

## Management and Engineering for Manufacturing

Catalog Year 2024-2025

*Note: This is a recommended sequence and shifts are likely to occur due to prerequisite completion and course availability.*

| Semester One                                 | Semester Two                                      |
|--|---|
| CHEM 1127Q: General Chemistry I (4 credits)  | CSE 1010: Intro to Computing for ENGR (3 credits) |
| MATH 1131Q: Calculus I (4 credits)           | ECON 1202: Prin. Of Macro (CA 2)(3 credits)       |
| MEM 1151: Intro to MEM (3 credits)           | MATH 1132Q: Calculus II (4 credits)               |
| ECON 1201: Prin. Of Micro (CA 2) (3 credits) | STAT 1100Q/1000Q: Elem. Statistics (4 credits)    |
| Gen Ed* (3 credits)                          | ENGL 1007: Writing and Composition (4 credits)    |
| <b>17 credits</b>                            | <b>18 credits</b>                                 |

| Semester Three  | Semester Four  |
|---|--|
| MEM 2211: Intro to Manuf. Systems (3 credits)             | PHIL 1104: Social Ethics (CA 1) (3 credits)          |
| MEM 2212 <b>or</b> 2213: Manuf. Systems Lab (1-3 credits) | ACCT 2001: Prin. Of Financial Accounting (3 credits) |
| MATH 2110Q: Multivariable Calculus (4 credits)            | MATH 2410Q: Elem. Differential Equations (3 credits) |
| PHYS 1501Q: Physics for Engineers I (4 credits)           | PHYS 1502Q: Physics for Engineers II (4 credits)     |
| CE 2110: Applied Mechanics I (3 credits)                  | Gen Ed* (3 credits)                                  |
| <b>17 credits</b>   | <b>16 credits</b>                                    |

| Semester Five   | Semester Six                                       |
|---|--|
| MEM 3221: Intro to Products & Processes (3 credits)     | MEM 3231: Comp. in Manufacturing (3 credits)       |
| ACCT 2101: Prin. Of Managerial Accounting (3 credits)   | FNCE 3101: Financial Management (3 credits)        |
| OPIM 3603: Princ. Project Management (3 credits)        | ME 3227: Design of Machine Elements (3 credits)    |
| ENGR 3215: Statistical Quality Control (3 credits)      | MSE 2101: Materials Science & Engin. I (3 credits) |
| ECE 2000: Electrical & Comput. Engin. Prin. (3 credits) | MENT 3101: Manag. & Interp. Behav. (3 credits)     |
| CE 3110: Mechanics of Materials (3 credits)             | ME 2233: Thermodynamic Principles (3 credits)      |
| <b>18 credits</b>                                       | <b>18 credits</b>                                  |

| Semester Seven   | Semester Eight                                      |
|--|---|
| MEM 4971W: Senior Design I (2 credits)                 | MEM 4972W: Senior Design II (2 credits)             |
| MEM 4225: Adv. Products & Processes (3 credits)        | ENGR Elective (3 credits)                           |
| BLAW 3175: Legal & Ethic. Env. Of Business (3 credits) | MKTG 3101: Intro to Marketing Manag. (3 credits)    |
| ME 3221: Manufacturing Automation (3 credits)          | MENT 4900: Strategy, Policy, & Planning (3 credits) |
| ME 3263: Intro. To Sensors & Data (3 credits)          | BUSN Elective (3 credits)                           |
| Gen Ed* (3 credits)                                    | Gen Ed* (3 credits)                                 |
| <b>17 credits</b>                                      | <b>17 credits</b>                                   |

*\*See reverse for important general education and major specific information.*

**Total Credits: 138**

## General Education Requirements

| Requirement   | Course  | Semester | Grade |
|---|---|----------|-------|
| Content Area 1:<br>Arts & Humanities                          | PHIL 1104: Philosophy and Social Ethics   |          |       |
|   | HIST 1201, 1400, 1501, 1502, 1600 or 1800<br><i>circle one</i>  |          |       |
| Content Area 2:<br>Social Sciences                            | ECON 1201 & 1202: Princ of Micro/Macro  |          |       |
|   | Select one double dipper course -<br>ANTH 1000/W; GEOG 1700, 2000;<br>HRTS 1007; POLS 1202, 1207; WGSS 2124 |          |       |
| Content Area 4:<br>Diversity & Multicult.                     | *any CA 4   |          |       |
| Environmental Literacy<br>Course **                           |   |          |       |
| Foreign Language: 3+ years at the High School Level <b>OR</b> |   |          |       |
| Elementary One  |   |          |       |
| Elementary Two  |   |          |       |

\*A list of applicable Content Area 4 courses may be found here:

<https://catalog.uconn.edu/undergraduate/gen-ed-requirements/#four>

\*\*Environment Literacy Courses that overlap CA 4:

ANTH 1010E, 3340E; GEOG 2350E, 2400E; HIST 2222E; MAST 1300E; NRE 2600E