

# NNPS CTE

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
- Programming, Advanced\*



#### Available Industry Certifications:

- Microsoft Office Specialist
- Microsoft Technology Associate
- 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
- Food Science Fundamentals
- Workplace Readiness Skills for the Commonwealth Examination

#### Health & Medical Sciences

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



#### Available Industry Certifications:

- NOCTI Health Assisting Assessment
- NOCTI Nursing Assisting Assessment
- Workplace Readiness Skills for the Commonwealth Examination

#### Marketing

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



#### Available Industry Certifications:

- National Retail Federation Customer Service and Sales
- National Retail Federation Advanced Customer Service and Sales
- 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\*

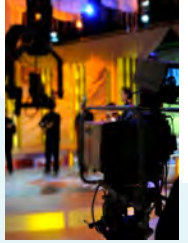
### Available Industry Certifications:

- Armed Services Vocational Aptitude Battery (ASVAB) Examination
- Workplace Readiness Skills for the Commonwealth Examination



## 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
- Criminal Justice I in Aviation
- Criminal Justice II in Aviation\*
- Public Safety I in Aviation
- Public Safety II in Aviation\*
- Telecommunications I\*
- Telecommunications II\*
- TV & Media Production I
- TV & Media Production II\*
- TV & Media Production III\*
- Video and Media Technology



## Technology 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)
- Digital Visualization
- Engineering Design & Development Capstone (Project Lead the Way)\*
- 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



### Available Industry Certifications:

- Skills USA Criminal Justice and CSI Examination
- NOCTI Emergency and Fire Management Services Assessment
- Protective Services Assessment
- NOCTI Television Production Assessment
- Workplace Readiness Skills for the Commonwealth Examination
- FAA Private Pilot Written Test

### Available Industry Certifications:

- Autodesk Certified User Examinations
- Microsoft Technology Associate
- Project Lead the Way End-of-Course Tests
- Workplace Readiness Skills for the Commonwealth Examination

\* Honors Weighted Course

\*\* Advanced Placement Weighted Course

## Middle School CTE Courses

### Business & Information Technology

- Keyboarding - 6th grade
- Computer Solutions - 7th grade
- Digital Input Technologies - 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 Education

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

## Newport News Public Schools

# NNPS CTE

### Career & Technical Education

### 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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