



COLLEGE: Sinclair College

**PROGRAM OF STUDY PATHWAY TEMPLATES 2017–2018**

**CAREER FIELD:** Information Technology  
**PATHWAY:** Programming & Software Development  
**PROGRAM:** Geospatial Technology Programming Specialist  
 19 Credit Hours - Short Term Technical Certificate

GST.S.STC

<b>HIGH SCHOOL</b>	<b>Freshman</b>	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)
	<b>Sophomore</b>	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)
	<b>Junior</b>	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science <b>OR</b> 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)
	<b>Senior</b>	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)
<b>Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.</b>								
<b>COLLEGE</b>	<b>1st Semester</b>	GEO 1107 Introduction to Geographic Information Systems (GIS) (4)	■ CIS 1202 C++ Software Development I (3)	■ CIS 1111 Introduction to Problem Solving & Computer Programming (3)				
	<b>2nd Semester</b>	CIS 2165 Database Management (3)	CIS 1350 Web Site Development with HTML and CSS (3)	CIS 2268 Introduction to Oracle (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.								
<b>Required Courses (credit hours)</b>								
<b>Recommended Elective Courses</b>								

revised 10/1/17

*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.*