

PLTW BIOTECHNOLOGY RESEARCH AND DEVELOPMENT, COUNSELING AND MENTAL HEALTH, & PHARMACY TECHNICIAN PATHWAYS

CTE Advocacy. Increased Funding. Redesign. Partnerships.

Biotech

NC's Research Triangle

**biotech hub
& top talent**

Source: The Economic Development Partnership of North Carolina

Pharma

NC Pharma Manufacturing

#1

in United States by
total employment

Source: The Economic Development Partnership of North Carolina

Counseling & Mental Health

NC's need for Substance Abuse, Behavioral Disorders, & Mental Health

counselors

+25.5%

between 2019-2020

Source: U.S. Labor Bureau of Statistics

CTE CAREER PATHWAY PLTW Biotechnology & Research Development (PLWB)

| | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|--|---|------------------------------|----------------------------------|--|
| PATHWAY COMPLETER | CTE Course | CTE Course | CTE Course | CTE Career Course |
| CTE CONCENTRATOR | HP70 PLTW Principles of Biomedical Sciences | HP71 PLTW Human Body Systems | HP72 PLTW Medical Interventions* | HP73 PLTW Biomedical Innovations CTE Apprenticeship, Cooperative Education (Co-op), Clinical or CTE Internship |
| CTE MAJOR | | | | |
| SUPPLEMENTAL CTE COURSES | HU40 Health Science I HU42 Health Science II (The above supplemental courses are essential for Block Schedules and should be taken in sequential order.) | | | |
| CAREER & COLLEGE PROMISE | Recommended Career & College Promise (CCP) Pathway: College Transfer Pathway Leading to the Associate in Science Degree | | | |
| CTE Industry-Recognized Credentials: CPR/AED; First Aid; Stop the Bleed; OSHA 10-Hour General Industry (Healthcare) Certification | | | | |
| CTE Careers Existing Today and Tomorrow: Genetics Expert, Super Baby Designer, Body Modification Ethicist, Clone Rancher, Lip Designer | | | | |

CTE CAREER PATHWAY Pharmacy Technician (PHTC)

| | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|--|---|-------------------------|---|--|
| PATHWAY COMPLETER | CTE Course | CTE Course | CTE Course | CTE Career Course |
| CTE CONCENTRATOR | HU40 Health Science I | HU42 Health Science II* | HL17 Pharmacology Fundamentals I or Certified Medical Assisting | HH32 Pharmacy Technician CTE Apprenticeship, Cooperative Education (Co-op), Clinical or CTE Internship |
| CTE MAJOR | | | | |
| SUPPLEMENTAL CTE COURSES | HP70 PLTW Principles of Biomedical Sciences HP71 PLTW Human Body Systems HP72 PLTW Medical Interventions (The above supplemental courses are essential for Block Schedules and should be taken in sequential order.) | | | |
| CAREER & COLLEGE PROMISE | Recommended Career & College Promise (CCP) Pathway: College Transfer Pathway Leading to the Associate in Science Degree | | | |
| CTE Industry-Recognized Credentials: Stop the Bleed; CPR/AED; First Aid; OSHA 10-Hr. General Industry (Healthcare) Certification; North Carolina Nurse Aide I; Cpht Certified Pharmacy Technician | | | | |
| CTE Careers Existing Today and Tomorrow: Registered Nurse Aide, Pharmacy Technician, Healthcare Implementation Consultant, Cradle to Grave Lifecycle Manager, Genetic Modification Designer, Organ Agent | | | | |

CTE CAREER PATHWAY Counseling & Mental Health (CMHC)

| | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|--|---|-------------------------------------|---------------------------------------|--|
| PATHWAY COMPLETER | CTE Course | CTE Course | CTE Course | CTE Career Course |
| CTE CONCENTRATOR | HU40 Health Science I | FC13 Counseling and Mental Health I | FC14 Counseling and Mental Health II* | CTE Apprenticeship, Cooperative Education (Co-op), Clinical or CTE Internship |
| CTE MAJOR | | | | |
| SUPPLEMENTAL CTE COURSES | HU42 Health Science II (The above supplemental courses are essential for Block Schedules and should be taken in sequential order.) | | | |
| CAREER & COLLEGE PROMISE | Recommended Career & College Promise (CCP) Pathway: College Transfer Pathway Leading to the Associate in Arts Degree | | | |
| CTE Industry Recognized Credentials: Stop the Bleed; CPR/AED; First Aid; OSHA 10-Hr. General Industry (Healthcare) Certification | | | | |
| CTE Careers Existing Today and Tomorrow: Behavioral Health Specialist, Outpatient Therapist, Psychologist, Sociologist, Quantified Self-Assessment Auditor | | | | |

CTE...the Ultimate Classroom to Career Experience!

*Denotes CTE Concentrator Course