

COLLEGE: **Sinclair Community College**

HIGH SCHOOL(S): **Butler Tech, Ross, Fairfield,**

**Miami Valley CTC, Stebbins**

CAREER FIELD: **Information Technology**

PATHWAY: **Programming / Software Development**

PROGRAM: **CIS - Software Development**

**97-98 Credit Hours - Associate of Applied Science**



HIGH SCHOOL	<b>Freshman</b>	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration	Elective (1)
	<b>Sophomore</b>	English II (1)	Geometry (1)	Biology (1)	American History (1)	P E (.5) Elective (.5)	Business Management Foundations (.5)	Elective (1)
	<b>Junior</b>	English III (1)	Algebra II (1)	Chemistry (1)	Am Govt (.5) Social Studies Elective (.5)	College Tech Prep Computer Info Sysyems (1)	College Tech Prep Computer Info Sysyems (1)	Elective (1)
	<b>Senior</b>	<a href="#">English IV (1)</a>	<a href="#">Pre College Math (1)</a>	Physics or Alternate Science (1)	Economics or Other Elective (1)	College Tech Prep Computer Info Sysyems (1)	College Tech Prep Computer Info Sysyems (1)	Elective (1)

Take Accuplacer (reading, math, and writing). Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

Admission Requirements: Computer Concepts - BIS 105 (3); Elementary Algebra - MAT 101 (4)

COLLEGE	<b>1st Quarter</b>	• ENG111 (3) English Composition I	MAT 116 or MAT 121 (5) College Algebra or Math for Business Analysis	SCC 101 (2) Student Success Experience	■ CIS 107 (3) Intro to Operating Systems	■ BIS160 (3) Intro to Word, Power Point, & Excel or →	BIS 161 (3) Intermediate Word, PowerPoint, & Excel ← or	
	<b>2nd Quarter</b>	• ENG112 (3) English Composition II	• MAT 122 (4) Statistics I	CIS 100 (2) CIS Orientation for Success	• COM 225 (3) Small Group Communication	CIS 111 (4) Intro to Problem Solving & Computer Programming		
	<b>3rd Quarter</b>	CIS 265 (3) Database Management Systems	• ACC 121 (5) Intro to Financial Accounting I	• COM206 (3) Interpersonal Communication	CIS 112 (3) Object Oriented Concepts	CIS 231 (3) Intro to Linux +		
	<b>4th Quarter</b>	CIS 210 (3) Computer Systems Analysis	• LAW 101 (4) Business Law I	CIS 280 (4) Java Programming I	CIS 268 (3) Intro to Oracle: SQL and PL/SQL	MAN 205 (3) Principles of Management		
	<b>5th Quarter</b>	• ECO 218 (4) Principles of Microeconomics	CIS 230 (3) Computer Networks	CIS 281 (4) Java Programming II	CIS 147(3-4) Visual Basic Programming I or CIS 233 C++ Programming 1 or CIS 284 Client/Server Web Tools Using ASP.Net or CIS 285 Web App Dev with Java			
	<b>6th Quarter</b>	CIS 236 (4) C++ Programming III	CIS 270 (3) CIS Internship or Business Elective	CIS 278 (4) CIS Capstone	• Arts & Humanities Elective (3)	MRK 201 (3) Marketing I		



**Sinclair converts to semesters in 2012-2013.**  
Visit [www.sinclair.edu/semesters](http://www.sinclair.edu/semesters) for new course names and credit hours.

**Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2)**

◆ = high school to college • = community college to 4 year institution ■ = opportunity to test out

**Required Courses (credit hours)**

**Recommended Elective Courses**