COMPUTER ENGINEERING FLOWCHART, 2012-2013 CATALOG (127 credits)

SEMESTER

Semester 1

- **MATH 165** — Calc 1 — 4 cr — *C- or better*
- **ENGR 101** — Orientation — R cr
- **CPR E 185** — CprE Prob — 3 cr
- **CHEM 167** — Engr Chem — 4 cr
- **LIB 160** — Lib Instruction — 1 cr
- **ENGL 150** — Crit Think & Com. — 3 cr — *C or better*

Semester 2

- **MATH 166** — Calc 2 — 4 cr — *C- or better*
- **PHYS 221** — Class Phys 1 — 5 cr
- **CPR E 166** — Prof Program — R cr
- **COM S 227** — Intro Program — 4 cr — *C- or better*
- **GEN ED Elective** — 3 cr

Semester 3

- **MATH 265** — Calc 3 — 4 cr
- **PHYS 222** — Class Phys 2 — 5 cr
- **CPR E 281** — Digital Logic — 4 cr — *Soph Class*
- **COM S 228** — Data Struct — 3 cr — *C- or better*
- **CPR E 294** — Program Disc — R cr

Semester 4

- **MATH 267** — Diff Eq/Lap — 4 cr
- **E E 201** — Elect Circuits — 4 cr
- **CPR E 288** — Embed Sys — 4 cr
- **ENGL 250** — Elect Comp — 3 cr — *C or better*

Semester 5

- **GEN ED Elective** — 3 cr
- **E E 230** — Circuits & Sys — 4 cr
- **CPR E 381** — Cpr Org&Dsn — 4 cr
- **CPR E 310** — Foundtn CprE — 3 cr
- **COM S 309** — Software dev. — 3 cr
- **CPR E 394** — Prog. Exploration — R cr

BOTH

Semester 6

- **GEN ED Elective** — 3 cr
- **E E Elective** — 3 cr
- **CPR E 308** — Oper Sys — 4 cr
- **COM S 311** — Algor Anlys — 3 cr — *OR* — **CPR E 315** — App of Algor — 3 cr — *Junior Class*
- **ENGL 314** — Tech Comm — 3 cr — *C or better*

Semester 7

- **GEN ED Elective** — 3 cr
- **TECH Elective** — 3 cr
- **TECH Elective** — 3 cr
- **CPR E Elective** — 3 cr
- **CPR E 491** — Sr Design 1 — 3 cr — *29 core cr*
- **CPR E 494** — Portfolio — R cr
- **Stat 330** — 3 cr

Semester 8

- **GEN ED Elective** — 3 cr
- **TECH Elective** — 3 cr
- **CPR E Elective** — 3 cr
- **COM S Elective** — 3 cr
- **CPR E 492** — Sr Design 2 — 2 cr

LEGEND

- Co-Requisite course (dotted arrow)
- Pre-Requisite course (solid arrow)

1) This flowchart is only a guide. For more detailed information, including pre-requisites and co-requisites, see the ISU catalog.

2) Check with Student Services for information on electives.

3) Course and term offerings subject to change.

4) Lab and lecture must be passed in the same semester to receive credit for CprE/EE courses.