**Wakefield High School Career & Technical Education Courses**

The mission of Career and Technical Education is to provide offerings that meet student needs, interests, abilities, and aspirations and respond to actual or anticipated opportunities for employment, advanced education, and practical life application.

To earn a concentration for graduation, students must take at least (4) technical credits in a Career Cluster; one earned **must** be a completer course identified by a asterisk (\*). The student may earn all four credits from foundation courses **or** three from foundation and one from enhancement courses for the Career Cluster. *Please also refer to the CTE Course Map Guide for recommendations on course sequencing.* ***Students who complete a CTE Concentration will be eligible to take the ACT WorkKeys Assessment to earn national certification in Career Readiness.***

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| **Agriculture, Food & Natural Resources career cluster graphic** | | **Architecture & Construction career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Foods I - Fundamentals  Foods II- Advanced\*  Foods II- Technology\*(H)  Teen Living  Personal Finance  Horticulture I  Horticulture II (H)  Horticulture II – Landscaping (H)\*  Horticulture II – Turf Grass\*  Project Management I | Entrepreneurship I  Marketing  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Principles of Business &Finance  CTE Apprenticeship  CTE Internship  CTE Advanced Studies | Core & Sustainable Construction  Carpentry I  Carpentry II\*  Carpentry III  Teen Living  Interior Design I  Interior Design II \*  Interior Applications  Drafting I  Drafting II – Architectural (H) \*  Drafting III – Architectural (H)  Personal Finance  Principles of Business & Finance  Project Management I | Apparel I  Marketing  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Multimedia Webpage & Design  Entrepreneurship I  CTE Advanced Studies  CTE Apprenticeship  CTE Internship |
| **Cluster Information:** Growing plants, harvesting crops, rising and training animals, the health of plants and animals, use of natural resources, and management of agricultural businesses and goods.  **Careers:** Farm management, agriculture scientist, veterinarian, forester, landscaper, nursery, florist, environmentalist, ranger, parks and recreation, conservationist.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=1&g=Go) | | **Cluster Information:** Design, planning, managing, building, and maintenance of physical structures: roadways and bridges, industrial, commercial, and residential facilities and buildings.  **Careers:** Architect, carpenter, electrician, roofer, masonry, surveyor, building and road construction, plumber, heating and air conditioning mechanic, CADD, contractor, engineer.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=2&g=Go) | |
| **Arts, A/V Technology & Communications career cluster graphic** | | **Business, Management & Administration career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Teen Living  Apparel I  Apparel II- Enterprise\*  Entrepreneurship I  Fashion Design III(H)  Marketing  Microsoft: Word, PPT, & Publisher  Project Management  Multimedia Webpage & Design  Digital Media  Advanced Digital Media\* | Interior Design I  Microsoft: Excel and Access  Personal Finance  Principles of Business & Finance  CTE Advanced Studies  CTE Apprenticeship  CTE Internship | Accounting I  Principles of Business & Finance  Business Law\*  Business Management\*  Microsoft: Word, PPT and Publisher  Entrepreneurship I\*  Entrepreneurship II(H)  Project Management I | Personal Finance  Marketing  Microsoft: Excel and Access  Multimedia Webpage & Design  Strategic Marketing (H)  CTE Advanced Studies  CTE Apprenticeship  CTE Internship |
| **Cluster Information:** Designing, producing, exhibiting, performing, writing, and publishing multimedia content (e.g., visual, performing arts and design, journalism, and entertainment services).  **Careers:** Camera operator, photographer, journalist, dancer, actor, director, musician, producer, painter, newscaster, web page designer, advertiser, public relations, editor, graphic design.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=3&g=Go) | | **Cluster Information:** Planning, managing, and providing administrative support, information processing, accounting, and human resource management services and business management support services.  **Careers:** Economist, treasurer, controller, auditor, secretary, legal and medical secretary, general manager, executive, financial manager, sales manager.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=4&g=Go) | |
| **Finance career cluster graphic** | | **Health Science career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Accounting I  Accounting II \*  Business Law  Entrepreneurship I  Microsoft: Excel and Access  Personal Finance  Principles of Business & Finance | Marketing  Microsoft: Word, PPT and Publisher  Project Management I  Strategic Marketing (H)  CTE Advanced Studies  CTE Apprenticeship  CTE Internship | Health Team Relations  Health Sciences I  Health Sciences II\* | Child Development  Entrepreneurship I  Foods I- Fundamentals  Marketing  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Personal Finance  Principles of Business & Finance  CTE Advanced Studies  CTE Internship |
| **Cluster Information:** Banking, investment, financial planning, economics, and insurance services, including managing and planning for firms and businesses involved in such services.  **Careers:** Banking, insurance services, stockbroker, financial planner, accountant, CPA, insurance agent/adjuster, actuary.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=6&g=Go) | | **Cluster Information:** Planning, managing, and providing diagnostic, therapeutic, treatment, research, and information services related to the physical and mental health of humans.  **Careers:** Physician, dentist, hygienist, dietician, nurse, nurse aide, occupational therapist, radiology technician, trainer, pharmacist.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=8&g=Go) | |
| **Hospitality & Tourism career cluster graphic** | | **Human Services career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Entrepreneurship I  Entrepreneurship II  Foods I – Fundamentals  Marketing  Sports and Entertainment Marketing I  Sports & Entertainment Marketing II (H)\*  Hospitality and Tourism  Project Management I | Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Multimedia Webpage Design  Personal Finance  Principles of Business & Finance  CTE Advanced Studies  CTE Apprenticeship  CTE Internship | Parenting & Child Development  Personal Finance  Principles of Business & Finance  Teen Living  Early Childhood Education I  Early Childhood Education II\* | Entrepreneurship I  Foods I  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  CTE Advanced Studies  CTE Apprenticeship  CTE Internship |
| **Cluster Information:** Provision of lodging, food, recreation, convention, tourism, travel and related planning and support services.  **Careers:** Tour guide, chef, food preparation and service, resort employee, travel agent, lodging and restaurant services, sports, caterer, resorts, management.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=9&g=Go) | | **Cluster Information:** Promoting and providing family and community relations and wellness, including family and work issues, religious services, care for the elderly, and social work.  **Careers:** Social worker, recreation worker, counselor, substance abuse counselor, minister, human resource manager.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=10&g=Go) | |
| **Information Technology career cluster graphic** | | **Marketing career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Microsoft: Excel and Access  Multimedia Webpage Design  Principles of Business & Finance  Computer Engineering Technology I  Computer Engineering Technology II\*  Network Engineering Technology I  Network Engineering Technology II (H)\*  Project Management I | Entrepreneurship I  Microsoft: Word, PPT and Publisher  Personal Finance  CTE Advanced Studies  CTE Apprenticeship  CTE Internship | Entrepreneurship I\*  Entrepreneurship II(H)  Marketing  Principles of Business and Finance  Strategic Marketing (H)  Project Management I  Marketing Management (H)\* | Apparel I  Business Law  Marketing Advanced Studies \*  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Multimedia Webpage Design  Personal Finance  CTE Advanced Studies  CTE Internship |
| **Cluster Information:** Design, development, management, maintenance, and operation of computer, information, communication, and technology networks, including related hardware and software.  **Careers:** Programmer, web designer, computer engineer, database administrator, network systems, data communication, computer support, upgrade and repair.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=11&g=Go) | | **Cluster Information:** Planning, managing, and performing marketing activities to reach organizational objectives  **Careers:** Advertising Account Executive, Agent, Appraiser, Communications Specialist, Customer Service Representative, Entrepreneur, Fashion Retailer, Importer / Exporter, Insurance Agent, Market Research Analyst, Marketing Specialist, Media Buyer, Public Relations Specialist, Retail Buyer, Sales Representative, Sports Marketer, Technical Sales Representative, Travel Agent, Visual Merchandiser, Web Developer, Website Designer  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=14&g=Go) | |
| **Science, Technology, Engineering & Mathematics career cluster graphic** | | **Transportation, Distribution & Logistics career cluster graphic** | |
| **Foundational Courses** | **Enhancement Courses** | **Foundational Courses** | **Enhancement Courses** |
| Drafting I  Drafting II – Engineering (H) \*  Drafting III - Engineering  Project Management I | Entrepreneurship I  Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Multimedia Webpage Design  Horticulture I  Personal Finance  Principles of Business and Finance  CTE Advanced Studies  CTE Apprenticeship  CTE Internship | Entrepreneurship I  Marketing  Strategic Marketing(H)  Marketing Management (H)\*  Project Management I | Microsoft: Excel and Access  Microsoft: Word, PPT and Publisher  Personal Finance  Principles of Business and Finance  CTE Advanced Studies  CTE Apprenticeship  CTE Internship |
| **Cluster Information:** Engineering, related technologies, scientific research and application of scientific principles in all the natural sciences (e.g., biology, chemistry, earth science, and physics) and social sciences (e.g., economics, sociology, geography archeology, anthropology).  **Careers:** Chemical and civil engineer, geologist, computer hardware engineer, atmospheric and space scientist, mechanical engineer, electrical/electronics engineer, Nuclear engineer, Physicist, Biologist, Chemist, Astronaut.  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=15&g=Go) | | **Cluster Information:** The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.  **Careers:** Air Traffic Controller, Aircraft Mechanic, Autobody Repairer, Automobile Salesperson, Automotive Painter , Automotive Service Technician, Avionics Tech, Civil Engineer, Customs Broker, Dispatcher, Flight Attendant, GIS Specialist, Logistics Specialist, Operations Research Analyst, Purchaser, Shipping and Receiving Clerk  [Click here for a complete list of these careers and for more information](http://www.onetonline.org/find/career?c=16&g=Go) | |