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

Effective date: Fall 2008
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](http://www.engr.ipfw.edu)

P = Prerequisite, C = Corequisite, DC = Design Content

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
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</table>
| 1st semester | 16 | 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  
ENGR 121 (2)  
P: MA 154 or MA 159 (C or better), or placement  
C: ENGR 120 |

| 2nd semester | 15 | MA 166 (4)  
P: MA 165 (C or better)  
PHYS 152 (5)  
P: MA 166  
C: MA 153 or MA 151  
COM 114 (3)  
C or better  
ENGR 121 (2)  
P: MA 154 or MA 159 (C or better), or placement  
C: ENGR 120 |

| 3rd semester | 15 | 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)  
P: ENGR 101, ENGR 121  
ME 253 (3)  
P: MA 261, PHYS152 |

| 4th semester | 15 | MA 363 (3)  
P: MA 261 and MA 351  
ECE 202 (3)  
P: ECE 201  
C: MA 363  
ECE 270 (4)  
P: ENGR 199  
C: MA 261  
ECE 293 (2)  
P: ECE 201, COM 114, ENG W 131  
ECE 387 (3)  
P: ECE 201, ENGR 199, ENGR 221  
C: ME 253  
ECE 388 (1)  
P: ENGR 222  
DC |

| 5th semester | 15 | Intermed Discrete Math  
Signals And Systems  
Intro To VHDL  
Intro To VLSI  
ECON E201 (3) |

| 6th semester | 15 | Probabilistic Methods  
Micropro Sys & Intrfac  
Intro To Microeconomic  
General Education Elective (3)  
General Education Elective (3)  
General Education Elective (3)  
Area IV |

| 7th semester | 15 | Sr Engineering Des I  
Embedd Real-Time OS  
Computer Engineering Elective (3)  
Technical Elective (3)  
Technical Elective (3)  
Area IV |

| 8th semester | 15 | Sr Engineering Des II  
Computer Des&Prototyp  
Computer Engineering Elective (3)  
Technical Elective (3)  
Technical Elective (3)  
Area VI |

Revised March 2008  
Total credit hours 128