B.S.M.S. E. Curriculum

Last Update: April 2022

All MMAE courses run in both the Fall and Spring semesters except for the following:

**Fall Only**
- MMAE 100, MMAE 365, MMAE 370, MMAE 373
- MMAE 470, MMAE 476, MMAE 485

**Spring Only**
- MMAE 372, MMAE 463
- MMAE 465, MMAE 472

**Prerequisite**
- MMAE 100, MMAE 365, MMAE 370, MMAE 373
- MMAE 463

**Corequisite**
- MMAE 315 (weeks 1-8), MMAE 419 (weeks 9-10), MMAE 373 (weeks 11-15)

Note that “S” courses from at least two different fields are required.

“H” designates humanities courses in the fields of HUM, HIST, LIT, PHIL, AAH.

“S” designates social sciences courses in the fields of SSCI, SOC, PSYC, PS, ECON.

@ MMAE 445, 450, 451, 453 are among the tech electives offered by the department.

1. Fall (15 credits)
   - MATH 151 (4-1-5)
   - CHEM 124 (3-3-4)
   - MMAE 100 (1-4-3)
   - HUM 2XX (3-0-3)

2. Spring (17 credits)
   - MATH 152 (4-1-5)
   - PHYS 123 (3-3-4)
   - MS 201 (3-0-3)
   - CS 104 (2-1-2)
   - H 3XX (3-0-3)

3. Fall (17 credits)
   - MATH 251 (4-0-4)
   - MMAE 202 (3-0-3)
   - PHYS 221 (3-3-4)
   - MMAE 232 (3-1-3)

4. Spring (16 credits)
   - MATH 252 (4-0-4)
   - MMAE 350 (3-0-3)
   - PHYS 224 (3-0-3)
   - Free Elec. (3-0-3)
   - S 3XX (3-0-3)

5. Fall (16 credits)
   - MMAE 320 (3-0-3)
   - MMAE 365 (3-0-3)
   - MMAE 370 (1-6-3)
   - MMAE 372 (2-3-3)
   - S 3XX (3-0-3)

6. Spring (15 credits)
   - Free Elec. (3-0-3)
   - MMAE 463 (3-0-3)
   - MMAE 465 (3-0-3)
   - MMAE 373 (2-6-4)
   - S 3XX (3-0-3)

7. Fall (15 credits)
   - MMAE 470 (3-0-3)
   - IPRO - I (1-6-3)
   - Tech. Elec. (3-0-3)
   - MMAE 476 (1-6-3)

8. Spring (15 credits)
   - Eng. Elec. (3-0-3)
   - IPRO - II (1-6-3)
   - Tech. Elec. (3-0-3)
   - MMAE 472 (3-0-3)
   - H/S XXX (3-0-3)

Total 126 credits

*MMAE 100 or sophomore standing are prerequisite for MMAE 232.

^Requires taking MMAE 315 (weeks 1-8), MMAE 419 (weeks 9-10), MMAE 373 (weeks 11-15).

#Note that “S” courses from at least two different fields are required.

STEM Module (38 ch)
- MMAE Module (46 ch)
- Human Sciences Module (21 ch)
- Free Elec. (6 ch)
- Tech/Eng Elec. (9 ch) + IPRO (6 ch)