

Career and Technical Education (CTE) Career Clusters and Pathways

Developed by the U.S. Department of Education, there are 17 Career Clusters representing most occupations, which are divided into pathways. T.C. Williams High School offers courses that fit into 14 of these 17 Career Clusters.

This chart correlates the CTE courses at T.C. Williams High School with 14 of the 17 Career Clusters and pathways designated by the Office of Career and Technical Education at the Virginia Department of Education.

CAREER CLUSTER	CAREER PATHWAY	CTE COURSES
Architecture and Construction	Design/Pre-Construction	Advanced Architectural Drawing and Design II
Arts, Audio/Visual Technology and Communications	Journalism and Broadcasting	Television and Media Production I
		Dual Enrollment Television and Media Production II
		Television and Media Production III
	Visual Arts	Commercial Photography I
		Commercial Photography II
Business Management and Administration	Business Information Management	Business Law Business Management
Education and Training	Teaching and Training	Dual Enrollment Advanced Early Childhood Education and Services II
		Introduction to Early Childhood Education and Services I
		Dual Enrollment Teachers for Tomorrow
Finance	Accounting	Accounting I Advanced Accounting II
	Business Finance	AOF Economics and Personal Finance AOF Introduction to Financial Services Dual Enrollment AOF Introduction to Business and International Finance
Government and Public Administration	National Security	JROTC I JROTC II JROTC III JROTC IV
Health Science	Therapeutic Services	Dual Enrollment Emergency Medical Technician I & II Dual Enrollment Emergency Medical Technician III Dual Enrollment Introduction to Health and Medical Sciences Dual Enrollment Medical Laboratory Technology I

		Dual Enrollment Medical Laboratory Technology II Dual Enrollment Medical Terminology Dual Enrollment Nurse Aide I Dual Enrollment Nurse Aide II Dual Enrollment Pharmacy Technician I Dual Enrollment Pharmacy Technician II Dual Enrollment Sports Medicine I Dual Enrollment Sports Medicine II Dual Enrollment Sterile Processing Dual Enrollment Surgical Technologist
	Diagnostic Services	Dual Enrollment Biotechnology Foundations in Health and Medical Sciences Dual Enrollment Introduction to Health and Medical Sciences Dual Enrollment Medical Laboratory Technology I Dual Enrollment Medical Laboratory Technology II Dual Enrollment Medical Terminology Dual Enrollment Sports Medicine I Dual Enrollment Sports Medicine II Dual Enrollment Sterile Processing
	Health Informatics	Dual Enrollment Health Informatics Dual Enrollment Biotechnology Foundations in Health and Medical Sciences Dual Enrollment Introduction to Health and Medical Sciences Dual Enrollment Medical Laboratory Technology I Dual Enrollment Medical Laboratory Technology II Dual Enrollment Medical Terminology Dual Enrollment Pharmacy Technician I Dual Enrollment Pharmacy Technician II
	Support Services	Dual Enrollment Biotechnology Foundations in Health and Medical Sciences Dual Enrollment Medical Terminology Dual Enrollment Pharmacy Technician I Dual Enrollment Pharmacy Technician II
	Biotechnology Research and Development	Dual Enrollment Biotechnology Foundations in Health and Medical Sciences

		Dual Enrollment Biotechnology and Forensics Foundations Dual Enrollment Medical Laboratory Technology I Dual Enrollment Medical Laboratory Technology II Dual Enrollment Sterile Processing
Hospitality and Tourism	Recreation, Amusements and Attractions	Sports and Entertainment Marketing Sports and Entertainment Management
	Restaurants and Food and Beverage Services	Introduction to Culinary Arts I Culinary Arts II
	Travel and Tourism	Hospitality and Tourism Marketing
Human Services	Early Childhood Development and Services	Child Development
	Personal Care Services	Cosmetology I Cosmetology II
Information and Technology	Information Support and Services	Advanced Computer Information Systems II Cybersecurity Fundamentals Computer Information Systems I
	Web and Digital Communications	Graphic Design and Multimedia I Advanced Graphic Design and Multimedia II
	Network Systems: Cybersecurity and Cloud Computing	Cybersecurity Fundamentals Networking Hardware Operations I and II Electronics Systems I Electronics Systems II
Law, Public Safety, Corrections and Security	Law Enforcement Services	Criminal Justice I Criminal Justice II
Marketing	Marketing Management	Marketing I Advanced Marketing II Dual Enrollment Entrepreneurship: Business Ownership and Management Dual Enrollment Advanced Entrepreneurship
	Merchandising	Fashion Marketing I Advanced Fashion Marketing II Introduction to Fashion Careers
Science, Technology, Engineering and Mathematics	Engineering and Technology	Advanced Engineering Drawing and Design II Aerospace Technology I Aerospace Technology II Dual Enrollment Biotechnology and Forensics Foundations Electronics Systems I Electronics Systems II

		Engineering Analysis and Applications II (Robotics) Engineering Explorations I Dual Enrollment Introduction to Engineering Sustainability and Renewable Technologies Technical Drawing and Design I
Transportation, Distribution and Logistics	Facility and Mobile Equipment Maintenance	Automotive Technology I Dual Enrollment Automotive Technology II Dual Enrollment Automotive Technology III