1st Semester 16 Credits
- CHEM 110* [3 Credits]
- ECON 102 or 104 [3 Credits]
- EDSGN 100 [3 Credits]
- ENGL 015 or ENGL 030 or ESL 015 or ENGL 137** [3 Credits]
- MATH 140*# or MATH 140E [4 Credits]

2nd Semester 16 Credits
- CHEM 111 [1 Credit]
- ESC 261M or CMPSC 201 [3 Credits]
- CAS 100 A/B or ENGL 138T** [3 Credits]
- FYS [1 Credit]
- MATH 141*# or MATH 141E [4 Credits]
- PHYS 211*# [4 Credits]

3rd Semester 18 Credits
- EMCH 210H* [5 Credits]
- MATH 220 [4 Credits]
- MATH 230 [4 Credits]
- PHYS 212*# [4 Credits]
- PHYS 214* [2 Credits]
- GEN ED [3 Credits]

4th Semester 16 Credits
- EMCH 212H** [3 Credits]
- MATH 251*# [4 Credits]
- ME 302** [4 Credits]
- GEN ED [3 Credits]
- ESC 433H [1 Credit]

5th Semester 17 Credits
- ECON 210 [4 Credits]
- MATH 015 [3 Credits]
- ENGL 202C (ENGL 015 is Prerequisite) [3 Credits]
- ENGL 015 [3 Credits]
- ENGL 030 [3 Credits]
- GEN ED [3 Credits]

6th Semester 16 Credits
- MATH 025 or MATH 251 [4 Credits]
- ENGL 202C (ENGL 015 is Prerequisite) [3 Credits]
- ENGL 203C [3 Credits]
- ENGL 015 [3 Credits]
- ENGL 030 [3 Credits]
- TECHNICAL ELECTIVE [3 Credits]

7th Semester 16.5 Credits
- MATH 110 [5 Credits]
- TECHNICAL ELECTIVE [3 Credits]
- TECHNICAL ELECTIVE [3 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]

8th Semester 15.5 Credits
- MATH 110 [5 Credits]
- TECHNICAL ELECTIVE [3 Credits]
- TECHNICAL ELECTIVE [3 Credits]
- GEN ED [3 Credits]
- GEN ED [3 Credits]

Foundational Electives (FE) with prerequisites
- Core (Select 3-5 Courses)
  - CHEM 112 (3cr)
  - CHEM 110
  - AERSP 308H (3cr) [SP]
  - EMCH 212, MATH 251
  - EMCH 416H (3cr) [SP]
  - EMCH 213 or 210
  - ESC 400H (3cr) [SP]
  - EE 210, MATH 250
  - ESC 419 (3cr) [SP]
  - ESC 312
- Alternative FE (0-2 Courses)
  - Departmental list contains courses from AERSP, AE, BE, BMB, BME, BIOL, CE, CHE, CHEM, CMPEN, CMPSC, EE, ESC, EGEE, ENGR, IE, ME, MATH, MATSE, METEO, NUCE, and others by petition.

Spring Only Courses
- Che [3 Credits]
- Electives [3 Credits]

Fall Only Courses
- Che [3 Credits]
- Electives [3 Credits]

# Entrance to major is a prerequisite
* Course requires a grade of C or better for the major
# Course requires an Entrance to Major requirement
** ENGL 137H is a prerequisite for ENGL 138T
~ An alternate course is available the other semester
--- = Prerequisite or Concurrent
--- = Prerequisite

Updated: 3/8/18
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