化學系、製劑製造工程系、生活應用科技系、海洋環境工程系、水產食品科學系、化妝品與時尚彩妝系、材料與纖維系…等  等。 |
| 農場經營科、畜產保健科 | 農業群 | 農園生產系、植物醫學系、農企業管理系、熱帶農業暨國際合作系、生物科技系、海洋生物技術系、醫學檢驗生物技術系、園藝學系、景觀系、空間設計系、森林系、森林暨自然資源學系、茶文化與事業經營學士學位學程、觀光休閒系、觀光與生態旅遊系、環境資源管理系、綠環境設計學位學程、木材科學與設計系、水土保持系、環境工程與科學系、獸醫學系、動物科學與畜產系、寵物美容學位學程、水產養殖系、漁業生產與管理系、企業管理系、食品科學系、保健營養生技系、應用化學系生化科技組、製劑製造工程系、化工與材料工程系、護理  系、視光系…等等。 |

三、就業進路

（一）各科別學習內容與目標

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| --- | --- | --- | --- |
| 科別 | 群別 | 主要學習內容與目標 | 相關證照 |
| 機械科 | 機械群 | 主要學習電腦輔助機械設計(CAD) 與製造(CAM)，為價值核心課程，加強學生學習先進數控機械設備與產業接軌。 | 銑床、車床、熱處理  機械加工、電腦輔助機械設計製圖 |

|  |  |  |  |
| --- | --- | --- | --- |
| 農業機械科 | 動力機械群 | 主要學習農業機械（如：耕耘機、插秧機）操作及保養維修之基本知識與技能，並培養農場經營管理機械化及農業生產自動化之基礎能力。 | 機器腳踏車修護  農業機械修護  氣壓、銲接、鏟裝機、推土機 |
| 電機科 | 電機與電子群 | 主要學習室內配線設計、工業配線設計、電機機械、微電腦控制及程式設計等相關實務技術能力，以培養電機產業之基層技術人員。 | 室內配線、工業配線、電器修護 |
| 資訊科 、 微電腦修護科 | 主要學習電腦系統安裝與設定、軟體程式的撰寫、網路系統（Server）安裝與設定、單晶片微電腦控制的程式編寫與電路的裝配及測試等技術能力，以培養資訊產業之基層技術人員。 | 電腦硬體裝修、電腦軟體應用、電腦軟體設計、網路架設、網頁設計 |
| 化工科 | 化工群 | 主要學習化工原料和產品性質的分析檢驗與管制以及有關化工機械各式儀表和分析儀器的使  用與維護，以培養化學工業的基層技術人才。 | 化學、化工  石油化學 |
| 農場經營科 | 農業群 | 主要學習各種作物之生產及栽培管理、農業資源之應用，農業經營與行銷知識，認識農業未來趨勢，使學生將來能從事有關農園生產、作物栽培管理、環境資源管理、農產利用行銷等  工作。 | 農藝、園藝、烘焙  製茶技術  中式米食加工 |
| 畜產保健科 | 主要學習畜牧與動物保健專業知識與技能， 如：雞、豬、牛等之飼養管理經營、飼料製造品管、畜產品利用與品管、禽畜污染防治技術；獸醫學基礎知識，如：獸醫理論課程、禽畜解剖。目標在於培養學生敬業樂群與尊重生命的專業精神與職業道德，成為符合時代需求  之畜產保健人才。 | 烘焙  水族養殖、肉製品加工、寵物美容 |

## （二）各科別就業發展

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| 科別 | 群別 | 高職畢業 | 科技大學畢業 | 研究所畢業 |
| 機械科 | 機械群 | 精密機械、 大眾運輸、汽車、造船、航太工程技術人員 | 3C 產品機構工程師、半導體與面板廠的設備工程師、機械、機構設計、實驗等研發人員 | 機械相關行業創新、研究開發人員、相關學科研究人員  等。 |
| 農業機械科 | 動力  機械群 | 主要在農機製造修護  廠、機械元件製維修  廠、自動化工廠等擔任操作維修保養技術人員。 | 車輛相關產業研發工程  師、高科技產業研發工  程師、飛機工程實務高級專業技術人才、航空電子工程專業技術人  才、自行創業。 | 動力機械相關  行業創新、研  究開發人員、相關學科研究人員等。 |
| 電機科 | 電機與電子群 | 主要在水電行、機電顧問公司、空調工程公司、 機械設計公司、自動控制科技公司等相關行業，擔任水電維護技術員、室內配線技術員、電機馬達修護技術員、水電工程技術員、自動控制配線員、工業配線員、電機裝修員、電子公司技術員、工  廠電氣保養員 | 主要在電力設備商、電力公司、民營電廠、照明產業、太陽能產業、電機控制產業等相關行業，擔任保護電驛工程師、電機控制工程師、電動車產業工程師、太陽能產業工程師、電源供應器工程師、節能產業工程師、光源驅動電路工程師、電力產品工程師、電機工程師 | 相關電機行業創新、研究開發人員、相關學科研究人員等 |
| 資訊科 、 微電腦修護科 | 主要在電腦公司、資訊公司、網路行銷公司、軟體公司、電子科技公司、資訊產品門市等相關行業，擔任電腦維修安裝技術員、電腦程式設計員、電腦商品售貨員、網路裝配及維修員、電腦硬體組裝及修護員、系統及軟體維護員、電腦週邊設備生產工廠技術員、電子公司技術員 | 主要在電腦及消費性電子製造業、網路規劃設計產業、遊戲設計產業、多媒體設計產業、電腦軟體服務業、電腦系統整合服務業、數位家庭系統設計工業、安全監控系統工業等相關行業，擔任電腦硬體維修工程師、電子測試工程師、程式設計師、軟體應用工程師、計算機硬體工程師、嵌入式系統工程師、多媒體系統工程師、遊戲機系統工程師、多媒體程式設計師、遊戲軟體程式設計師、韌體設計工程師、網路管理工程師、網路維護工程師 | 相關資訊行業創新、研究開發人員、相關學科研究人員等 |
| 化工科 | 化工群 | 擔任化工及其相關產業有關操作、維護及檢驗等的基層技術人員。 | 擔任化工及其相關產業有關製程、整合、設備、品保、研發與銷售等的幹部或工程師。 | 相 關 行 業 創新、研究開發人員、相關學科 研 究 人 員  等。 |
| 農場經營科 | 農業群 | 農園生產相關產業，  如：農作物栽培場、  休閒農場、 園藝公  司、花藝設計公司、  景觀工程公司等從業  人員及自行創業等。 | 農園生產相關產業，  如：農作物栽培場、休  閒農場、園藝公司、花  藝設計公司、景觀工程  公司、生物科技研究公  司等從業與管理人員及  自行創業等。 | 農園生產相關  產業，如：農作物栽培場、  休閒農場、園  藝公司、花藝  設計公司、景  觀工程公司、  生物科技研究  公司等從業、  管理與研究開  發人員及自行  創業等，國內  外學術機構教  職/研究人員。 |
| 畜產保健科 | 畜牧場、食(肉/乳)品加工廠、飼料廠與藥品廠、動物醫院、動物園、寵物美容、  水產養殖等從業人員及自行創業等。 | 畜牧場、食(肉/乳)品加工廠、飼料廠與藥品廠、動物醫院、動物園、寵物美容、水產養殖等從業及管理人員及自行創業等。 | 畜 牧 場 、 食 (肉/乳)品加工廠、飼料廠與藥品廠、動物醫院、動物園、寵物美容、水產養殖等從業、管理與研究開發人員及自行創業等，國內外學術機構教職/研究人員。 |