CYBERSECURITY ENGINEERING FLOWCHART, 2020-2021 CATALOG (125 credits)

SEMESTER

1

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

C- or better   **C or better**

2

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

C- or better   **C- or better**

LEGEND
Co-Requisite course
Pre-Requisite course

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.

3

Soph Class

MATH 267	Cpr E 230	CPR E 281	COM S 228	CPR E 294
Diff Eq/Lap	Cyber Secr. Infrastructure	Digital Logic	Data Struct	Program Discovery
4 cr	3 cr	4 cr	3 cr	R cr

C- or better

4

MATH Elective	Cpr E 234	Cpr E 231	CPR E 288	ENGL 250
3/4 cr	Ethics in Sec.	CyberSec. Concept/Tool	Embed Sys	WOVE Composition
	3 cr	3 cr	4 cr	3 cr

C or better

5

GEN ED Elective	Cpr E 331	CPR E 381	CPR E 310	COM S 309
3 cr	Appl of Crypt	Cpr Org&Dsn	Foundtn CprE	Software Dev
	3 cr	4 cr	3 cr	3 cr

6

Junior Class

GEN ED Elective	Cyb E Elective	CPR E 308	COM S 311	ENGL 314
3 cr	3 cr	Oper Sys	Algor Anlys	Tech Comm
		4 cr	3 cr	3 cr

C or better

7

29 core cr

GEN ED Elective	Cyb E Elective	Cyb E Elective	CPR E Elective	CPR E 491	CPR E 494	Stat 330
3 cr	3 cr	3 cr	3 cr	Sr Design 1	Portfolio	3 cr
				3 cr	R cr	

8

GEN ED Elective	TECH Elective	TECH Elective	Cyb E Elective	CPR E 492
3 cr	3 cr	3 cr	3 cr	Sr Design 2
				2 cr