

Sinclair Community College

Computer Information Systems/Network Engineer

AAS

NEEN.S.AAS

REQUIRED COURSES:	Sem Hours	ODE Course Aligned	CTAN (if Applicable)
First Semester, First Year			
CIS 1107 Introduction to Operating Systems	3	145030	CTIT005
CIS 1411 Introduction to Networks	3	CISCO	CTIT007
SCC 1101 First Year Experience	1		
MAT 1120 Business Math*	3		
BIS 1120 Introduction to Software Applications*	3		
ENG 1101 English Composition I	3		

Second Semester, First Year			
CIS 2416 Routing and Switching Essentials	4	CISCO	CTIT008
COM 2225 Small Group Communication	3		
CIS 1111 Introduction to Problem Solving and Computer Programming	3	145060	CTPROG001
HUM 1130 Humanity and Technology	3		
ACC 1100 Small Business Accounting*	3		

First Semester, Second Year			
CIS 2165 Database Management*	3		
ECO 2160 Macroeconomics	3		
MAN 2150 Management and Organizational Behavior	3		
CIS 2421 Scaling Networks	4	CISCO	CTIT009
CIS 1140 Information Systems Analysis and Design	3		

Second Semester, Second Year			
CIS 2640 Network Security	3		
CIS 2426 Connecting Networks	4	CISCO	CTIT010
CIS 2170 CIS Internship	2		
CIS 2731 A+ Hardware and Software	4	145025/145030	CTIT014

*Denotes course aligned for articulated credit, via method established on bilateral agreement

PATHWAY TAB INFORMATION

Course Name	Postsecondary Institution	Credit Type	Credit Hours
CIS 1107 Introduction to Operating Systems	Sinclair Community College	CTAG	3
CIS 1411 Introduction to Networks	Sinclair Community College	CTAG	3
BIS 1120 Introduction to Software Applications	Sinclair Community College	Bilateral	3
CIS 1111 Introduction to Problem Solving and Computer Programming	Sinclair Community College	CTAG	3
CIS 2416 Routing and Switching Essentials	Sinclair Community College	CTAG	4
CIS 2165 Database Management	Sinclair Community College	Bilateral	3
CIS 2421 Scaling Networks	Sinclair Community College	CTAG	4
CIS 2426 Connecting Networks	Sinclair Community College	CTAG	4
CIS 2731 A+ Hardware and Software	Sinclair Community College	CTAG	4