

# Sample Academic Plan: Information Technology- Cybersecurity AA/AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 61

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 660-7400.

## First Year

### Semester 1 (15 units)

Course Number	Course Title	Units	Area
IT 0100	Information & Comm Technology Essentials	4 units	Major
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & 2
	General Education	4 units	SC Area A
	Elective	3 units	Elective

### Semester 2 (16 units)

Course Number	Course Title	Units	Area
IT 0105	Computer Network Fundamentals	3 units	Major
IT 0110	Installing, Config and Administering a Client OS	3 units	Major
IT 0075	Python for Many Uses	3 units	Major
MATH 0013/MATH 0010	Elementary Statistics/Problem Solving	4 units	SC Area D2/LS 4
	General Education	3 units	SC Area LS 3

## Second Year

### Semester 3 (15 units)

Course Number	Course Title	Units	Area
IT 0115	Server Systems Administration	3 units	Major
IT 0120	Introduction to Information Systems Security	3 units	Major
IT 0060/ IT 0095/ IT 0125	Project Mngmnt Software/Intern	3 units	Major Elective
	General Education	3 units	SC Area C
	General Education	3 units	SC Area E

### Semester 4 (15 units)

Course Number	Course Title	Units	Area
IT 0140	Implementing Network Security and Firewalls	3 units	Major
IT 0145	Introduction to Cybersecurity, Ethical Hacking	3 units	Major
IT 0165/IT 0150	Computer Forensic Fund/Prin Cybersec Analysis	3 units	Major Elective
	General Education	3 units	SC Area B
	General Education	3 units	SC Area F