

BSEE 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

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|--|---|---|--|---|---|--|
| 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) Area V | ENGR 120 (2) (P: MA 153) 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: EE 281) 2D | ECE 281 (1) (C: ECE 280) 0.5D |
| 5 th Semester 17 credits | MA 275 (3) (P: ECE 270, MA 363) | ECE 255 (3) (P: ECE 201) and ECE 208 (1) (P: ECE 207) (C: ECE 255) 1.7D | ECE 301 (3) (P: ECE 202, ECE 270) | ECE 362 (4) (P: ECE 270, ECE 280, ENGR 199) 2D | 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 311 (3) (P: MA 363 & PHYS 251) | ECE 382 (3) (P: ECE 301) 1D | General Education (3) Area III | ECON E 201 (3) Area III | |
| 7 th Semester 15 credits | ECE 405 (3) or ENGR 410 (3) (P: ECE 311, ECE 301, ECE 302, ME 200 or ME 250) 2.5 D | ECE 436 (3) (P: ECE 301) 1D | Technical Elective (3) † 1D | Technical Elective (3) | General Education (3) AREA IV | |
| 8 th Semester 15 credits | ECE 406 (3) or ENGR 411 (3) (P: ECE 405 or ENGR 410) 3D | Technical Elective (3) † 1D | Technical Elective (3) 1D | General Education (3) AREA IV | General Education (3) AREA VI | |

† Must be from the list of "Electrical Engineering Electives"

Revised March 2003

Total Credits: 126 (minimum design credits required: 19)