

**BSCmpE Degree
Department of Engineering**

Effective date: Fall 2003

All engineering and 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 up to date information visit <http://www.engr.ipfw.edu>



P = Pre-requisite, C = Co-Requisite

1 st Semester 16 credits	MA 165 (4) (P: MA 151 or MA 154, or placement) ("C" or better)	CHM 115 (4) (P: CHM 111 or 1 yr. H.S.) (C: MA 153 or MA 151)	ENGR 101 (1) GenEd Area V	ENGR 120 (2) (P: MA 153) GenEd Area V	ENGR 121 (2) (P: MA 153) (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 101, ENGR 121, MA 151 or MA 154)	ENGR 199 (3) (C: ENGR 122) 2D	ENG W131 (3) (P: ENG W130 or placement) ("C" or better)	
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)	ECE 201 (3) (C: MA 261)		
4 th Semester 16 credits	MA 363 (3) (P: MA 261 and MA 351) ("C" or better)	ECE 202 (3) (P: ECE 201) (C: MA 363) 0.3D	ECE 207 (1) (P: ECE 201)	ECE 270 (4) (P: ENGR 199) 1D	ECE 280 (4) (P: ECE 201, ENGR 199) (C: ECE 281) 2D	ECE 281 (1) (C: ECE 280) 0.5D
5 th Semester 15 credits	MA 275 (3) (P: ECE 270, MA 363)	ECE 301 (3) (P: ECE 202, and ECE 270)	ECE 357 (1) (P: ECE 270)	ECE 362 (4) (P: ECE 270, ECE 280, ENGR 199) 2D	ECE 364 (1) (P: ENGR 122) 0.5D	ME 200 (3) (C : MA 261) Or ME 250 (3) (P: PHYS 152, ENGR 199) (C: MA 261)
6 th Semester 15 credits	ECE 302 (3) (P: MA 363)	ECE 368 (3) (P: ECE 364, ENGR 122) 1.5D	ECON E201 (3) Area III	General Education (3) Area III	General Education (3) Area IV	
7 th Semester 16 credits	ECE 405 (3) or ENGR 410 (3) (P: ECE 311, ECE 301, ECE 302, ME 200 or ME 250) 2.5 D	ECE 495A (4) (P: ECE 362, ECE 357) 2D	Technical Elective (3)	Technical Elective (3)	General Education (3) AREA IV	
8 th Semester 16 credits	ECE 406 (3) or ENGR 411 (3) (P: ECE 405 or ENGR 410) 3D	ECE 469 (4) (P: ECE 368, ECE 495A) 2.5D	Technical Elective (3)	Technical Elective (3)	General Education (3) AREA VI	

Revised March 2003

Total credits: 126 (minimum design credits required: 19.8)