

COLLEGE: **Sinclair Community College**

HIGH SCHOOL(S): **Centerville, Ponitz CTC, Kettering Fairmont, Wayne HS,
Miami Valley CTC, Springfield, Stebbins, Warren CCC,**



Butler Tech (Talawanda), Greene CCC, Ohio High Point

CAREER FIELD: **Health Science**

PATHWAY: **Biotechnology**

PROGRAM: **Biotechnology**

96 - 100 Credit Hours - Associate of Applied Science

HIGH SCHOOL	Freshman	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)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	P E (.5) Elective(.5)	■ Technology Word & Excel (.5) + Elective (.5)	Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Chemistry (1)	American Govt (.5) Social Studies Elective (.5)	College Tech Prep Biotechnology (1)	College Tech Prep Biotechnology (1)	Elective (1)
	Senior	<u>English IV (1)</u>	<u>Integrated College Math or Calculus (1)</u>	■ Human Biology - Anatomy (1)	Elective (1)	College Tech Prep Biotechnology (1)	College Tech Prep Biotechnology (1)	Elective (1)

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

COLLEGE	1st Quarter	◆ BTN 110 (3) Intro to Biotech & Bioethics	MAT 106 or 116 (4-5) AH Math or College Algebra	Chem120 or 131 Intro to Chem or Tech Chem I	◆ BTN 120 (3) Lab Safety & Regulatory Compl	SCC 101 or SME 110 (2-4) Student Success / Sci Thought		
	2nd Quarter	● ENG 111 (3) English Composition I	BIO 111 (4) General Biology I & Lab	BTN 130 (4) Bio Reagents Preparation				
	3rd Quarter	● ENG 112 (3) English Composition II	BTN 140 (3) Cell Culture & Lab	BIO 112 (4) General Biology II & Lab	CHE 122 (4) Intro to Biochem & Lab			
	4th Quarter	● COM 206, 211, or 225 (3)	● Art & Humanities Elective (3)	■ BIS 160, 161, or 172 (2-3)				
	5th Quarter	● General Education Elective (3)	BTN 210 (6) Protein Purification and Analysis	BIO 113 (4) General Biology III & Lab	■ BIO 107 (5) Human Biology			
	6th Quarter	BTN 230 (6) Molecular Biology Techniques	● Sociology / Psy Elective (3)	BTN 201 (2) Biotechnology Careers	● General Education Elective (3)			
	7th Quarter	● Art & Humanities Elective (3)	● Multicultural Elective (3)	BTN 240 (3) Bioinformatics & Lab	BTN 235 (2) HPLC Methods	BTN 220 (4) Microbiology & Fermentation Tech		



Sinclair converts to semesters in 2012-2013.
Visit 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