



MIAMI VALLEY
TECHPREP
CONSORTIUM



COLLEGE: Sinclair College

PROGRAM OF STUDY PATHWAY TEMPLATES 2019-2020

ODE CAREER FIELD: Information Technology

ODE PATHWAY: Networking

SINCLAIR PROGRAM: **CIS/Network Engineering**

61 Credit Hours - Associate of Applied Science

NEEN.S.AAS

HIGH SCHOOL	Freshman	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) Physical Education (.5)	Career Field Exploration	Fine Arts/Foreign Language/Business Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology Elective (1)	Career Pathway Foundation	Fine Arts/Foreign Language/Business Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science OR Earth/Space Science (1)	US Govt (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Information Technology (1)	Career Tech Information Technology (1)	Career Tech Information Technology (1)
	Senior	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Information Technology (1)	Career Tech Information Technology (1)	Career Tech Information Technology (1)
Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.								
COLLEGE	1st Semester	BIS 1120 Introduction to Software Applications (3)	■ CIS 1107 Introduction to Operating Systems (3)	■ CIS 1411 Cisco Network Fundamentals (3)	SCC 1101 First Year Experience (1)	CIS 1111 Introduction to Problem Solving & Computer Programming (3)		
	2nd Semester	● ENG 1101 English Composition I (3)	CIS 1140 Information Systems Analysis & Design (3)	● COM 2225 Small Group Communication (3)	■ CIS 2416 Cisco Routing Protocols & Concepts (4)	MAT 1120 Business Math (3) OR		
						● OTM Mathematics Elective		
	3rd Semester	CIS 2165 Database Management (3)	ACC 1100 Small Business Accounting OR ● ACC 1210 Introduction to Financial Accounting (3)		MAN 2150 Management & Organizational Behavior (3)	● ECO 2160 Principles of Macroeconomics (3)	■ CIS 2421 Cisco Switching & Wireless Routing (4)	
4th Semester	CIS 2640 Network Security (3)	● OTM Arts and Humanities Elective (3)	CIS 2170 CIS Internship OR CIS 2178 CIS Capstone (3)		■ CIS 2426 Cisco Accessing the Wide Area Network (WAN) (4)	■ CIS 1510 Windows Client Operating System (3) OR CIS 2731 A+ Hardware & Software (3) OR CIS 2510 Microsoft Windows Server Operating System (3)		
● = Courses guaranteed to transfer to Ohio's public institutions of higher education								
Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.								
■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript.								
Required Courses (credit hours)								
Recommended Elective Courses								

Revised 07/22/2019

Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.