## 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.

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## First Year

Semester 1 (15 units) Course Number	Course Title	Units	
	Course Title	Unite	
IT 0100		Offics	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
	Semester 2 (16 units) Course Number IT 0105 IT 0110 IT 0075 MATH 0013/MATH 0010  Second Year Semester 3 (15 units) Course Number IT 0115 IT 0120 IT 0060/ IT 0095/ IT 0125  Semester 4 (15 units) Course Number IT 0140 IT 0145	General Education Elective  Semester 2 (16 units)  Course Number IT 0105 Computer Network Fundamentals IT 0110 Installing, Config and Administering a Client OS IT 0075 Python for Many Uses MATH 0013/MATH 0010 Elementary Statistics/Problem Solving General Education  Second Year Semester 3 (15 units) Course Number Course Title IT 0115 Server Systems Administration IT 0120 Introduction to Information Systems Security IT 0060/ IT 0095/ IT 0125 Project Mngmnt Software/Intern General Education  Semester 4 (15 units) Course Number Course Title IT 0140 Implementing Network Security and Firewalls IT 0145 Introduction to Cybersecurity, Ethical Hacking IT 0165/IT 0150 Computer Forensic Fund/Prin Cybersec Analysis General Education	General Education 4 units Elective 3 units  Semester 2 (16 units)  Course Number Course Title Units IT 0105 Computer Network Fundamentals 3 units IT 0110 Installing, Config and Administering a Client OS 3 units IT 0075 Python for Many Uses 3 units  MATH 0013/MATH 0010 Elementary Statistics/Problem Solving 4 units General Education 3 units  Second Year  Semester 3 (15 units) Course Number Course Title Units IT 0120 Introduction to Information Systems Security 3 units IT 0120 Introduction to Information Systems Security 3 units IT 0060/ IT 0095/ IT 0125 Project Mngmnt Software/Intern 3 units General Education 3 units  Semester 4 (15 units) Course Number Course Title Units IT 0140 Implementing Network Security and Firewalls 3 units IT 0145 Introduction to Cybersecurity, Ethical Hacking 3 units IT 0165/IT 0150 Computer Forensic Fund/Prin Cybersec Analysis 3 units General Education 3 units