

## BSEE Degree Department of Engineering



Effective date: Fall 2004

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 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 154 or MA 159	<b>ENGR 199 (3)</b> P: ENGR 121  D: 2	<b>ENG W131 (3)</b> P: ENG W130 (C or better) or placement	
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>ECE 201 (3)</b> C: MA 261		
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 207 (1)</b> P: ECE 201	<b>ECE 270 (4)</b> P: ENGR 199  D: 1	<b>ECE 280 (3)</b> P: ECE 201, ENGR 199 C: EE 281  D: 1	<b>ECE 281 (1)</b> C: ECE 280  D: 0.5
5 <sup>th</sup> semester 17 credits	<b>MA 275 (3)</b> P: ECE 270, MA 363	<b>ECE 255 (3)</b> P: ECE 201 and <b>ECE 208 (1)</b> P: ECE 207 C: ECE 255  D: 1.7	<b>ECE 301 (3)</b> P: ECE 202, ECE 270	<b>ECE 362 (4)</b> P: ECE 270, ECE 280, ENGR 199  D: 2	<b>ME 200 (3)</b> C: MA 261 or <b>ME 250 (3)</b> P: PHYS 152 C: MA 261	
6 <sup>th</sup> semester 15 credits	<b>ECE 302 (3)</b> P: MA 363	<b>ECE 311 (3)</b> P: MA 363, PHYS 251	<b>ECE 382 (3)</b> P: ECE 301  D: 1	General Education Elective (3)  Area III	<b>ECON E201 (3)</b>  Area III	
7 <sup>th</sup> semester 15 credits	<b>ECE 405 (3) or ENGR 410 (3)</b> P: ECE 311, ECE 301, ECE 302, ME 200 or ME 250  D: 2.5	<b>ECE 436 (3)</b> P: ECE 301  D: 1	<b>Electrical Engineering Elective (3) †</b>	<b>Technical Elective (3)</b>	General Education Elective (3)  Area IV	
8 <sup>th</sup> semester 15 credits	<b>ECE 406 (3) or ENGR 411 (3)</b> P: ECE 405 or ENGR 410  D: 3	<b>Electrical Engineering Elective (3) †</b>  D: 1	<b>Technical Elective (3)</b>  D: 1	General Education Elective (3)  Area IV	General Education Elective (3)  Area VI	

† Must be from the list of Electrical Engineering Electives