B.S.M.S. E. Curriculum
Last Update: July 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

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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)

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 Elect. (3-0-3)

5. **Fall**
   - 16 credits
   - MMAE 320 (3-0-3)
   - MMAE 365 (3-0-3)
   - MMAE 370 (1-6-3)
   - MMAE 373 (2-6-4)

6. **Spring**
   - 15 credits
   - Free Elect. * (3-0-3)
   - MMAE 463 (3-0-3)
   - MMAE 465 (3-0-3)
   - MMAE 372 (2-3-3)

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)

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