

MANAGEMENT ENGINEERING MAJOR

Program Tracking Sheet

Effective for students entering AY 2021-2022

| | |
|----------|------------------------|
| Name: | Class Year: |
| Advisor: | 2 nd Major: |

NOTES: Minimum total academic credit = 15 units

Residency Req.: Min. of 8 units must be completed at WPI

HUMANITIES AND ARTS (2 units)

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum.

Depth Component

Students must complete at least three thematically-related courses prior to the culminating Inquiry Seminar or Practicum in the same thematic area. At least one of the three courses should be at the 2000-level or above.

| | Course | Term | Grade | Units |
|---|--------------------|------|-------|-------|
| 1 | | | | 1/3 |
| 2 | | | | 1/3 |
| 3 | | | | 1/3 |
| 4 | HU 3900 or HU 3910 | | | 1/3 |

Breadth Component

Students must take at least one course outside the grouping in which they complete their depth component. To identify breadth, courses are grouped in the following manner.

- i. art/art history, drama/theatre, and music (AR, EN/TH, MU);
- ii. foreign languages (AB, CN, EN, GN, SP);
- iii. literature and writing rhetoric (EN, WR, RH);
- iv. history and international studies (HI, HU, INTL);
- v. philosophy and religion (PY, RE).

Exception: May take all six courses in a foreign language

| | | | | |
|--|--|--|--|-----|
| | | | | 1/3 |
|--|--|--|--|-----|

Humanities Elective

| | | | | |
|--|--|--|--|-----|
| | | | | 1/3 |
|--|--|--|--|-----|

PHYSICAL EDUCATION (4 PE classes = 1/3 unit)

| | | | | |
|---|--|--|--|------|
| 7 | | | | 1/12 |
| | | | | 1/12 |
| | | | | 1/12 |
| | | | | 1/12 |

SOCIAL SCIENCE (2/3 unit) The Social Science requirement is satisfied by Micro and Macroeconomics, which are required for Business Foundation.

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 8 | | | | 1/3 |
| 9 | | | | 1/3 |
| 10 | | | | 1/3 |

FREE ELECTIVES (5/3 unit)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 11 | | | | 1/3 |
| 12 | | | | 1/3 |
| 13 | | | | 1/3 |
| 14 | | | | 1/3 |
| 15 | | | | 1/3 |

BUSINESS FOUNDATION (11/3 units) (Note 1)

The courses in the chart below are required. Microeconomics and Macroeconomics also fulfill the WPI Social Science Requirement.

| | | | | |
|----|----------|--|--|-----|
| | | | | 1/3 |
| 16 | BUS 1010 | | | 1/3 |
| 17 | BUS 1020 | | | 1/3 |
| 18 | BUS 2020 | | | 1/3 |
| 19 | BUS 2060 | | | 1/3 |
| 20 | BUS 2070 | | | 1/3 |
| 21 | BUS 2080 | | | 1/3 |
| 22 | BUS 3010 | | | 1/3 |

| | | | | |
|----|----------------|--|--|-----|
| | | | | 1/3 |
| 23 | BUS 3020 | | | 1/3 |
| 24 | BUS 4030 | | | 1/3 |
| 25 | Microeconomics | | | 1/3 |
| 26 | Macroeconomics | | | 1/3 |

MATHEMATICS (4/3 units)

Must include 2/3 units of calculus and 2/3 units of statistics.

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 27 | | | | 1/3 |
| 28 | | | | 1/3 |
| 29 | | | | 1/3 |
| 30 | | | | 1/3 |

BASIC SCIENCE (2/3 units) (BB, CH, PH, GE)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 31 | | | | 1/3 |
| 32 | | | | 1/3 |

MANAGEMENT ENGINEERING MAJOR (6/3 units) (Note 2)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 33 | | | | 1/3 |
| 34 | | | | 1/3 |
| 35 | | | | 1/3 |
| 36 | | | | 1/3 |
| 37 | | | | 1/3 |
| 38 | | | | 1/3 |

BREADTH ELECTIVES (3/3 unit) (Note 3)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 39 | | | | 1/3 |
| 40 | | | | 1/3 |
| 41 | | | | 1/3 |

COMPUTER SCIENCE (1/3 unit)

A minimum of 1/3 unit of Computer Science (except CS 2022 and CS 3043). CS 1004, CS 1101, or CS 1102 is recommended.

| | | | | |
|--|--|--|--|-----|
| | | | | 1/3 |
|--|--|--|--|-----|

MANAGEMENT ENG. MAJOR QUALIFYING PROJECT (3/3 unit)

| | | | | |
|----|--|--|--|-----|
| | | | | 1/3 |
| 42 | | | | 1/3 |
| 43 | | | | 1/3 |
| 44 | | | | 1/3 |
| 45 | | | | 1/3 |

Note 1: Courses may not be counted more than once in meeting these distribution requirements.

Note 2: Must complete six courses from one of the concentrations as specified below:

- BIOMEDICAL ENGINEERING
- CHEMISTRY
- CIVIL ENGINEERING
- ELECTRICAL AND COMPUTER ENGINEERING
- MANUFACTURING ENGINEERING
- MECHANICAL ENGINEERING
- OPERATIONS MANAGEMENT
- Custom MGE Program

More information can be found in the Undergraduate Course Catalog, under Program Distribution Requirements for the Management Engineering Major.

Note 3: Must include at least one 3000- or 4000-level course from ACC, BUS, ETR, FIN, MIS, MKT, OBC, OIE. The remaining 2/3 units may be satisfied with courses from ACC, BB, BUS, CH, CS, ECON, ENV, ETR, FIN, GE 2341, GOV, MA, MIS, MKT, OBC, PH, PSY, SD, SOC, SS ,STS.