

**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 or 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**



## MEM General Education Requirements Check List

Qualifying MPE Score: \_\_\_\_\_

\*22+ needed to register for MATH 1131Q and MATH 1132Q

### Competencies:

Language met

If not met:

- Elementary I \_\_\_\_\_ AND Elementary II \_\_\_\_\_
- OR Intermediate I \_\_\_\_\_

ENGL 1007 or 1010 or 1011

Writing (W course): MEM 4971W

Writing (W course): MEM 4972W

Environmental Literacy (E course): \_\_\_\_\_

*Recommend to complete E course with CA4 – see course options below*

### Content Area One: Arts and Humanities:

PHIL 1104

One from: HIST 1201, 1400, 1501, 1502, 1600 (LLAS 1190), 1800, or 3705

### Content Area Two: Social Sciences:

ECON 1201 and 1202

One from: ANTH 1000; GEOG 1700, 2000; HRTS 1007; POLS 1202, 1207; WGSS 2124

### Content Area 4: Diversity and Multiculturalism:

Covered by the CA2/4-international course chosen above

One additional CA4 course (Recommended list below): \_\_\_\_\_  
*ANTH 1010E, 3340E; GEOG 2350E, 2400E; HIST 2222E; MAST 1300E; NRE 2600E*

### Important Notes:

To avoid taking additional courses, you must take the courses listed above

University policy can be found at: <https://catalog.uconn.edu/undergraduate/gen-ed-requirements/>

Content Area 3 met by lab sciences required for your major