

Orange High School 2026-2027 Career & Technical Education Career Pathways					
In order to be a CTE Concentrator in a Career Pathway, a student must earn credit for the Concentrator course in that Career Pathway. The courses listed on this chart are taught on the OHS campus, although some courses are taught on a rotating basis, based on student course selections. Through the NC Career & College Promise (CCP) Program, juniors and seniors can enroll in community college courses for free and earn high school and college credit. College Transfer and Career & Technical Education (CTE) pathways are available. CTE credits earned through NC Community Colleges may also count in these Career Clusters. Students should speak with their Career Development Coordinator to determine how their community college CTE credits will count.					
<u>Agricultural Production (LCO)</u>	Agricultural Productions I	Agricultural Productions II	CTE Advanced Studies Honors CTE Internship	Foundations of Agriculture Career Management (NCVPS)	Agriculture Biotechnology, Agribusiness, Horticulture Technology, Agriculture Education, Sustainable Agriculture (ACC)
<u>Animal Science (ANSC)</u>	Animal Science I	Animal Science II - Food Animal Honors	CTE Advanced Studies Honors CTE Internship	Foundations of Agriculture Career Management (NCVPS)	Animal Care & Management (ACC)
<u>Apparel and Textile Production (ATPR)</u>	Fashion & Textile Fundamentals (name changed from Apparel and Textile Production I)	Apparel and Textile Production II	CTE Advanced Studies CTE Internship	Project Management I Entrepreneurship I Career Management (NCVPS)	
<u>AP Computer Science (APCS)</u>	AP Computer Science Principles	AP Computer Science A	CTE Advanced Studies CTE Internship	CompTIA IT Fundamentals Career Management (NCVPS)	Web Development, Business Support, Cyber Security, Programming (ACC) Computer Repair, Cybersecurity, Computer Science, Software Development (DTCC)
<u>Business Ethics & Law (BSEL)</u>	Business Ethics and Law I	Business Ethics and Law II	CTE Advanced Studies CTE Internship	Accounting I Career Management (NCVPS)	Business Administration (DTCC) Business & Marketing (ACC)
<u>Computer Engineering (COEN)</u>	CompTIA <i>(foundational prerequisite)</i> Computer Engineering Technology I Honors	Computer Engineering Technology II Honors	CTE Advanced Studies CTE Internship	Career Management (NCVPS)	Web Development, Business Support, Cyber Security, Programming (ACC) Computer Repair, Cybersecurity, Computer Science, Software Development (DTCC)
<u>Entrepreneurship (ENTRE)</u>	Entrepreneurship I	Entrepreneurship II	CTE Advanced Studies CTE Internship	Business Essentials Marketing I Career Management (NCVPS)	Business Administration - Entrepreneurship (DTCC)
<u>Food & Nutrition (FONU)</u>	Food & Nutrition I	Food & Nutrition II	CTE Advanced Studies CTE Internship	Career Management (NCVPS)	Culinary Arts (ACC)
<u>Interior Design (INDE)</u>	Interior Design I Fundamentals	Interior Design II Studio	CTE Advanced Studies CTE Internship	Apparel & Textile Production I Project Management I Career Management (NCVPS)	Architectural Technology/CAD (DTCC + ACC)
<u>Marketing Management (MMGT)</u>	Marketing I	Marketing II	CTE Advanced Studies CTE Internship	Business Essentials Career Management (NCVPS)	Business Administration: Marketing (DTCC + ACC)
<u>Network Administration (NEAD)</u>	Network Administration I	Network Administration II	CTE Advanced Studies CTE Internship	CompTIA IT Fundamentals Career Management (NCVPS)	Web Development, Business Support, Cyber Security, Programming (ACC) Computer Repair, Cybersecurity, Computer Science, Software Development (DTCC)
<u>Network Security (NESE)</u>	Cybersecurity I	Cybersecurity II	CTE Advanced Studies CTE Internship	CompTIA IT Fundamentals Career Management (NCVPS)	Web Development, Business Support, Cyber Security, Programming (ACC) Computer Repair, Cybersecurity, Computer Science, Software Development (DTCC)
<u>Plant Systems (PLSV)</u>	Horticulture I Introduction to Plants	Horticulture II Plant Production	CTE Advanced Studies CTE Internship	Foundations of Agriculture Career Management (NCVPS)	Horticulture Technology (ACC)
<u>PLTW Engineering (PLWE)</u>	PLTW Introduction to Engineering Design or PLTW Principles of Engineering or PLTW Engineering Essentials	PLTW Digital Electronics or PLTW Civil Engineering & Architecture	PLTW Capstone CTE Advanced Studies CTE Apprenticeship CTE Internship	Career Management (NCVPS)	Mechanical Engineering, Mechatronics Engineering (ACC)
<u>Power, Structural, & Technical Systems (PSTE)</u>	Agricultural Mechanics I	Agricultural Mechanics II Honors	CTE Advanced Studies CTE Internship	Foundations of Agriculture Career Management (NCVPS)	Welding, HVAC, Automotive Tech, Machining, Industrial Systems, Electrical, Mechanical Engineering, Mechatronics Engineering (ACC) Automotive Tech, HVAC, Industrial Sytems Maintenance, Machining, Welding (DTCC)
<u>Project Management (PMGT)</u>	Project Management I	Project Management II Honors	CTE Advanced Studies, CTE Internship, CTE Apprenticeship	Business Essentials Career Management (NCVPS)	Approved Career and College Promise Technical Education Pathway
<u>Sales (PRSM)</u>	Sales I	Sales II	CTE Advanced Studies CTE Internship	Business Essentials Marketing I Career Management (NCVPS)	Business Administration: Marketing (DTCC + ACC)
<u>Sports & Entertainment Marketing (SEMK)</u>	Sport & Event Marketing I	Sport & Event Marketing II Honors	CTE Advanced Studies or CTE Internship	Project Management I Entrepreneurship I Career Management (NCVPS)	Business Administration: Marketing (DTCC + ACC)

*Students that complete the concentrator course, will be required to take the industry-recognized WorkKeys credential as a senior..