



Curriculum Plan 2025-2026

Program: Biotechnology

CTSO Primary: HOSA

CTSO Secondary: FFA

Pathway: J0

WebXam: 47MC

Courses Offered

Level 1 Curriculum

Semester 1 Principles And Practices Of Biomedical Technology

Semester 2 Biotechnology For Health And Disease

Year Long Animal And Plant Biotechnology

Level 2 Curriculum

Semester 1 Genetics Of Disease

Semester 2 Biochemistry Of Health

Year Long Environmental Science For Agriculture And Natural Recourse

Level 2-Advanced Placement Curriculum

Semester 2 Health Science Capstone

Level 1-CCP Curriculum

Semester 1 Principles And Practices Of Biomedical Technology

Semester 2 Biotechnology For Health And Disease

Level 2-School-to-Work Half Day Curriculum

Semester 1 Genetics Of Disease

Semester 1 Pre- Apprenticeship

Semester 2 Pre- Apprenticeship

College Credits Available

Name	College	Semester Hours Available
CTS001 Safey OSHA 10, Must earn Certification to earn the CTAG and College Credit, CAT 1431 OSHA 10	CTAG and Sinclair College	1
CTBTC001 Biotechnology Principles, ODE Course 072125 (Biotechnology of Health and Disease) BTN 1110 Biotechnology and Bioethics	CTAG and Sinclair College	3
ALH 1132 Heartsaver First Aid, CPR, and AED (American Heart Association Heartsaver First Aid, CPR/AED card required)	Sinclair College	1
BTN 1120 Laboratory Safety & Regulatory Compliance (CCP)	Sinclair College	2
BTN 1201 Biotechnology Careers (CCP)	Sinclair College	2

Credentials Available

Name	ODE Points Available
City of Englewood Fire Dept - Fire in the Workplace and Fire Extinguisher Training	0
Occupational Safety and Health Administration (OSHA) - 10-Hour Training	1
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion - Health	12
CPR First Aid	1
Ohio Driver's License (Self Obtained)	1
Biotechnician Assistant Credentialing Exam (BACE)	4