MIAMI VALLEY **TECHPREP** CONSORTIUM — A great way to go to college!

SINCLAIR COLLEGE

PROGRAM OF STUDY PATHWAY TEMPLATES 2019-2020

COLLEGE: Sinclair College

ODE CAREER FIELD: Information Technology
ODE PATHWAY: Programming & Software Development
SINCLAIR PROGRAM: **CIS/Software Development**
61 Credit Hours - Associate of Applied Science

SODE.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 1130 Network Fundamentals (3)	SCC 1101 First Year Experience (1)	CIS 1111 Introduction to Problem Solving & Computer Programming (3)	MAT 1120 Business Math (3) **OR** ● OTM Mathematics Elective
2nd Semester	● ENG 1101 English Composition I (3)	CIS 1140 Information Systems Analysis & Design (3)	● COM 2225 Small Group Communication (3)	CIS 1202 C++ Software Development I (3)	CIS 2207 Algorithms & Data Structures (3) **OR** CIS 2268 Introduction to Oracle (3)	
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)	CIS 2212 Java Software Development I (3)	CIS 1350 Web Site Development with HTML & CSS (3)
4th Semester	CIS 2222 ASP.NET with C# (3)	● OTM Arts and Humanities Elective (3)	CIS 2170 CIS Internship **OR** CIS 2178 CIS Capstone (3)		CIS 2217 Java Software Development II (3)	● ECO 2160 Principles of Macroeconomics (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.