

Career Clusters & Available CTE Courses  
2016-2017   
(Revised 6/14/16)

The following courses are included in almost every Career Cluster as either a foundational or enhancement course … and are good choices for students who are undecided about which area they are most interested in:  
   
 **Principles of Business & Finance  
 MS Word, PowerPoint & Publisher  
 MS Excel & Access  
 Project Management 1 & Project Management 2/Technology  
 Personal Finance**   
 **Entrepreneurship 1   
 CTE Internship  
 Career Management**Juniors and seniors can participate in a **CTE Internship** if they have completed at least two foundational courses in a specific CTE cluster. This counts as an enhancement course in all clusters. See counselor or CTE teacher for details.

**CTE Advanced Studies** is an excellent vehicle for completing the Graduation Project. The four components consist of a paper, project, portfolio, and presentation. CTE Advanced Studies must be directly aligned with a student’s career pathway. The teacher of record MUST be HQ in the program area. Prerequisite: Three technical credits within the same career cluster.

To be a “completer” (also called “concentrator”), students must complete 4 credits within the same career cluster. At least 3 of the 4 must be a foundational course. One of those 3 must be a second level (\*) course. The 4th credit, may be an enhancement course. CCP courses count as either foundational or enhancement courses – as long as they are within the same career cluster.

In compliance with federal laws, Wilkes County Schools administers all locally operated educational programs, employment activities and admissions without discrimination because of race, religion, national or ethnic origin, color, age, marital status, pregnancy, military service, disability, or gender, except where exemption is appropriate and allowed by law.  Questions or concerns should be directed to:

Dr. Westley Wood, Executive Director of Personnel  
Chris Skabo, Title IX Coordinator  
Tracee McManus, Executive Director of Exceptional Children, ADA  
Dr. Joe Bullis, Title 1, ESL/Title III   
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| **Career Cluster** | | **Foundational  Courses *Students must have at least three (3) credits from this list. To be a “completer” one of those credits must be a second-level course (indicated by an \*). All four (4) credits could come from this list.*** | **Career & College  Promise Courses Wilkes Community College *All CCP courses count as foundational and/or enhancement … as well as “completer” courses - as long as they are aligned with specific career clusters. NOTE: Exact course codes may change.*** | **Enhancement Courses**  ***A student’s fourth CTE cluster course may come from this list*** |
|  | | Agriscience Applications Ag. Production 1 & 2\*  Animal Science 1 & 2\* Ag. Mechanics 1 & 2\*  Horticulture 1 & 2\*  Env & Nat Resources 1 & 2\* Foods 1 & 2\* Personal Finance Project Management 1 & 2T CTE Advanced Studies | HOR 114 Landscape Construction  HOR 134 Greenhouse Operations  HOR 160 Plant Materials 1  HOR 162 Applied Plant Science  HOR 164 Horticultural Pest Mgt.  HOR 166 Soils & Fertilizers  HOR 168 Plant Propagation  ANS 115 Animal Feeds & Nutrition  ANS 116 Intro to the Equine Industry ANS 120 Beef Production  ANS 130 Poultry Production  ANS 150 Animal Health Mgt.  ACM 112 Facility Mgt.  AGR 139 Intro to Sustainable Ag. TRF 151 Intro Landscape Design | Prin. of Business & Finance MS Word, PPt & Pub. MS Excel & Access Entrepreneurship 1 CTE Internship Career Management |
|  | | Core&Sustain. Construction Masonry 1, 2\*, 3  Carpentry 1, 2\*, 3  Interior Design 1 & 2\* Drafting 1 & 2\* Prin. of Business & Finance Personal Finance Project Management 1 & 2T CTE Advanced Studies | ARC 111 Intro to Arch. Technology  ARC 114 Basic CAD ARC 114A Basic CAD Lab CST 251 Electrical Wiring Systems  AHR 110 Intro to Refrigeration  PLU 111 Intro to Plumbing | Agriculture Mechanics 1 MS Word, PPt & Pub. MS Excel & Access Multimedia & Web.Design Entrepreneurship 1 Apparel 1 CTE Internship Career Management |
|  | | Multimedia & Web Design MS Word, PPt & Pub. Project Management 1 & 2T Apparel 1 & 2\* Scientific & Tech Visual 1 Game Art Design\* Entrepreneurship 1 CTE Advanced Studies |  | Prin. of Business & Finance MS Excel & Access Interior Design 1 Personal Finance CTE Internship Career Management |
|  | | Prin. of Business & Finance Business Law\* Business Management Entrepreneurship 1\*  Accounting 1 MS Word, PPt & Pub Project Management 1& 2T\* CTE Advanced Studies MS Excel and Access |  | Multimedia & Web Design Personal Finance CTE Internship Career Management |
|  | | Prin. of Business & Finance Business Law Entrepreneurship 1 Accounting 1 & 2\* MS Excel & Access Personal Finance CTE Advanced Studies |  | MS Word, PPt & Pub Project Management 1 CTE Internship Career Management |
|  | | Health Team Relations Biomedical Tech. 1 & 2\* Health Science 1 & 2\* Nursing Fundamentals CTE Advanced Studies |  | Prin. of Business & Finance MS Word, PPt & Pub MS Excel & Access Personal Finance Parenting & Child Dev. Foods 1 Entrepreneurship 1 CTE Internship Career Management |
|  | | Foods 1 & 2\* Sports & Ent. Marketing 1 & 2\* Project Management 1  Entrepreneurship 1 CTE Advanced Studies Prin. of Business & Finance |  | MS Word, PPt & Pub MS Excel & Access Multimedia & Web Design Ag. Production 1 Personal Finance CTE Internship Career Management |
|  | | Parenting & Child Dev. Personal Finance Prin. of Business & Finance CTE Advanced Studies |  | MS Word, PPt & Pub MS Excel & Access Foods 1 Entrepreneurship 1 CTE Internship Career Management |
|  | | Prin. of Business & Finance MS Excel & Access Multimedia & Web Design\* Project Management 1 & 2T  Computer Program. 1 & 2\*  Intro. To Computer Science CTE Advanced Studies  MS Word, PowerPoint & Pub | CIS 110 Intro to Computers  CTI 110 Web.Pgm & Db Foundation  CTS 115 Info SystemsBus.Concepts  CTS 120 Hard/Software Support  DBA 110 Database Concepts | Entrepreneurship 1 Personal Finance CTE Internship Career Management |
| Law | | CTE Advanced Studies | CJC 112 Juvenile Justice  CJC 113 Criminology  CJC 131 Criminal Law  CJC 132 Court Pro and Evidence CJC 231Constitutional Law | Prin. of Business & Finance MS Word, PPt & Pub MS Excel & Access Personal Finance CTE Internship Career Management |
|  | | Prin. of Business & Finance Cabinetmaking 1, 2\*, 3 Project Management 1 & 2T CTE Advanced Studies Apparel 1 & 2\*Entrepreneurship 1  Adv. Manufacturing 1 & 2\* | WLD 110 Cutting Processes  WLD 115 SMAW (STICK) Plate  WLD 121 GMAW (MIG) Plate  WLD 131 GTAW (TIG) Plate WLD 141 Symbols and Specs.  WLD 151 Fabrication 1 | MS Word, PPt & Pub MS Excel & Access Multimedia & Web Design Personal Finance Agriculture Mechanics 1 Drafting 1  Career Management CTE Internship |
|  | | Prin. of Business & Finance Entrepreneurship 1\* Project Management 1 & 2T CTE Advanced Studies |  | Business Law MS Word, PPt & Pub MS Excel & Access Multimedia & Web Design Personal Finance Apparel 1 CTE Internship Career Management |
|  | | Principles of Technology  Adv. Manufacturing 1 & 2\* Tech., Eng. & Design  Technological Design\* Engineering Design\*  Scientific & Tech Vis. 1 & 2\* Drafting 1 & 2-Engineering\* Project Mgt 1 & 2T\* CTE Advanced Studies | DFT 119 Basic CAD  ISC 112 Industrial Safety BPR 111 Blueprint Reading CET 110 Intro to CET ATR 112 Intro to Automation MAC 121 Intro to CNC  MAC 122 CNC Turning MAC 124 CNC Milling MEC 111 Machine Processes 1  EGR 111 Intro to Engineering Tech. HYD 110 Hydraulics / Pneumatics 1 | Prin. of Business & Finance MS Word, PPt & Pub MS Excel & Access Multimedia & Web Design Horticulture 1 Entrepreneurship 1 Personal Finance CTE Internship Career Management |
|  | | Entrepreneurship 1 Project Management 1 & 2T CTE Advanced Studies | AUT 116 Engine Repair AUT 116A Engine Repair Lab  AUT 151 Automotive Brakes AUT 151A Automotive Brakes Lab AUT 181 Engine Performance 1 AUT 181A Engine Perf. 1 Lab TRN 110 Intro to Trans. Technology  TRN 120 Basic Trans. Electricity TRN 140 Trans. Climate Control TRN 140A Trans Climate Control Lab TRN 170 Basic PC Skills for Trans TRN 180 Basic Welding for Trans. | Prin. of Business & Finance MS Word, PPt & Pub MS Excel & Access Agriculture Mechanics 1 Personal Finance CTE Internship Career Management |