

**Career and Technical Education
Adapted CTE Course Blueprint
of
Essential Standards and Indicators**

Business and Information Technology Education

6412 Computer Applications II

Public Schools of North Carolina
State Board of Education • Department of Public Instruction
Accountability Services and Instructional Support
Division of Career and Technical Education

Raleigh, North Carolina

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Adapted CTE Course Blueprint

Essential standards are big, powerful ideas that are necessary and essential for students to know to be successful in a course. Essential standards identify the appropriate verb and cognitive process intended for the student to accomplish. Essential standards provide value throughout a student's career, in other courses, and translate to the next level of education or world of work.

This document lays out the essential standards for this course. The essential standards use Revised Bloom's Taxonomy (RBT) category verbs (remember, understand, apply, analyze, evaluate, create) that reflect the overall intended cognitive outcome of the indicators. Each essential standard and indicator reflects the intended level of learning through two dimensions; The Knowledge Dimension is represented with letters A-C, and the Cognitive Process Dimension by numbers 1-6.

The Adapted CTE Course Blueprint includes units of instruction, essential standard(s) for each unit, and the specific indicators. Also included are the relative weights of the units and essential standards within the course.

This document will help teachers plan for curriculum delivery for the year, prepare daily lesson plans, and construct valid formative, benchmark, and summative assessments. The North Carolina Department of Public Instruction (NCDPI) has developed a valid and reliable secure postassessment administered by NCDPI. Assessment for this course is written at the level of the **ESSENTIAL STANDARD** and assesses the intended outcome of the sum of its indicators.

For additional information about this blueprint, contact the Division of Career and Technical Education, North Carolina Department of Public Instruction, 6358 Mail Service Center, Raleigh, North Carolina 27699-6358.

Reference: Anderson, Lorin W. (Ed.), Krathwohl, David R. (Ed.), et al., *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*, Addison Wesley Longman, Inc., New York, 2001.

Interpretation of Columns on the NCDPI Adapted CTE Course Blueprint

No.	1	2	3	4
Heading	Essential Std #	Unit Titles, Essential Standards, and Indicators	Course Weight	RBT Designation
Column information	Unique course identifier and essential standard number.	Statements of unit titles, essential standards per unit, and specific indicators per essential standard. If applicable, includes % for each indicator.	Shows the relative importance of each unit and essential standard. Course weight is used to help determine the percentage of total class time to be spent on each essential standard.	Classification of outcome behavior in essential standards and indicators in Dimensions according to the Revised Bloom's Taxonomy. Cognitive Process Dimension: 1 Remember 2 Understand 3 Apply 4 Analyze 5 Evaluate 6 Create Knowledge Dimension: A Factual Knowledge B Conceptual Knowledge C Procedural Knowledge

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.

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.

**Adapted CTE Course Blueprint for
6412 COMPUTER APPLICATIONS II**
(Recommended hours of instruction: 135-180)

Essential Std #	Units, Essential Standards, and Indicators (The Learner will be able to:)	Course Weight	RBT Designation
1	2	3	4
	Total Course Weight	100%	
A	GRAPHICS AND DESKTOP PUBLISHING	35%	
BY01.00	Understand graphic image design.	9%	B2
	1.01 Investigate graphic types and file formats. (5%) 1.02 Investigate image editing. (4%)		
BY02.00	Understand desktop publishing.	26%	B2
	2.01 Investigate typefaces and fonts. (8%) 2.02 Investigate design principles and elements. (8%) 2.03 Demonstrate desktop publishing. (10%)		
B	MULTIMEDIA AND WEB PAGE DESIGN	65%	
BY03.00	Understand multimedia production.	40%	B2
	3.01 Develop computer animations. (10%) 3.02 Demonstrate interactive multimedia titles. (20%) 3.03 Explore virtual reality design and use. (10%)		
BY04.00	Understand web page design.	25%	B2
	4.01 Examine web page development and design. (6%) 4.02 Develop web pages using various layouts and technologies. (19%)		