

**Bachelor of Science in Computer Engineering (BSCmpE) Degree  
Department of Engineering**



Starting date: **Fall 2006**

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 <sup>st</sup> semester 16 credits	<b>MA 165 (4)</b> P: MA 154 or MA 159 (C or better), or placement	<b>CHM 115 (4)</b> P: CHM 111 or 1 yr. H.S. C: MA 153 or MA 151	<b>ENGR 101 (1)</b>  Area V	<b>ENGR 120 (2)</b> P: MA 153  Area V	<b>ENGR 121 (2)</b> P: MA 154 or MA 159 (C or better), or placement C: ENGR 120	<b>ENG W131 (3)</b> P: ENG W130 (C or better) or placement
2 <sup>nd</sup> semester 15 credits	<b>MA 166 (4)</b> P: MA 165 (C or better)	<b>PHYS 152 (5)</b> C: MA 166	<b>ENGR 199 (3)</b> P: ENGR 101 C: ENGR 121, PHYS 152 D: 2	<b>COM 114 (3)</b> C or better		
3 <sup>rd</sup> semester 18 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>ECE 201 (3)</b> C: MA 261	<b>ENGR 221 (2)</b> P: ENGR 101, ENGR 121	<b>ENGR 222 (1)</b> C: ENGR 221
4 <sup>th</sup> semester 15 credits	<b>MA 363 (3)</b> P: MA 261 and MA 351 (C or better)	<b>ECE 202 (3)</b> P: ECE 201 C: MA 363  D: 0.3	<b>ECE 270 (4)</b> P: ENGR 199  D: 1	<b>ECE 293 (2)</b> P: ECE 201, COM 114, ENG W 131	<b>ECE 368 (3)</b> P: ENGR 222  D: 1.5	
5 <sup>th</sup> semester 16 credits	<b>MA 275 (3)</b> P: MA 261	<b>ECE 301 (3)</b> P: ECE 202	<b>ECE 358 (3)</b> P: ECE 270, ENGR 221, PHYS 251  D: 1	<b>ECE 387 (3)</b> P: ECE 201, ENGR 199, ENGR 221 C: ME 200 or ME 250 D: 1	<b>ECE 388 (1)</b> C: ECE 387  D: 0.5	<b>ME 200 (3)</b> C: MA 261
6 <sup>th</sup> semester 16 credits	<b>ECE 302 (3)</b> P: MA 363, ECE 301	<b>ECE 362 (4)</b> P: ECE 270, ECE 293, ECE 388  D: 2	General Education Elective (3)  Area III	<b>ECON E201 (3)</b>  Area III	General Education Elective (3)  Area IV	
7 <sup>th</sup> semester 16 credits	<b>ECE 405 (3) or ENGR 410 (3)</b> P: ECE 302, ECE 362, ECE 368, MA 275  D: 2.5	<b>ECE 495 (4)</b> P: ECE 362, ECE 368  D: 2	<b>Computer Engineering Elective (3)</b>	<b>Technical Elective (3)</b>	General Education Elective (3)  Area IV	
8 <sup>th</sup> semester 16 credits	<b>ECE 406 (3) or ENGR 411 (3)</b> P: ECE 405 or ENGR 410  D: 3	<b>ECE 437 (4)</b> P: ECE 362, ECE 358  D: 2	<b>Computer Engineering Elective (3)</b>	<b>Technical Elective (3)</b>	General Education Elective (3)  Area VI	

Revised March 2006

Total credit hours 128