Academic Map: Computing and Information Technology (AAS) Cyber Security-Network Security

Associate of Applied Science (A.A.S) | 60 Total Credits | CSN Degree Code: CITCSNS-ASS | Catalog Year: 2021-2022 |

Computing and Engineering Technologies   Advanced and Applied Technology   Department of Computing and Information Technology

Jobs and Employment Information: https://www.csn.edu/cetarea

DESCRIPTION: This degree provides students with the necessary education and skills required by today's Network Security specialists. Instruction includes courses on server/client centric security issues as well as router/switch centric security issues. It provides students with a wide array of training in various functional areas related to network security.

TERM 1 – TOTAL CREDIT HOURS: 13	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ET 111B or MATH 116 or above*	3	*ACT/SAT or Placement*	GE Math	C	*Except MATH 122/123
IS 101 Intro to Information Systems	3	*None*	Digital Literacy	C	
CIT 112B Network+	3	*None*	Special Prog Req	C	
CSCO 120 CCNA Intro to Networks	4	*None*	Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 16	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ENG 107 Technical Communications	3	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG Comp	C	
EGG 131 Technical Physics I	3	*ET 11B or MATH 116 or above (Except MATH 122/123)*	GE Nat Science	C	
CIT 173 Introduction to Linux	3	*None*	Special Prog Req	C	
CIT 263 Project Management	3	IS100B or IS 101 and C or up in ENG 100 or above or a C or up in COM 101 or Instructor approval	Special Prog Req	C	
CSCO 121 CCNA Switch, Rout and Wireless Ess	4	CSCO 120	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 16	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
CIT 174 Linus System Administration	3	*None*	Special Prog Req	C	
CIT 217 Security+	3	CIT 112B or associated certifications	Special Prog Req	C	
COM 115 Applied Communications	3	*None*	GE Com	C	
CSCO 220 CCNA Ent Net, Sec & Automation	4	CSCO 121	Special Prog Req	C	
Human Rel Elect – see advisor/counselor	3	*Depends on course chosen*	GE Human Rel	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
FA/HUM/SS Elective – See advisor/counselor	3	*Depends on course chosen*	GE FA/Hum/SS	C	
PSC 101 or HIST 100	4	*None*	GE US/NV Cons	C	
CSCO 221 CCNA WAN Fundamentals	4	C- or up in CSEC 110B	Special Prog Req	C	
CSCO 230B Sec Op Center Fundamentals	4	CSCO 121 or Instructor Approval	Special Prog Req	C	Apply for Graduation