

明志科技大學四技部113學年度入學 機械工程系車輛組 課程總表

113/108 校課程委員會審議通過  
113/530 院課程委員會審議通過  
113/521 系課程委員會審議通過

Table with columns: 科目名稱, 一上, 一下, 二上, 二下, 三上, 三下, 四上, 四下, 每班人數, 備註. Rows include: 基礎課程 (22學分), 核心課程 (6學分), 校內共同必修課程 (17學分), 院內必修課程 (40學分), 院內專業必修課程 (53學分), 院內專業選修課程 (123學分), 院內專業選修課程 (46學分). Total credits: 255.

- 1. 畢業最少應修 148 學分。  
2. 三上必修「實習前職場素養訓練」，三下必修「工讀實務(一)-(四)」及「工讀自學英文」共19學分。  
3. 每學期選課上限為 27 學分，大一至大二選課下限為 16 學分，大三、四選課下限為 9 學分。  
4. 三上課程採取濃縮方式(前一週授課時數三小時的課程變更為一週授課四小時)授課。  
5. 必修體育(二)、體育(四)，於大二至大四，採興趣選課教學。  
6. 學生應修第一階段領域課程或第二階段課程，始得畢業。若選修院內專業必修、跨領域專業課程，可申請替代專業必修之「專業製作」課程。  
7. 最低畢業學分認定：修畢第二專長學分學程/跨領域學分學程者：最低畢業學分結構調整為共同必修4學分，通識選修至少8學分(五類型，任選四類各2學分)，院專業必修13學分，系專業必修40學分，專業選修任選至少46學分，合計148學分；已修畢之第二專長學分學程/跨領域學分學程者，採計為系專業選修學分。  
8. 系專業選修分為車輛核心課程模塊(模組A)、智慧電動車輛跨領域學分學程(模組B)、車輛設計課程模塊(模組C)、車輛維修課程模塊(模組D)。其中車輛核心課程模塊(模組A)至少需修習6門課程，其他模組任選。修習機械系其他兩班之專業選修，最多6學分，採計為專業選修學分。  
9. 修習本系專修課程學分學程：「科修專選(一)-(二)」，「科技英文簡報與表(一)-(四)」，和「科技英文閱讀與聽力訓練(一)-(五)」為必修，但英文多益成績達權者(700分)可免修「科技英文閱讀與聽力訓練(一)-(五)」。  
10. 依「大學部學期規定專業應選通專專業能力畢業門檻」詳細請見「機械工程系專業能力畢業門檻暨輔導要點」。  
1. Students must obtain at least 148 credits before graduating.  
2. Students must take 'Professional Prior to Practical Training' in the first semester of the third year, and 'Curricular Practical Training I-IV' and 'Self-study English During Vocational Practice' in the second semester, totaling 19 credits.  
3. For each semester, courses taken may not exceed 27 credits. Freshmen (1st year) and sophomores (2nd year) must take courses with at least 16 credits. Juniors (3rd year) and seniors (4th year) must take courses with at least 9 credits.  
4. During the first semester of the third year, study period will be condensed (lectures that originally took 3 hours a week will be extended to 4 hours a week).  
5. The elective courses 'Physical Education III' and 'Physical Education IV' are offered based on students' interests from sophomore to senior.  
6. Students must complete either an interdisciplinary program or a second-specialization program as one of the graduation requirements.  
Minimum Graduation Credits Requirement: For students who have completed the second major credit program/interdisciplinary credit program, the minimum graduation credit structure is adjusted as follows: 41 credits from common compulsory courses, at least 8 credits from general education elective courses (from five categories, selecting any four categories, 2 credits each), 13 credits from college compulsory courses, 40 credits from department compulsory courses, and at least 46 credits from department elective courses, making 148 credits in total. Credits obtained from the interdisciplinary or the second-specialization program will be counted as credits from department elective courses.  
7. The department's elective courses are divided into the following modules: Vehicle Core Course Module (Module A), Intelligent Electric Vehicle Interdisciplinary Credit Program (Module B), Vehicle Design Courses Module (Module C), and Vehicle Elective Course Module (Module D). Among these, at least 6 courses must be taken from the Vehicle Core Course Module (Module A), while the other modules can be chosen freely. A maximum of 6 credits from the professional electives of other classes within the Mechanical Engineering Department can be counted as professional elective credits.  
8. Honor program students who enroll in this department must take the following courses: 'Senior Capstone Project I, II', 'Scientific Presentation in English', and 'Technical English: Reading and Listening I-V.' Those who have gained TOEIC score of 700 or more may skip 'Technical English: Reading and Listening I-V.'  
9. According to 'Academic Regulations for Undergraduate Studies,' students must pass the department's professional competency threshold. For details, please refer to 'Graduation Requirements for Professional Ability and Guidelines for Students in Department of Mechanical Engineering.'