B.S.A.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 311, MMAE 312
- MMAE 315, MMAE 410, MMAE 411
- MMAE 414

**Spring Only**
- MMAE 304, MMAE 352, MMAE 372
- MMAE 412, MMAE 415

**Prerequisite**

**Corequisite**

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

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

3. Fall
   - (17 credits)
   - MATH 251 (4-0-4)
   - PHYS 221 (3-3-4)
   - MMAE 202 (3-0-3)
   - S XXX (3-0-3)
   - H 3XX (3-0-3)

4. Spring
   - (16 credits)
   - MATH 252 (4-0-4)
   - MMAE 313 (3-0-3)
   - Free Elect. (3-0-3)
   - MMAE 320 (3-0-3)
   - S 3XX (3-0-3)

5. Fall
   - (15 credits)
   - MMAE 315 (2-6-4)
   - MMAE 350 (3-0-3)
   - MMAE 311 (3-0-3)
   - MMAE 312 (3-0-3)
   - Free Elect. (3-0-3)

6. Spring
   - (16 credits)
   - MMAE 304 (3-0-3)
   - MMAE 305 (3-0-3)
   - S 3XX (3-0-3)
   - MMAE 352 (3-0-3)
   - MMAE 372 (3-0-3)

7. Fall
   - (16 credits)
   - IPRO - I (1-6-3)
   - MMAE 443 (3-0-3)
   - MMAE 411 (2-3-3)
   - MMAE 414 (3-0-3)
   - IPRO - II (1-6-3)

8. Spring
   - (15 credits)
   - MMAE 415 (2-6-4)
   - MMAE 412 (2-3-3)
   - Tech. Elect. +
   - MMAE 410 (3-0-3)
   - H/S XXX (3-0-3)

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Total:
127 credits

*MMAE 315 can be replaced by MMAE 319.

#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 are among the tech electives offered by the department.

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- STEM Module (35 ch)
- MMAE Module (56 ch)
- Human Sciences Module (21 ch)
- Free Elect. (6 ch)
- Tech. Elect. (3 ch) + IPRO (6 ch)