

Department of Industrial Engineering and Management

Curriculum Requirements for Enrollees in the Academic Year 115 (Fall 2026)

|                                    |                                                                                                                                                  |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------|---------------|-------|
| Program                            | Two-year technical college program of the Division of Continuing Education                                                                       |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Group                              | None                                                                                                                                             |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Class Type                         | Regular Class                                                                                                                                    |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Special Program                    | None                                                                                                                                             |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Curriculum Committee               | Department Curriculum                                                                                                                            | 115.04.17                                       |               |               |                                                                                                                                                              |               |                         |               |       |
|                                    | College Curriculum                                                                                                                               | 115.05.19                                       |               |               |                                                                                                                                                              |               |                         |               |       |
|                                    | University Curriculum                                                                                                                            | 115.06.01                                       |               |               |                                                                                                                                                              |               |                         |               |       |
|                                    | Academic Affairs                                                                                                                                 | 115.06.01                                       |               |               |                                                                                                                                                              |               |                         |               |       |
| Graduation Credits /Study Duration | At least 72 credits required (normally 2 years).                                                                                                 |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Credit Load per Semester           | The minimum number of credits per semester is 9 credits.                                                                                         |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Required and Elective              | Credits                                                                                                                                          | Subject Category                                |               | Credits       |                                                                                                                                                              |               |                         |               |       |
| Required                           | 37.00 Credits                                                                                                                                    | General Education                               |               | 4.00 Credits  |                                                                                                                                                              |               |                         |               |       |
|                                    |                                                                                                                                                  | Major Required                                  |               | 33.00 Credits |                                                                                                                                                              |               |                         |               |       |
|                                    |                                                                                                                                                  | College Major                                   |               | 0.00 Credits  |                                                                                                                                                              |               |                         |               |       |
| Elective                           | 35.00 Credits                                                                                                                                    | General Education<br>Liberal Arts Elective      |               | 0.00 Credits  |                                                                                                                                                              |               |                         |               |       |
|                                    |                                                                                                                                                  | Major Elective                                  |               | 35.00 Credits |                                                                                                                                                              |               |                         |               |       |
|                                    |                                                                                                                                                  | College professional<br>selective courses       |               | 0.00 Credits  |                                                                                                                                                              |               |                         |               |       |
| Graduation                         | Course Title                                                                                                                                     | Description                                     |               |               | Regulations/Notes                                                                                                                                            |               |                         |               |       |
| Practical Project                  | Practical Project                                                                                                                                | According to the regulations of each department |               |               | 1.Regulations for the Implementation of “Practical Projects, Special Projects, Research Projects, and Graduation Design”<br>2.Regulations of Each Department |               |                         |               |       |
| Other Regulations                  |                                                                                                                                                  |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| Remarks                            | "Computer Course" means computer access is required (computer and internet usage fee).<br>Graduation Requirements :<br>「G04」 : Practical Project |                                                 |               |               |                                                                                                                                                              |               |                         |               |       |
| First Semester, Third Year         |                                                                                                                                                  |                                                 |               |               | Second Semester, Third Year                                                                                                                                  |               |                         |               |       |
| Course Category                    | Course Number                                                                                                                                    | Course Name                                     | Credits/Hours | Notes         | Course Category                                                                                                                                              | Course Number | Course Name             | Credits/Hours | Notes |
| General Education                  | 896106                                                                                                                                           | Selective Readings of Chinese Literature        | 2/2           |               | Major Required                                                                                                                                               | 806401        | Operations Research     | 3/3           |       |
| General Education                  | 892106                                                                                                                                           | Practical English                               | 2/2           |               | Major Required                                                                                                                                               | 806404        | Quality Management      | 3/3           |       |
| Major Required                     | 806402                                                                                                                                           | Statistics                                      | 3/3           |               | Major Required                                                                                                                                               | 806428        | Work Study              | 3/3           |       |
| Major Required                     | 806411                                                                                                                                           | Accounting                                      | 3/3           |               | Major Required                                                                                                                                               | 806430        | Application of Internet | 3/3           |       |
| Major Required                     | 806416                                                                                                                                           | Production and Operations Management            | 3/3           |               | Major Elective                                                                                                                                               | 806822        | Engineering Economy     | 3/3           |       |
| Major Required                     | 806434                                                                                                                                           | Manufacturing Processes                         | 3/3           |               | Major Elective                                                                                                                                               | 806872        | Material Management     | 3/3           |       |

| Major Elective              | 806873        | Management                        | 2/2           |       | Major Elective               | 806882        | Information analysis         | 3/3           |       |
|-----------------------------|---------------|-----------------------------------|---------------|-------|------------------------------|---------------|------------------------------|---------------|-------|
|                             |               |                                   |               |       |                              |               |                              |               |       |
| 18 Credits, 18 Hours        |               |                                   |               |       | 21 Credits, 21 Hours         |               |                              |               |       |
| First Semester, Fourth Year |               |                                   |               |       | Second Semester, Fourth Year |               |                              |               |       |
| Course Category             | Course Number | Course Name                       | Credits/Hours | Notes | Course Category              | Course Number | Course Name                  | Credits/Hours | Notes |
| Major Required              | 806406        | Facilities Planning               | 3/3           |       | Major Required               | 806431        | Human Factors Engineering    | 3/3           |       |
| Major Elective              | 806806        | Industrial Safety and Hygiene     | 3/3           |       | Major Required               | 806432        | Project in Practice          | 3/3           | G04   |
| Major Elective              | 806816        | Quality Assurance                 | 3/3           |       | Major Elective               | 806812        | Inventory Management         | 3/3           |       |
| Major Elective              | 806833        | Computer Integrated Manufacturing | 3/3           |       | Major Elective               | 806838        | Human Resource Management    | 3/3           |       |
| Major Elective              | 806836        | Financial Management              | 3/3           |       | Major Elective               | 806840        | Enterprise resource planning | 3/3           |       |
| Major Elective              | 806843        | E-commerce                        | 3/3           |       | Major Elective               | 806856        | Supply Chain Management      | 3/3           |       |
| Major Elective              | 806867        | Logistics Management              | 3/3           |       | Major Elective               | 806859        | Organizational Behavior      | 2/2           |       |
| Major Elective              | 806868        | Management Case Study             | 3/3           |       | Major Elective               | 806869        | Strategy Management          | 2/2           |       |
| Major Elective              | 806870        | Managerial Economics              | 3/3           |       | Major Elective               | 806875        | Total Quality Management     | 3/3           |       |
| Major Elective              | 806874        | Marketing Management              | 3/3           |       | Major Elective               | 806876        | Project Management           | 3/3           |       |
|                             |               |                                   |               |       |                              |               |                              |               |       |
| 30 Credits, 30 Hours        |               |                                   |               |       | 28 Credits, 28 Hours         |               |                              |               |       |