

North Carolina Career and Technical Education

Adapted CTE Course Blueprint

Health Science Education

HB11 Biomedical Technology I

Summer 2017

Course Description: This course challenges students to investigate current medical and health care practices using technology and advances in health care research. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced in this course. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.	Hours of Instruction:	135-180		
	Recommended Maximum Enrollment:	30		
	Prerequisite:	None		
	Career Cluster(s):	Foundational: HL Enhancement: Completer:		
Aligned Credential or Certification: None.	Work-Based Learning	Service learning, job shadowing		
ES #	Unit Titles/Essential Standards and Indicator Statements	Course Weight	RBT Designation	Local Use
Ind #	(The Learner will be able to:)			
	Total Course Weight	100%		90
1.00	Understand biomedical research.	10%	B2	9
2.00	Understand the use and care of animals in biomedical research.	15%	B2	14
3.00	Understand the challenges to biomedical research.	15%	B2	14
4.00	Understand cell biology and cancer.	20%	B2	18
5.00	Understand emerging and re-emerging infectious diseases.	20%	B2	18
6.00	Understand pathology and forensic science.	20%	B2	18

Most Current Version: July, 2017

Contact HealthOccupations@dpi.nc.gov for more information.

Career and Technical Student Organizations (CTSO) are an integral part of this curriculum. CTOS are strategies used to teach course content, develop leadership, citizenship, responsibility, and proficiencies related to workplace needs.

Career and Technical Education conducts all activities and procedures without regard to race, color, creed, national origin, gender, or disability. The responsibility to adhere to safety standards and best professional practices is the duty of the practitioners, teachers, students, and/or others who apply the contents of this document.

This blueprint has been reviewed by business and industry representatives for technical content and appropriateness for the industry.