

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.

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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
Anna Lankford, Assistant Superintendent, Title II
Wayne Shepherd, CTE Director, Vocational Programs
April Marr, 504 Coordinator

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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 CoursesWilkes 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 ApplicationsAg. Production 1 & 2\* Animal Science 1 & 2\*Ag. Mechanics 1 & 2\* Horticulture 1 & 2\* Env & Nat Resources 1 & 2\*Foods 1 & 2\*Personal FinanceProject Management 1 & 2TCTE Advanced Studies | HOR 114 Landscape Construction HOR 134 Greenhouse OperationsHOR 160 Plant Materials 1HOR 162 Applied Plant ScienceHOR 164 Horticultural Pest Mgt.HOR 166 Soils & FertilizersHOR 168 Plant PropagationANS 115 Animal Feeds & NutritionANS 116 Intro to the Equine IndustryANS 120 Beef ProductionANS 130 Poultry ProductionANS 150 Animal Health Mgt.ACM 112 Facility Mgt.AGR 139 Intro to Sustainable Ag.TRF 151 Intro Landscape Design | Prin. of Business & FinanceMS Word, PPt & Pub.MS Excel & AccessEntrepreneurship 1CTE InternshipCareer Management |
|  | Core&Sustain. ConstructionMasonry 1, 2\*, 3 Carpentry 1, 2\*, 3 Interior Design 1 & 2\*Drafting 1 & 2\*Prin. of Business & FinancePersonal FinanceProject Management 1 & 2TCTE Advanced Studies |  ARC 111 Intro to Arch. TechnologyARC 114 Basic CADARC 114A Basic CAD LabCST 251 Electrical Wiring SystemsAHR 110 Intro to RefrigerationPLU 111 Intro to Plumbing | Agriculture Mechanics 1MS Word, PPt & Pub.MS Excel & AccessMultimedia & Web.DesignEntrepreneurship 1Apparel 1CTE InternshipCareer Management |
|  | Multimedia & Web DesignMS Word, PPt & Pub.Project Management 1 & 2TApparel 1 & 2\*Scientific & Tech Visual 1Game Art Design\*Entrepreneurship 1CTE Advanced Studies |  | Prin. of Business & FinanceMS Excel & AccessInterior Design 1Personal FinanceCTE InternshipCareer Management |
|  | Prin. of Business & FinanceBusiness Law\*Business ManagementEntrepreneurship 1\* Accounting 1MS Word, PPt & PubProject Management 1& 2T\*CTE Advanced StudiesMS Excel and Access |  | Multimedia & Web DesignPersonal FinanceCTE InternshipCareer Management |
|  | Prin. of Business & FinanceBusiness LawEntrepreneurship 1Accounting 1 & 2\*MS Excel & AccessPersonal FinanceCTE Advanced Studies |  | MS Word, PPt & Pub Project Management 1CTE InternshipCareer Management |
|  | Health Team RelationsBiomedical Tech. 1 & 2\*Health Science 1 & 2\*Nursing FundamentalsCTE Advanced Studies |  | Prin. of Business & FinanceMS Word, PPt & PubMS Excel & AccessPersonal FinanceParenting & Child Dev.Foods 1Entrepreneurship 1CTE InternshipCareer Management |
|  | Foods 1 & 2\*Sports & Ent. Marketing 1 & 2\*Project Management 1 Entrepreneurship 1CTE Advanced StudiesPrin. of Business & Finance |  | MS Word, PPt & PubMS Excel & AccessMultimedia & Web DesignAg. Production 1Personal FinanceCTE InternshipCareer Management |
|  | Parenting & Child Dev.Personal FinancePrin. of Business & FinanceCTE Advanced Studies |  | MS Word, PPt & PubMS Excel & AccessFoods 1Entrepreneurship 1CTE InternshipCareer Management |
|  | Prin. of Business & FinanceMS Excel & AccessMultimedia & Web Design\*Project Management 1 & 2TComputer Program. 1 & 2\*Intro. To Computer ScienceCTE Advanced Studies MS Word, PowerPoint & Pub | CIS 110 Intro to ComputersCTI 110 Web.Pgm & Db FoundationCTS 115 Info SystemsBus.ConceptsCTS 120 Hard/Software Support DBA 110 Database Concepts | Entrepreneurship 1Personal FinanceCTE InternshipCareer Management |
| Law | CTE Advanced Studies | CJC 112 Juvenile JusticeCJC 113 Criminology CJC 131 Criminal Law CJC 132 Court Pro and EvidenceCJC 231Constitutional Law | Prin. of Business & FinanceMS Word, PPt & PubMS Excel & AccessPersonal FinanceCTE InternshipCareer Management |
|  | Prin. of Business & FinanceCabinetmaking 1, 2\*, 3Project Management 1 & 2TCTE Advanced StudiesApparel 1 & 2\*Entrepreneurship 1Adv. Manufacturing 1 & 2\* | WLD 110 Cutting ProcessesWLD 115 SMAW (STICK) PlateWLD 121 GMAW (MIG) PlateWLD 131 GTAW (TIG) PlateWLD 141 Symbols and Specs.WLD 151 Fabrication 1 | MS Word, PPt & PubMS Excel & AccessMultimedia & Web DesignPersonal FinanceAgriculture Mechanics 1Drafting 1 Career ManagementCTE Internship |
|  | Prin. of Business & FinanceEntrepreneurship 1\*Project Management 1 & 2TCTE Advanced Studies |  | Business LawMS Word, PPt & PubMS Excel & AccessMultimedia & Web DesignPersonal FinanceApparel 1CTE InternshipCareer 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 SafetyBPR 111 Blueprint ReadingCET 110 Intro to CETATR 112 Intro to AutomationMAC 121 Intro to CNCMAC 122 CNC TurningMAC 124 CNC MillingMEC 111 Machine Processes 1 EGR 111 Intro to Engineering Tech. HYD 110 Hydraulics / Pneumatics 1 | Prin. of Business & FinanceMS Word, PPt & PubMS Excel & AccessMultimedia & Web DesignHorticulture 1Entrepreneurship 1Personal FinanceCTE InternshipCareer Management |
|  | Entrepreneurship 1Project Management 1 & 2TCTE Advanced Studies | AUT 116 Engine RepairAUT 116A Engine Repair LabAUT 151 Automotive BrakesAUT 151A Automotive Brakes LabAUT 181 Engine Performance 1AUT 181A Engine Perf. 1 LabTRN 110 Intro to Trans. TechnologyTRN 120 Basic Trans. ElectricityTRN 140 Trans. Climate ControlTRN 140A Trans Climate Control LabTRN 170 Basic PC Skills for TransTRN 180 Basic Welding for Trans. | Prin. of Business & FinanceMS Word, PPt & PubMS Excel & AccessAgriculture Mechanics 1Personal FinanceCTE InternshipCareer Management |