

DEPARTMENT OF TEACHING & LEARNING

CAREER & TECHNICAL EDUCATION

Course Offerings & Industry Certifications

Career and Technical Education (CTE) is a planned program of courses and learning experiences. CTE students learn academic concepts in an applied instructional setting which prepares them for success and enhanced earning potential in their chosen career fields. This instruction allows students to obtain industry certifications and gain fundamental knowledge that facilitates smooth transition into postsecondary education or the workforce.

An industry certification is a recognized third-party or governing board administered assessment, examination or licensure that measures occupational competency and validates a knowledge base and skills that shows mastery in a particular industry. Industry certifications are available for students in grades 9 - 12.

High School CTE Courses & Certifications

Business & Information Technology

- Accounting
- Accounting, Advanced*
- AP Computer Science Principles**
- Business Law
- Business Management
- Digital Applications
- Computer Information Systems
- Computer Information Systems, Advanced*
- Computer Network Software Operations
- Computer Network Software Operations, Advanced*
- Cybersecurity*
- Design, Multimedia, and Web Technologies
- Economics & Personal Finance
- Information Technology Fundamentals
- Principles of Business & Marketing
- Programming



Available Industry Certifications:

- Microsoft Office Specialist
- Workplace Readiness Skills for the Commonwealth Examination
- WISE Financial Literacy Certification
- AP Computer Science Principles Examination

Family & Consumer Sciences

- Introduction to Culinary Arts
- Nutrition & Wellness
- Food Science & Dietetics*

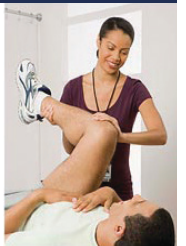
Available Industry Certifications:

- AAFCS Culinary Arts Examination
- AAFCS Food Science Fundamentals
- Workplace Readiness Skills for the Commonwealth Examination



Health & Medical Sciences

- Biomedical Innovation (Project Lead the Way)*
- Health Assisting Careers
- Human Body Systems (Project Lead the Way)
- Introduction to Health and Medical Sciences
- Medical Interventions (Project Lead the Way)
- Medical Laboratory Technology I
- Medical Laboratory Technology II*
- Medical Terminology
- Principles of Biomedical Science (Project Lead the Way)
- Honors Nurse Aid I



Available Industry Certifications:

- NOCTI Health Assisting Assessment
- National Nurse Aide Assessment Program (NNAAP) Examination: Virginia Board of Nursing
- Workplace Readiness Skills for the Commonwealth Examination

Marketing

- Entrepreneurship Education
- Entrepreneurship Education, Advanced*
- Marketing
- Strategic Marketing*
- Fashion Marketing
- Sports & Entertainment Marketing



Available Industry Certifications:

- National Retail Federation Customer Service and Sales
- National Retail Federation Business of Retail: Operations and Profit Examination
- Workplace Readiness Skills for the Commonwealth Examination

* Honors Weighted Course

** Advanced Placement Weighted Course

High School CTE Courses & Certifications (Cont.)

Military Science (Navy, Air Force & Army)

- Military Science I
- Military Science II
- Military Science III
- Military Science IV*

Available Industry Certifications:

- Armed Services Vocational Aptitude Battery (ASVAB) Examination
- Workplace Readiness Skills for the Commonwealth Examination
- NOCTI JROTC Leadership and Employability Skills



Technology & Engineering Education

- Aerospace Engineering
- Aerospace Technology I
- Aerospace Technology II
- Architectural Drawing and Design*
- Digital Electronics in Aviation* (Project Lead the Way)
- Digital Electronics in Robotics* (Project Lead the Way)
- Engineering Design & Development Capstone (Project Lead the Way)*
- Engineering Explorations
- Engineering Drawing and Design
- Introduction to Engineering Design (Project Lead the Way)
- Modeling & Simulation Technology*
- Principles of Engineering (Project Lead the Way)
- Technical Drawing and Design
- Unmanned Aircraft Systems*
- Unmanned Aircraft Systems, Advance



Available Industry Certifications:

- Autodesk Certified User Examinations
- Project Lead the Way End-of-Course Tests
- Workplace Readiness Skills for the Commonwealth Examination
- Small Unmanned Aircraft Systems (UAS) Safety Certification Examination
- Unity

Middle School CTE Courses

Business & Information Technology

- Keyboarding - 6th grade
- Computer Solutions - 7th grade
- Digital Technology Foundations- 8th grade

Family & Consumer Sciences

- Family & Consumer Sciences Exploratory I - 6th grade
- Family & Consumer Sciences Exploratory II - 7th grade
- Family & Consumer Sciences Exploratory III - 8th grade

Technology & Engineering Education

- Introduction to Technology - 6th grade
- Inventions and Innovations - 7th grade
- Technological Systems - 8th grade

Trade & Industrial Education

- Air Traffic Controller*
- Aircraft Pilot Training I
- Aircraft Pilot Training II*
- Aviation Maintenance Technology I
- Aviation Maintenance Technology II*
- Aviation Operations Management
- Telecommunications I*
- Telecommunications II*
- TV & Media Production I
- TV & Media Production II*
- TV & Media Production III*
- Video and Media Technology



Available Industry Certifications:

- NOCTI Television Production Assessment
- Workplace Readiness Skills for the Commonwealth Examination
- FAA Private Pilot Written Test

* Honors Weighted Course

** Advanced Placement Weighted Course



For additional information contact:

Newport News Public Schools
Career & Technical Education (CTE)

12465 Warwick Blvd. • Newport News, VA 23606
<http://www.nnschools.org/cte/courseofferings.html>

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The Human Resources Supervisor, Newport News Public Schools, at 12507 Warwick Blvd., Newport News, VA 23606, (757-881-5061), is responsible for coordinating the division's efforts to meet its obligations under Section 504, Title IX, the ADA, and their implementing regulations.