

## Sample Curriculum – BSME/MSME Shared Credit Program

### Freshman – 1<sup>st</sup> 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)

### Sophomore – 1<sup>st</sup> 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)

### Junior – 1<sup>st</sup> 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)

### Senior – 1<sup>st</sup> 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)

### Graduate – 1<sup>st</sup> 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)

### Freshman – 2<sup>nd</sup> 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 – 2<sup>nd</sup> 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 – 2<sup>nd</sup> 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 – 2<sup>nd</sup> 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 – 2<sup>nd</sup> 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)