

**BSME Degree  
Department of Engineering**



Effective Date: Fall 2003

All engineering & technical elective courses must have a combined minimum GPA of 2.0

Course sequencing follows the academic year, and assumes beginning the program in the Fall Semester.

P = Pre-requisite, C = Co-Requisite

For more information visit <http://www.engr.ipfw.edu>

1 <sup>st</sup> Semester 16 credits	<b>MA 165 (4)</b> (P: MA 151 or MA 154, or placement) ("C" or better)	<b>CHM 115 (4)</b> (P: CHM 111 or 1 yr. H.S.) (C: MA 153 or MA 151)	<b>ENGR 101 (1)</b>  <b>Area V</b>	<b>ENGR 120 (2)</b> (P: MA 153)  <b>Area V</b>	<b>ENGR 121 (2)</b> (P: MA 153) (C: ENGR 120)	<b>COM 114 (3)</b> ("C" or better)
2 <sup>nd</sup> Semester 17 credits	<b>MA 166 (4)</b> (P: MA 165) ("C" or better)	<b>PHYS 152 (5)</b> (C: MA 166)	<b>ENGR 122 (2)</b> (P: ENGR 101, ENGR 121, MA 151 or MA 154)	<b>ENGR 199 (3)</b> (C: ENGR 122)  2D	<b>ENG W131 (3)</b> (P: ENG W130 or placement) ("C" or better)	
3 <sup>rd</sup> Semester 15 credits	<b>MA 261 (4)</b> (P: MA 166) ("C" or better)	<b>MA 351 (3)</b> (P: MA 166) ("C" or better)	<b>PHYS 251 (5)</b> (P: PHYS 152) (C: MA 261)	<b>ME 250 (3)</b> (P: PHYS 152) ENGR 199 (C: MA 261)		
4 <sup>th</sup> Semester 15 credits	<b>MA 363 (3)</b> (P: MA 351)	<b>ME 251 (3)</b> (P: ME 250) (C: MA 363)	<b>ME 200 (3)</b> (C: MA 261))  0.5 D	<b>ME 252 (3)</b> (P: ME 250) (C: MA 363)  0.5 D	<b>ECE 201 (3)</b> (C: MA 261)	
5 <sup>th</sup> Semester 17 credits	<b>ME 318 (3)</b> (P: ME 200, ME 251, MA 363)  0.5D	<b>ME 361 (3)</b> (P: ME 251)  1D	<b>ME 303 (2)</b> (P: CHM 115, ME 252, PHYS 251)	<b>ME 280 (3)</b> (P: ECE 201, ENGR 199) (C: ME 281)  <b>ME 281 (1)</b> (C: ME 280) 3D	<b>ME 282 (2)</b> (P: COM 114, ENG W131) (C: ME 200, ME 252)	<b>General Education (3)</b>  <b>Area III</b>
6 <sup>th</sup> Semester 14 credits	<b>ME 301 (3)</b> (P: ME 200)  0.5D	<b>ME 304 (1)</b> (P: ME 282, ME 303)	<b>ME 319 (1)</b> (P: ME 282, ME 318)  0.5 D	<b>ME 321 (3)</b> (C: ME 318)  0.5D	<b>ME 369 (3)</b> (P: ME 361, ME 252, ME 303) (C: ME 304)  1.5 D	<b>ECON E 201 (3)</b>  <b>Area III</b>
7 <sup>th</sup> Semester 17 credits	<b>ME 322 (1)</b> (P: ME 282, ME 321) (C: ME 319)  0.5D	<b>ME 487 (3) or ENGR 410 (3)</b> (P: ME 321, ME 369) (C: ME 322)  2.5 D	<b>Tech. Elec. (3)</b>  1 D	<b>Tech. Elec. (3)</b>  1D	<b>ME 371 (4)</b> (P: MA 363, ME 251, ME 280, ME 281)  1D	<b>General Education (3)</b>  <b>Area IV</b>
8 <sup>th</sup> Semester 15 credits	<b>ME 488 (3) or ENGR 411 (3)</b> (P: ME 487 or ENGR 410) 3D	<b>Tech. Elec. (3)</b>  1D	<b>Tech. Elec. (3)</b>	<b>General Education (3)</b>  <b>Area IV</b>	<b>General Education (3)</b>  <b>Area VI</b>	