



MIAMI VALLEY
TECHPREP
CONSORTIUM



SINCLAIR
COLLEGE

COLLEGE: Sinclair College

PROGRAM OF STUDY PATHWAY TEMPLATES 2019 - 20

CAREER FIELD: Information Technology

PATHWAY: Programming & Software Development

PROGRAM: Data Analytics

31 Credit Hours - One Year Technical Certificate

DA.S.CRT

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	Program Prerequisite	• MAT 1460 Finite Mathematics for Business Analysis (4)						
	1st Semester	BIS 1120 Introduction to Software Applications (3)	• MAT 2170 Business Statistics I (4)	CIS 1111 Introduction to Problem Solving & Computer Programming (3)				
	2nd Semester	CIS 2165 Database Management (3)	CIS 1140 Information Systems Analysis & Design (3)	• MAT 2180 Business Statistics II (3)				
	3rd Semester	CIS 2268 Introduction to Oracle (3)	CIS 2269 Data Analytics Theory & Solutions (3)	CIS 2170 CIS Internship (2)				
• = 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 7/31/2019

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.