COMPUTER ENGINEERING FLOWCHART, 2013-2014 CATALOG (127 credits)

SEMESTER

1

MATH 165 — Calc 1 — 4 cr
ENGR 101 — Orientation — R cr
CPR E 185 — CprE Prob Solv — 3 cr
CHEM 167 — Engr Chem — 4 cr
LIB 160 — Lib Instruction — 1 cr
ENGL 150 — Crit Thinking & Communication — 3 cr

C- or better (MATH 165)
C or better (ENGL 150)

2

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

C- or better (MATH 166)
C- or better (COM S 227)

3

Soph Class

MATH 265 — Calc 3 — 4 cr
PHYS 222 — Class Phys 2 — 5 cr
CPR E 281 — Digital Logic — 4 cr
COM S 228 — Data Struct — 3 cr
CPR E 294 — Program Discovery — R cr

C- or better (COM S 228)

4

MATH 267 — Diff Eq/Lap — 4 cr
E E 201 — Elect Circuits — 4 cr
CPR E 288 — Embed Sys — 4 cr
ENGL 250 — WOVE Composition — 3 cr

C or better (ENGL 250)

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 — Program Exploration — R cr

6

Junior Class

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
ENGL 314 — Tech Comm — 3 cr

C or better (ENGL 314)

29 core cr

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
CPR E 494 — Portfolio — R cr
Stat 330 — 3 cr

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.