## Sample Curriculum – BSME/MSME Shared Credit Program

### Freshman – 1st semester 17 credit hours
- Chem 121 General Chemistry (3)
- Chem 123L General Chemistry Lab (1)
- Engl 110 Accelerated Composition (3)
- ME 160L Mech Engr Design I (3)
- Math 162 Calculus I (4)
- Core Fine Arts Elective (3)

### Freshman – 2nd semester 17 credit hours
- Engl 120 Composition III (3)
- Phyc 160 General Physics I (3)
- Phyc 160L General Physics Lab (1)
- Math 163 Calculus II (4)
- CS 151L Computer Prog Fund (3)
- Core Humanities Elective (3)

### Sophomore – 1st semester 16 credit hours
- ME 260L Mech Engr Design II (3)
- CE 202 Engineering Statics (3)
- Phyc 161 General Physics II (3)
- Math 264 Calculus III (4)
- ME 217 Energy, Enviro And Soc (3)

### Sophomore – 2nd semester 16 credit hours
- ME 306 Dynamics (3)
- ECE 203L Circuit Analysis (3)
- Math 316 Applied Ord Diff Eqns (3)
- ME 318L Mech Engr Lab (4)
- Core Writing & Speaking Elective (3)

### Junior – 1st semester 16 credit hours
- ME 317L Fluid Mech (4)
- ME 301 Thermodynamics (3)
- CE 302 Mechanics of Materials (3)
- Math Electives (3)
- Core Humanities Elective (3)

### Junior – 2nd semester 16 credit hours
- ME 360L Mech Engr Design III (3)
- ME 357 Intro to Mech Vibrations (3)
- ME 370L Engr Materials Science (4)
- Econ 105 Intro to Macroeconomics (3)
- Core Second Language Elective (3)

### Senior – 1st semester 13 credit hours
- ME 320L Heat Transfer (4)
- ME 459 Mech Engr Design IV (3)
- ME 380 Mech Control Systems (3)
- Graduate Core or Elective (3)

### Senior – 2nd semester 13 credit hours
- ME 460 Mech Engr Design V (4)
- Graduate Core or Elective (3)
- Graduate Core or Elective (3)
- Graduate Core or Elective (3)

### Graduate – 1st semester
- ME 591 Graduate Seminars (0)
- Graduate Core or Elective (3)
- Graduate Core or Elective (3)
- [Plan I] ME 599 Master Thesis (3)
- [Plan II] Graduate Core or Elective (3)
- [Plan II] Graduate Core or Elective (3)

### Graduate – 2nd semester
- ME 592 Graduate Seminars (1)
- Graduate Core or Elective (3)
- Graduate Core or Elective (3)
- [Plan I] ME 599 Master Thesis (3)
- [Plan II] ME 559 Design Project (3)