

# North Carolina Career Pathway

(for academic years prior to 2009-2010)

## Biological and Chemical Technologies

This pathway is involved in food science, nutrition, agriscience, and environmental science activities. It is considered with food production, packaging, and distribution; quality control; processing and development of food products; food sales and research; research laboratory environments; care for testing of experimental plants and living cells; conservation and improvement of environmental resources; managing forest crops and forest equipment.

Select from the Biological and Chemical Technologies classes listed below. A student must pass four related vocational classes in a pathway. One of these four courses must be an upper level starred course\*.

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English I	English II	English III	English IV
Math*	Math*	Math*	Math*
Science	Science	Science	Elective
Social Studies	Social Studies	Social Studies	Elective
Health and PE	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

\*Math Suggestions for the three Courses of Study listed below

Career Prep	College Tech Prep	College/University Prep
<p><b>3 credits</b> Including Algebra I (This requirement can be met with Integrated Math I and II when accompanied with the Algebra I EOC)</p>	<p><b>3 credits</b> Algebra I, Geometry, Algebra II, OR Algebra I, Technical Math I and II, OR Integrated Math I, II, III</p>	<p><b>4 credits</b> Algebra I, Geometry, Algebra II, AND higher level math course with Algebra II as prerequisite OR Integrated Math I, II, III and a credit above Integrated Math III</p>

## Community College Majors

Biotechnology-Food Science, Biotechnology Chemical Technology, Environmental Science Technology Industrial Laboratory Technology Industrial Pharmaceutical Technology Water & Waste Treatment Technology, Microbiology, Veterinarian, Animal Science, Food Science, Environmental Sciences, Biological Science, Horticultural Science, Agricultural & Environmental Technology, Agricultural & Extension Education, Zoology, Fish and Wildlife Science

## College/University Majors

Biological Sciences with concentration in Nutrition; Food, Nutrition, and Food Science Management; Foods and Nutrition with concentration in Nutrition, Institutional Foods, or Dietetics; Food Science; Nutrition and Dietetics; Nutrition and Hospitality Management with concentration in Nutrition and Dietetics

## Electives

*Not all classes listed here will be available at each high school.*

**6411** Computer Applicats I  
**6512** Keyboarding (H.S.)  
**7045** Foods & Nutrition  
**7075** Food Science  
**7121** Cul Arts & Hspptly I

**7196** Fam & Cons Sc App Meth\*  
**7197** Fam&Cons Sci Co-Op Met  
**7199** Fam&Cons Sci Adv Studs\*  
**7901** Sci & Tech Visual I  
**8011** Principles of Tech I