Computer Engineering + Electrical Engineering
Dual Degree Requirements

To qualify for both the BSEE and BSCmpE degrees from IPFW, the following minimum requirements must be met.

Freshman Year Requirements (31 credit hours)

- CHM 115, MA 165, MA 166, PHYS 152, ENGR 101, ENGR 120, ENGR 121, ENGR 199
- COM 114, ENG W131

ECE Requirements (79 credit hours)

Core Courses for Both EE and CmpE Curriculum (29 credit hours)

- ECE 201, 202, 208, 255, 270, 293, 301, 302, 362, ENGR 221, 222

Core Courses for EE Curriculum (15 credit hours)

- ECE 311, 324, 333, 428, 436

Core Courses for CmpE Curriculum (14 credit hours)

- ECE 358, 368, 437, 485

Senior Design (6 credit hours)

- ECE 405 and ECE 406, or ENGR 410 and ENGR 411

ECE Electives (15 credit hours)

- Minimum of 3 credit hours must come from ECE 460, ECE 474, ECE 483, and ECE 584. Minimum of 6 credit hours must come from ECE 465, ECE 547, CS 360, CS 321, and CS 384. The rest of the credits must come from the list of approved technical electives for the electrical engineering and computer engineering programs

Advanced Physics (5 credit hours)

- PHYS 251

Mechanical Engineering Elective (3 credit hours)

- ME 253

Advanced Math (13 credit hours)

- MA 261, MA 275, MA 351, MA 363
Spring 2012

General Education Electives (15 credit hours)
Meet the General Education Program requirements:

- 6 credit hours from area III which includes ECON E201
- 6 credit hours from area IV, and
- 3 credit hours from area VI

Total credits: 146 credit hours

GPA Requirements

A graduation index of 2.0 or better is required to fulfill the BSEE and BSCmpE degree requirements. In addition, a minimum overall GPA of 2.0 is required for all ECE courses.