Business Partners Information

If you are interested in becoming a business partner with the Manassas City Public Schools Career and Technical Education Department reach out to the related program advisor or contact the CTE administration.

Business partners help in many ways. They can become program advisors, guest speakers, work-based learning partners, and can give related industry standard advice and experience.

See the dedicated business advisory brochure for more detailed information.

Work-Based Learning Information

Work-Based Learning (WBL) is an educational strategy that provides students with real-life work experiences where they can apply academic and technical skills and develop their employability.

Work–Based Learning strategies:
- Apprenticeship, internship or mentorship
- Job shadowing
- Business/Industry field trips
- Entrepreneurial experience
- Cooperative education
- School-based enterprise
- Service learning

See the dedicated Work-Based Learning brochure for more detailed information.

Credentials and Certifications

- Cosmetology State Board of Licensing Certification
- EPA 608 – Refrigerant Handling Certification
- OSHA 10 – Occupational Safety and Health Administration 10-Hour Card
- Automotive Service Excellence Student Certifications
- Adobe Certification
- Workplace Readiness
- Wise Financial Literacy certification
- Microsoft Office Certifications in Powerpoint, Word, Excel and Access
- Intuit Quickbooks Certified User
- SkillsUSA Commercial Photography Examination
- Adobe CS6 Indesign & Dreamweaver
- Virginia Emergency Medical Technician License
- Autodesk Inventor: Certified User
- Autodesk Revit: Certified User

CTE Student Organizations

SkillsUSA – is a United States career and technical student organization serving more than 395,000 high school, college and middle school students and professional members enrolled in training programs in trade, technical and skilled service occupations, including health occupations.

FBLA – The Future Business Leaders of America is an American career and technical student organization. Established in 1940, FBLA-PBL is a non-profit organization of high school who primarily help students transition to the business world.

FIRST ROBOTICS – The first and highest-scale program developed through FIRST is the FIRST Robotics Competition (FRC), which is designed to inspire high school students to become engineers by giving them real world experience working with engineers to develop a robot.
Osbourn High School CTE Course Information

Architecture & Construction
- Carpentry (10-12)
- Construction Technology (9-11)
- Production Systems (9-12)
- Architectural Drawing (10-12)

Business & Finance Academy
- Accounting (9-12)
- Advanced Accounting (10-12)
- Entrepreneurship (9-12)
- Business Management (10-12)
- Design, Multimedia & Web Technologies (10-12)
- Advanced Design, Multimedia and Web Technologies (11-12)
- Economics & Personal Finance (10-12)
- Fashion Marketing (10-12)

Health & Human Services Academy
- Cosmetology 1, 2 (10-12)
- Criminal Justice 1 & 2 (11-12)
- Emergency Medical Technician 1 & 2 (11-12)

STEM & IT Academy
- Computer Information Systems (9-12)
- Advanced Computer Information Systems (10-12)
- Cybersecurity Fundamentals (9-12)
- Cybersecurity: Computer Systems Technology (10-12)
- Computer Network Software Operations (11-12)
- Technology of Robotics Design (10-12)
- Programming (Coding) (9-12)
- PLTW Aerospace Engineering (10-12)
- PLTW Introduction to Engineering Design (9-11)
- PLTW Engineering Design & Development (10-12)
- PLTW Principles of Engineering (10-12)
- PLTW Digital Electronics (10-12)
- PLTW Civil Engineering and Architecture (10-12)

Transportation, Distribution & Logistics
- Auto Technology 1 & 2 (10-12)

Arts & Humanities
- Commercial Photography I & II

Governor’s STEM Academy Information
What is the Governor’s STEM Academy?
- A special program designation earned by qualified high school Career and Technical Education Programs that have developed partnerships with local industry and business.
- Three pathways: Automotive, Networking/IT and Engineering
- All pathways begin with Project Lead the Way Introduction to Engineering

Why do I want to be a Governor’s STEM Academy student?
- Prestigious honor-elite group of students earn a Governor’s STEM Academy
- Advanced Science and Technical Studies Seal on their diploma
- Build relationships with local businesses that can lead to employment after high school or college.

See the Governor’s STEM Academy brochure for more detailed information.