

| 第一學年(115) | | | | | 第二學年(116) | | | | | 第三學年(117) | | | | | | | | | |
|-----------|-----------------|-----|----|-----|-----------|------|-------------------|-----|----|-----------|-----------|------|-------------------|-----|----|-----|----|----|----|
| | 科目 | 上學期 | | 下學期 | | | 科目 | 上學期 | | 下學期 | | | 科目 | 上學期 | | 下學期 | | | |
| | | 學分 | 時數 | 學分 | 時數 | | | 學分 | 時數 | 學分 | 時數 | | | 學分 | 時數 | 學分 | 時數 | | |
| 校必修 | 應用中文(一)(二) | 2 | 2 | 2 | 2 | 校必修 | | | | | 校必修 | | | | | | | | |
| | 商務英文(一)(二) | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | |
| | 小計 | 4 | 4 | 4 | 4 | | 小計 | 0 | 0 | 0 | 0 | | 小計 | 0 | 0 | 0 | 0 | | |
| 院必修 | 程式設計概論 | 2 | 2 | | | 院必修 | | | | | 院必修 | | | | | | | | |
| | 統計學 | | | 3 | 3 | | | | | | | | | | | | | | |
| | 人工智慧概論 | | | 2 | 2 | | | | | | | | | | | | | | |
| | 小計 | 2 | 2 | 5 | 5 | | 小計 | 0 | 0 | 0 | 0 | | 小計 | 0 | 0 | 0 | 0 | | |
| 專業必修 | 校外實習(一)(二)-工作倫理 | 4 | 4 | 4 | 4 | 專業必修 | 校外實習(三)(四)-現場作業實務 | 4 | 4 | 4 | 4 | 專業必修 | 校外實習(五)(六)-現場改善實務 | 4 | 4 | 4 | 4 | | |
| | 管理數學 | 3 | 3 | | | | 人因工程 | 3 | 3 | | | | 品質管理 | 3 | 3 | | | | |
| | 工業工程概論 | 3 | 3 | | | | 統計方法與應用 | 3 | 3 | | | | 物料管理 | 3 | 3 | | | | |
| | 製造工程 | | | 3 | 3 | | 工作研究 | 3 | 3 | | | | 作業研究 | 3 | 3 | | | | |
| | | | | | | | 工業自動化 | | | 3 | 3 | | 品質工程 | | | 3 | 3 | | |
| | | | | | | | 生產管理 | | | 3 | 3 | | 設施規劃 | | | 3 | 3 | | |
| | | | | | | | 成本會計 | | | 3 | 3 | | 工程經濟 | | | 3 | 3 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | 小計 | 10 | 10 | 7 | | 7 | | 小計 | 13 | 13 | | 13 | 13 | | 小計 | 13 | 13 | 13 |
| 專業選修 | | | | | | 專業選修 | 工程報告寫作 | 3 | 3 | | | 專業選修 | 人力資源管理 | 3 | 3 | | | | |
| | | | | | 理化應用 | | 3 | 3 | | | 創意思考概論 | | 3 | 3 | | | | | |
| | | | | | 資訊素養 | | 3 | 3 | | | 統計軟體應用 | | 3 | 3 | | | | | |
| | | | | | 心理學 | | 3 | 3 | | | 企業永續發展 | | 3 | 3 | | | | | |
| | | | | | 工業安全概論 | | | | 3 | 3 | 企業資源規劃 | | | | 3 | 3 | | | |
| | | | | | 市場調查 | | | | 3 | 3 | 半導體製造與管理 | | | | 3 | 3 | | | |
| | | | | | 行銷管理 | | | | 3 | 3 | 溫室氣體管理 | | | | 3 | 3 | | | |
| | | | | | 試算表應用 | | | | 3 | 3 | 工業工程實務與應用 | | | | 3 | 3 | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| 第四學年(118) | | | | | |
|-----------|-------------------|-----|----|-----|----|
| | 科目 | 上學期 | | 下學期 | |
| | | 學分 | 時數 | 學分 | 時數 |
| 校必修 | | | | | |
| | 小計 | 0 | 0 | 0 | 0 |
| 院必修 | | | | | |
| | 小計 | 0 | 0 | 0 | 0 |
| 專業必修 | 校外實習(七)(八)-現場管理實務 | 4 | 4 | 4 | 4 |
| | 小計 | 4 | 4 | 4 | 4 |
| 專業選修 | 生產排程 | 3 | 3 | | |
| | 物流管理 | 3 | 3 | | |
| | 系統分析與設計 | 3 | 3 | | |
| | 供應鏈管理 | 3 | 3 | | |
| | 財務管理 | 3 | 3 | | |
| | 品質管理實務應用 | 3 | 3 | | |
| | 電子商務 | 3 | 3 | | |
| | 專案管理 | | | 3 | 3 |
| | 管理資訊系統 | | | 3 | 3 |
| | 風險管理 | | | 3 | 3 |
| | 組織理論與管理 | | | 3 | 3 |
| | 產業分析 | | | 3 | 3 |
| 精實管理 | | | 3 | 3 | |

| 【科目類別】 | | | |
|-----------|------|-----|-----|
| | | 學分 | 時數 |
| 通識科目、共同科目 | 校必修 | 8 | 8 |
| | 院必修 | 7 | 7 |
| 專業科目 | 專業必修 | 77 | 77 |
| | 專業選修 | 36 | 36 |
| | 合計 | 128 | 128 |

【注意事項】

- 1.最低畢業學分：128 學分，含必修：92，選修 36 學分(本系至少 24 學分，其餘可跨系)。
- 2.一、二、三年級每學期修課16~30學分，四年級每學期修課9~30學分。
- 3.表列專業選修課程，得依實際情況進行調整。
- 4.本表建立於115年3月5日。



**MUST Curriculum Planning for Undergraduate Indigenous Students of Academic Year 2026-2029,
Department of Industrial Engineering and Management**

| 1 st year(115) | | | | | 2 nd year(116) | | | | | 3 rd year(117) | | | | | | | | | | |
|--------------------------------------|---|--------------------------|-----|--------------------------|---------------------------------------|--------------------------------------|--|--------------------------|-----|---------------------------|---|--------------------|---|--------------------------|-----|--------------------------|-----|--|--|--|
| | Course | 1 st semester | | 2 nd semester | | | Course | 1 st semester | | 2 nd semester | | | Course | 1 st semester | | 2 nd semester | | | | |
| | | Cr. | hr. | Cr. | hr. | | | Cr. | hr. | Cr. | hr. | | | Cr. | hr. | Cr. | hr. | | | |
| MUST Core Required Courses | Applied Chinese(I)(II) | 2 | 2 | 2 | 2 | MUST Core Required Courses | | | | | MUST Core Required Courses | | | | | | | | | |
| | Business English(I)(II) | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | 4 | 4 | 4 | 4 | | Subtotal | 0 | 0 | 0 | 0 | | Subtotal | 0 | 0 | 0 | 0 | | | |
| School Professional Required Courses | Introduction to Computers and Programming | 2 | 2 | | | School Professional Required Courses | | | | | School Professional Required Courses | | | | | | | | | |
| | Statistics | | | 3 | 3 | | | | | | | | | | | | | | | |
| | Introduction to Artificial Intelligence | | | 2 | 2 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | 2 | 2 | 5 | 5 | | Subtotal | 0 | 0 | 0 | 0 | | Subtotal | 0 | 0 | 0 | 0 | | | |
| compulsory courses | Practicum Training(I)(II)-Working Ethics | 4 | 4 | 4 | 4 | compulsory courses | Practicum Training(III)(IV)-Shop-Floor Operations Practice | 4 | 4 | 4 | 4 | compulsory courses | Practicum Training(V)(VI)-Shop-Floor Improvement Practice | 4 | 4 | 4 | 4 | | | |
| | Mathematics for Management | 3 | 3 | | | | Human Factors Engineering | 3 | 3 | | | | Quality Management | 3 | 3 | | | | | |
| | Introduction to Industrial Engineering | 3 | 3 | | | | Statistical Methods and Applications | 3 | 3 | | | | Materials Management | 3 | 3 | | | | | |
| | Manufacturing Engineering | | | 3 | 3 | | Work study | 3 | 3 | | | | Facility Planning | 3 | 3 | | | | | |
| | | | | | | | Industrial Automation | | | 3 | 3 | | Quality Engineering | | | 3 | 3 | | | |
| | | | | | | | Production Management | | | 3 | 3 | | Facility Planning | | | 3 | 3 | | | |
| | Subtotal | 10 | 10 | 7 | 7 | | Subtotal | 13 | 13 | 13 | 13 | | Subtotal | 13 | 13 | 13 | 13 | | | |
| Elective Courses | | | | | | Elective Courses | Engineering Report Writing | 3 | 3 | | | Elective Courses | Human Resource Management | 3 | 3 | | | | | |
| | | | | | Application for Physics and Chemistry | | 3 | 3 | | | Introduction to Creative Thinking | | 3 | 3 | | | | | | |
| | | | | | Information Literacy | | 3 | 3 | | | Application of Statistical Package | | 3 | 3 | | | | | | |
| | | | | | Psychology | | 3 | 3 | | | Enterprise for Sustainable Development | | 3 | 3 | | | | | | |
| | | | | | Induction of Industrial Safety | | | | 3 | 3 | Enterprise Resource Planning | | | | 3 | 3 | | | | |
| | | | | | Market Survey | | | | 3 | 3 | The Semiconductor Making and Management | | | | 3 | 3 | | | | |
| | | | | | Marketing Management | | | | 3 | 3 | Certification Assistant Program for POM | | | | 3 | 3 | | | | |
| | | | | | Application of Spreadsheet Softwares | | | | 3 | 3 | Practice and Application of Industrial Engineering and Management | | | | 3 | 3 | | | | |

| 4 th year(118) | | | | | |
|--------------------------------------|---|--------------------------|-----|--------------------------|-----|
| | Course | 1 st semester | | 2 nd semester | |
| | | Cr. | hr. | Cr. | hr. |
| MUST Core Required Courses | | | | | |
| | Subtotal | 0 | 0 | 0 | 0 |
| School Professional Required Courses | | | | | |
| | Subtotal | 0 | 0 | 0 | 0 |
| Department compulsory courses | Practicum Training(VII)(VII)-Shop-Floor Management Practice | 4 | 4 | 4 | 4 |
| | Subtotal | 4 | 4 | 4 | 4 |
| Department Elective Courses | Production Scheduling | 3 | 3 | | |
| | Logistics Management | 3 | 3 | | |
| | Systems Analysis and Design | 3 | 3 | | |
| | Supply Chain Management | 3 | 3 | | |
| | Financial Management | 3 | 3 | | |
| | Application Quality Management Practices | 3 | 3 | | |
| | Electronic Commerce | 3 | 3 | | |
| | Project Management | | | 3 | 3 |
| | Database Management Systems | | | 3 | 3 |
| | Risk Management | | | 3 | 3 |
| | Organization Theory and Management | | | 3 | 3 |
| | Industry Analysis | | | 3 | 3 |
| | Lean Management | | | 3 | 3 |

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 128 credits; Compulsory credits: 92 credits. Elective credits: 36 credits (elective credits include aboriginal culture electives credits and inter-departmental elective credits); the credits of the majors in this department shall not be less than 24 credits.
2. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
3. Elective courses are subject to change if necessary.
4. This form created in Mar. 5, 2026.



工管系李得盛
主任

管理學院林於杏
院長