

Charting the Course

CLICK THE LINKS BELOW TO EXPLORE...



Career Clusters

- [Agriculture, Food & Natural Resources](#)
- [Architecture & Construction](#)
- [Arts, A/V Technology & Communications](#)
- [Business Management & Administration](#)
- [Education & Training](#)
- [Finance](#)
- [Government & Public Administration](#)
- [Health Science](#)
- [Hospitality & Tourism](#)
- [Human Services](#)
- [Information Technology](#)
- [Law, Public Safety, Corrections & Security](#)
- [Manufacturing](#)
- [Marketing](#)
- [Science, Technology, Engineering & Mathematics \(STEM\)](#)
- [Transportation, Distribution & Logistics](#)

TCE Center Programs

- [Advanced Technology Center](#)
- [Tech Center](#)

High School Academies

- [Entrepreneurship & Business](#)
- [Global Studies & World Languages](#)
- [Governor's STEM & Technology](#)
- [Green Run Collegiate](#)
- [Health Sciences](#)
- [International Baccalaureate](#)
- [Legal Studies](#)
- [Mathematics & Science](#)
- [Visual & Performing Arts](#)

Dual Enrollment Programs

- [Tidewater Community College \(TCC\)](#)

Transportation, Distribution, & Logistics

This Program of Study exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

Pathways:

- Facility and Mobile Equipment Maintenance
- Health, Safety and Environmental Management
- Logistics Planning and Management Services
- Sales and Services
- Transportation Operations
- Transportation/Systems Infrastructure Planning Management, and Regulations
- Warehousing and Distribution Center Operations



Map pin denotes Virginia Beach Economic Development key industries aligned with career clusters.

Suggested Learning Experiences

Middle School Electives	<ul style="list-style-type: none"> • Exploratory Technology Education Exploratory, Computer Solutions, Advanced Computer Solutions, and Keyboarding
Advanced Studies Diploma Coursework	<ul style="list-style-type: none"> • ENGLISH: Any sequence meeting graduation requirements • MATH: Algebra I, Geometry, Algebra II, any 4th math credit • SCIENCE: Earth Science, Biology, Chemistry, any 4th science credit • SOCIAL STUDIES: Any sequence meeting graduation requirements
Standard Diploma Coursework	<ul style="list-style-type: none"> • ENGLISH: Any sequence meeting graduation requirements • MATH: Algebra I, Geometry, Algebra II or any 3rd math credit • SCIENCE: Earth Science, Biology, any 3rd science credit • SOCIAL STUDIES: Any sequence meeting graduation requirements
Career Coursework	<ul style="list-style-type: none"> • Power & Transportation
Academy/Center Programs	<ul style="list-style-type: none"> • Technical & Career Education Center
Industry Certifications	<ul style="list-style-type: none"> • ASE (Automatic Transmission/Transaxle, Brakes, Electronic Systems, Engine Performance, Engine Repair, Heating & Air Conditioning, Maintenance & Light Repair, Manual Drive Train & Axles, Mechanical & Electrical, Non-structural Analysis & Damage Repair, Painting & Refinishing, Structural Analysis & Damage Repair, Suspension & Steering), Auto Service Excellence (ASE), Auto Technician (ASE), Automotive Technician Core Assessment, Automotive Youth Educ. System, AYES (Brakes, Electrical, Engine Performance, Suspension & Steering), Collision Repair & Refinishing Tec, GEF: Sustainability 101, NOCTI (Automotive Technical - Core, Collision Rep/Refinish Tech, Electronics, Electronics Technology, Small Engine Technology, Collision Repair & Refinishing Tech), S/P2 EPA Mechanical Safety, S/P2 Pollution Prevention
Student Organizations	<ul style="list-style-type: none"> • SkillsUSA
Career Exploration/Enrichment	<ul style="list-style-type: none"> • RU Ready • VA Wizard for College & Career Information • VA Career V.I.E.W. for K-8 Career Information • Major Clarity
Co-operative Education/Internships	<ul style="list-style-type: none"> • Co-op or internship recommended



Transportation, Distribution, & Logistics

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
FACILITY & MOBILE EQUIPMENT MAINTENANCE				
Auto Body Repair Automotive & Diesel Technology	Auto Body Repair Auto Mechanics Aviation Airframe Maintenance Industrial Maintenance Electronics	Aeronautical & Aerospace Engineering Technology Automotive Technology Aviation Airframe Maintenance Electronic Technology	Engineering Industrial Engineering Mechanical Engineering	Industrial & Management Systems Engineering Mechanical Engineering
HEALTH, SAFETY & ENVIRONMENTAL MANAGEMENT				
		Environmental Engineering Technology	Engineering Physics Environmental Engineer Environmental Science Environmental Studies Industrial Engineering	Environmental Engineering Environmental Science Environmental Studies
LOGISTICS PLANNING & MANAGEMENT SERVICES				
	Business	Business Administration Industrial Technology Logistics & Materials Management	Business Administration Industrial Distribution Industrial Technology Management Technology Operations Management Logistics & Material Management	Engineering Management Industrial & Management Systems Engineering Operations Management
SALES & SERVICE				
Cashier Customer Service Travel Agent	Desktop Publishing Entrepreneurship Parts, Sales & Management Travel Services	Business Marketing Marketing Management Parts, Sales & Management	Advertising Business Marketing	Advertising Business Marketing
TRANSPORTATION OPERATIONS				
Taxi Driving Locomotive Engineering Bus Driving Truck Driving	Air Traffic Control CDL Driver Training Class A, B Commercial Pilot & Flight Crew Training Vehicle & Equipment Operations	Air Traffic Control Commercial Pilot & Flight Crew Training	Air Traffic Control	
TRANSPORTATION SYSTEMS, INFRASTRUCTURE, PLANNING, MANAGEMENT & REGULATION				
		Civil Engineering Surveying & CAD	Aviation Systems Management Civil Engineering Maritime Studies Naval Architecture & Marine Engineering	Civil Engineering Engineering Management Naval Architecture & Marine Engineering
WAREHOUSING & DISTRIBUTION CENTER OPERATIONS				
Shipping & Receiving Storage & Distribution	CDL Driver Training Class A, B Forklift Training	Business Logistics & Materials Management Warehouse Management	Business Logistics & Material Management	Business Logistics & Material Management