

明志科技大學四技部112學年度入學 機械工程系光機電組 課程總表

115/01/06 校課程委員會審議通過  
114/12/29 院課程委員會審議通過  
114/11/19 系課程委員會審議通過

1 畢業最少應修 148 學分

三上必修「實習前職場素養訓練」，三下必修「多元學習模組(一)~(四)」，共17學分。

2 三工必修「貢首別職場系養訓練」,三十二必修「多兒學首候組(一)~(四)」共17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（原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(三)、體育(四)，於大二至大四，採興趣選項教學。

6 學生應修畢一跨領域課程或是第二專長學程，始得畢業。若選修院專業選修「跨領域問題課程」，可申請替代專業必修之「專題製作」課程。  
7 最低畢業學分設定：修畢第二專長學分程跨領域學分學程者：最低畢業學分結構調整為共同必修41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，專業選修選修至少46學分，合計48學分；已修畢之第二專長學分程跨領域學分程系外系學分，採計為系專業選修學分。

8 系專業選修分為光機電核心課程模組(模組A)、無人載具跨領域學分課程(模組B)、精密製造課程模組(模組C)、光機電選修課程模組(模組D)。其中光機電核心課程模組(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 經修習本系榮譽學程學生，特色專題(一)~(二)、科技英文閱讀與表現和科技英文閱讀與聽力訓練(一)~(五)為必選，但英文多益成績達標者(700分)可免修科技英文閱讀與聽力訓練(一)~(五)。

10 依大學部學則規定至畢業時，通過系專責能力量能門檻，詳細請見「機械工程系專責能力量能門檻及輔導要點」。

10 依大學學則規定畢業應通過系等專業能力畢業門檻，詳細請見「機械工程系等專業能力畢業門檻及輔等要點」。

- 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 "Multimodal Learning Module" in the second semester, totaling 17 credits.

- 3 For each semester, courses taken may not exceed 27 credits. Freshmen (1st year) and sophomores (2nd year) will 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. If taking the "Interdisciplinary capstone course" from college's elective courses, students can apply to replace the "Special Projects"

7 Minimum Graduation Credit 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.

8 The department's elective courses are divided into the following modules: Opto-Mechatronics Core Courses Module (Module A), Unmanned Vehicle Interdisciplinary Credit Program (Module B), Precision Manufacturing Course Module (Module C), Opto-

Mechatronics Elective Course Module (Module D). Among these, at least 6 courses must be taken from the Precision Machinery Core Courses Module (Module A), while the other modules can be chosen freely. A maximum of 6 credits from the professional electives of the other modules in the Mechanical Engineering Department may be chosen to fulfil the elective credits.

9 Honor program students who enroll to this department must take the following courses as mandatory 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."

10 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