Cyber Security Engineering FlowChart 2022-23 (125 Credits)

LEGEND

- Co-Req (dotted arrow)
- Pre-Req (solid arrow)

Semester 1
- **Math 165** — Calc I — 4cr — **C-or better**
- **Engr 101** — Orientation — R cr
- **CprE 185** — CprE Prob Solv — 3cr
- **Chem 167** — Engr Chem — 3cr
- **Lib 160** — Lib Instruction — 1cr
- **Engl 150** — Crit Think & Com — 3cr — **C or better**

Semester 2
- **Math 166** — Calc II — 4cr — **C-or better**
- **Phys 231 & 231L** — Classical Phys I — 5cr
- **CprE 166** — Professional Prog — R cr
- **Com S 227** — Intro Program — 4cr — **C-or better**
- **Gen Ed Elective** — 3cr

Semester 3
- **Math 267** — Diff Eq/Lap — 4cr
- **Cyb E 230** — Cyber Secr. Infra — 3cr
- *Soph Class* **CprE 281** — Digital Logic — 4cr
- **Com S 228** — Data Structures — 3cr — **C-or better**
- **CprE 294** — Program Discovery — R cr

Semester 4
- **Math Elective** — 3/4cr
- **Cyb E 231** — Cyber Sec. Concept/Tool — 4cr
- **CprE 288** — Embedded Systems — 4cr
- **Cyb E 234** — Ethics in Sec — 3cr
- **Engl 250** — WOVE Comp — 3cr — **C or better**

Semester 5
- **Gen Ed Elective** — 3cr
- **Cyb E 331** — Appl of Crypt — 3cr
- **CprE 381** — Cpr Org & Design — 4cr
- **Com S 309** — Software Dev — 3cr
- **CprE 310** — Foundtn CprE — 3cr

Semester 6
- **Gen Ed Elective** — 3cr
- **Cyb E Elective** — 3cr
- **CprE 308** — Operating Sys — 4cr
- **Com S 311** — Algor Analys — 3cr
- *Junior Class* **Engl 314** — Technical Com — 3cr — **C or better**

Semester 7
- **Gen Ed Elective** — 3cr
- **Stat 330** — Stat for ComS — 3cr
- *29 Core Cr* **CprE 491** — Senior Design I — 3cr
- **Cyb E Elective** — 3cr
- **Cyb E Elective** — 3cr
- **CprE 494** — Portfolio — R cr

Semester 8
- **Gen Ed Elective** — 3cr
- **Tech Elective** — 3cr
- **CprE 492** — Senior Design II — 2cr
- **Tech Elective** — 3cr
- **Cyb E Elective** — 3cr
- **CprE Elective** — 3cr

Notes:

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 term offerings subject to change.

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