

BSME – FSAE Track

General Education:	Credits	18 Credits	
Communications: ENGL 1120 or Your Choice	3	If you test out of ENGL 1120, you choose a different 3-credit communications class.	
Communications: Your Choice	3		
Humanities A: Your Choice	3		
Humanities B: Your Choice	3		
Fine Arts: Your Choice	3		
Critical Analyses of US & Global Cultures	3		
Pre-Admission:		22 Credits	
MATH 1512: Calculus I (Gen Ed Math)	4		
ENGL 130L: Intro to Engineering Computing	3		
CHEM 1215: General Chemistry I (Gen Ed Sci)	3		
CHEM 1215L: General Chemistry I Lab	1		
MATH 1522: Calculus II	4		
PHYS 1310: Calculus-Based Physics I	3		
PHYS 1310L: Calculus-Based Physics I Lab	1		
ME 160L: Mechanical Engineering Design I	3		
Program-Specific Courses		63 Credits	
ME 260L: ME Design II	3	ME 217 (also called GEOG 2170 in spring) counts as BOTH a program-specific course & for your Social & Behavioral Science Gen Ed.	
ME 217: Intro Env., Science, & Tech (Gen Ed Soc/Beh)	3		
MATH 2531: Calculus III	4		
CE 202: Engineering Statics	3		
PHYS 1320: Calc-based Physics II	3		
PHYS 1320L: Calc-based Physics II Lab	1		
ME 306: Dynamics	3		
MATH 316: Differential Equations	3		
ECE 203: Circuit Analysis I	3		
ME 318L: Mechanical Engr Lab	4		
ME 317L: Fluid Mechanics Lab	4		
ME 301: Thermodynamics	3		
ME 357: Intro to Mech Vibrations	3		
CE 302: Mechanics of Materials	3		
Math Elect - 311, 312, 313, 314, or Stat 345	3		
ME 360L: ME Design III	3		
ME 370L: Engr Materials Science	4		
ME 380: Mech Control Systems	3		
ME 320L: Heat Transfer	4		
ME 459: ME Design IV	3		
FSAE Track Courses:			22 Credits
ME 406L: FSAE Racecar Design	4		ME Electives: any 300 or 400 level ME course not required for the major
ME 407: Fabrication Lab	3		
ME 408: Racecar Test Lab	3	ME Tech Elective: any 300 or 400 level courses not required for the major. Can be in ME, Math, Statistics, Chemistry, Physics, Computer Science, and Engineering. Does not include CR/NC.	
ME Elective: ME 300+	3		
ME Elective: ME 300+	3		
ME Elective: ME 300+	3	Remember that ME 406L & ME 408 are only offered during spring semesters, ME 407 is only offered during fall semesters	
ME Tech Elective* 300+ OR ME 150	3		
Total:		125 Credits	

BSME – Senior Design

General Education:	Credits	18 Credits
Communications: ENGL 1120 or Your Choice	3	If you test out of ENGL 1120, you choose a different 3-credit communications class.
Communications: Your Choice	3	
Humanities A: Your Choice	3	
Humanities B: Your Choice	3	
Fine Arts: Your Choice	3	
Critical Analyses of US & Global Cultures	3	
Pre-Admission:		22 Credits
MATH 1512: Calculus I (Gen Ed Math)	4	
ENGL 130L: Intro to Engineering Computing	3	
CHEM 1215: General Chemistry I (Gen Ed Sci)	3	
CHEM 1215L: General Chemistry I Lab	1	
MATH 1522: Calculus II	4	
PHYS 1310: Calculus-Based Physics I	3	
PHYS 1310L: Calculus-Based Physics I Lab	1	
ME 160L: Mechanical Engineering Design I	3	
Program-Specific Courses		63 Credits
ME 260L: ME Design II	3	ME 217 (also called GEOG 2170 in spring) counts as BOTH a program-specific course & for your Social & Behavioral Science Gen Ed.
ME 217: Intro Env., Science, & Tech (Gen Ed Soc/Beh)	3	
MATH 2531: Calculus III	4	
CE 202: Engineering Statics	3	
PHYS 1320: Calc-based Physics II	3	
PHYS 1320L: Calc-based Physics II Lab	1	
ME 306: Dynamics	3	
MATH 316: Differential Equations	3	
ECE 203: Circuit Analysis I	3	
ME 318L: Mechanical Engr Lab	4	
ME 317L: Fluid Mechanics Lab	4	
ME 301: Thermodynamics	3	
ME 357: Intro to Mech Vibrations	3	
CE 302: Mechanics of Materials	3	
Math Elect - 311, 312, 313, 314, or Stat 345	3	
ME 360L: ME Design III	3	
ME 370L: Engr Materials Science	4	
ME 380: Mech Control Systems	3	
ME 320L: Heat Transfer	4	
ME 459: ME Design IV	3	
Senior Design Track Courses:		22 Credits
ME 460: ME Design V	4	ME Electives: any 300 or 400 level ME course not required for the major
ME Elective: ME 300+	3	
ME Elective: ME 300+	3	ME Tech Elective: any 300 or 400 level courses not required for the major. Can be in ME, Math, Statistics, Chemistry, Physics, Computer Science, and Engineering. Does not include CR/NC.
ME Elective: ME 300+	3	
ME Elective: ME 300+	3	
ME Elective: ME 300+	3	Non-FSAE track students can still take ME 406L, ME 407, and ME 408
ME Elective: ME 300+	3	
ME Tech Elective* 300+ OR ME 150	3	
Total:		125 Credits