

**Bachelor of Science in Mechanical Engineering (BSME) Degree
Department of Engineering**



Effective date: Fall 2005

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.

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

P = Prerequisite, C = Corequisite, D = Design Credits

1 st semester 16 credits	MA 165 (4) P: MA 154 or MA 159 (C or better), or placement	CHM 115 (4) P: CHM 111 or 1 yr. H.S. C: MA 153 or MA 151	ENGR 101 (1) Area V	ENGR 120 (2) P: MA 153 Area V	ENGR 121 (2) P: MA 154 or MA 159 (C or better), or placement C: ENGR 120	COM 114 (3) C or better
2 nd semester 17 credits	MA 166 (4) P: MA 165 (C or better)	PHYS 152 (5) C: MA 166	ENGR 122 (2) P: ENGR 121 C: ENGR 101	ENGR 199 (3) P: ENGR 101 C: ENGR 121, PHYS 152 D: 2	ENG W131 (3) P: ENG W130 (C or better) or placement	
3 rd semester 15 credits	MA 261 (4) P: MA 166 (C or better)	MA 351 (3) P: MA 166 (C or better)	PHYS 251 (5) P: PHYS 152 C: MA 261	ME 250 (3) P: PHYS 152 C: MA 261		
4 th semester 15 credits	MA 363 (3) P: MA 351	ME 251 (3) P: ME 250 C: MA 363	ME 200 (3) C: MA 261 D: 0.5	ME 252 (3) P: ME 250 C: MA 363 D: 0.5	ECE 201 (3) C: MA 261	
5 th semester 17 credits	ME 318 (3) P: ME 200, ME 251, MA 363 D: 0.5	ME 361 (3) P: ME 251 D: 1	ME 303 (2) P: CHM 115, PHYS 251 C: ME 252	ME 280 (3) P: ENGR 199, ECE 201 ME 281 (1) C: ME 280 D: 1.5	ME 282 (2) P: COM 114, ENG W131 C: ME 200, ME 252	General Education Elective (3) Area III
6 th semester 14 credits	ME 301 (3) P: ME 200 D: 0.5	ME 304 (1) P: ME 282, ME 303	ME 319 (1) P: ME 282, ME 318 D: 0.5	ME 321 (3) C: ME 318 D: 0.5	ME 369 (3) P: ME 361, ME 252, ME 303 C: ME 304 D: 1.5	ECON E201 (3) Area III
7 th semester 17 credits	ME 322 (1) P: ME 282, ME 321 C: ME 319 D: 0.5	ME 487(3) or ENGR 410 (3) P: ME 321, ME 369 C: ME 322 D: 2.5	Technical Elective (3) D: 1	Technical Elective (3) D: 1	ME 371 (4) P: MA 363, ME 251, ME 280, ME 281 D: 1	General Education Elective (3) Area IV
8 th semester 15 credits	ME 488 (3) or ENGR 411 (3) P: ME 487 or ENGR 410 D: 3	Technical Elective (3) D: 1	Technical Elective (3)	General Education Elective (3) Area IV	General Education Elective (3) Area VI	

Revised March 2005

Total credit hours 126 (minimum design credits required: 19)