

CAREER & TECHNICAL EDUCATION - PROGRAMS OF STUDY - AT A GLANCE

PROGRAM OF STUDY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
AGRICULTURE, FOOD, AND NATURAL RESOURCES				
ANIMAL SCIENCE	Principles of Agriculture, Food, and Natural Resources	Equine Science Small Animal Management	Livestock Production	Practicum in Agriculture, Food, and Natural Resources <i>*Certified Veterinary Assistant Level 1</i> Veterinary Medical Applications
AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS		Agricultural Mechanics and Metal Technologies	Agricultural Structures Design and Fabrication <i>*American Welding Society</i>	Practicum in Agriculture, Food, and Natural Resources
ENVIRONMENTAL AND NATURAL RESOURCES		Wildlife, Fisheries, and Ecology Management	Student Choice	
PLANT SCIENCE		Landscape Design and Management	Floral Design <i>*Texas State Florists' Association Knowledge Based</i> <i>*Texas State Florists' Association Level 1</i> Horticultural Science	Advanced Floral Design <i>*Texas State Florists' Association Level 2</i> Practicum in Agriculture, Food, and Natural Resources <i>*Texas State Florists' Association Level 2</i>
ARCHITECTURE AND CONSTRUCTION				
ARCHITECTURAL DRAFTING AND DESIGN	Student Choice <small>(new course coming soon)</small>	Architectural Design I <i>*Autodesk Certified User in AutoCAD</i> Interior Design I	Architectural Design II <i>*Autodesk Certified User in Revit Architecture</i>	Career Preparation
ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS				
DIGITAL COMMUNICATIONS	Principles of Arts, A/V Technology, and Communications	Audio Video Production I <i>*Adobe Certified Professional in Premiere Pro</i>	Audio Video Production II/Lab <i>*Adobe Certified Professional in After Effects</i>	Career Preparation
GRAPHIC DESIGN AND INTERACTIVE MEDIA - ANIMATION	Principles of Arts, A/V Technology, and Communications Video Game Design	Animation I	Student Choice <small>(new course coming soon)</small>	
GRAPHIC DESIGN AND INTERACTIVE MEDIA - FASHION DESIGN	Principles of Arts, A/V Technology, and Communications	Fashion Design I	Fashion Design II/Lab	
GRAPHIC DESIGN AND INTERACTIVE MEDIA - GRAPHIC DESIGN		Graphic Design and Illustration I <i>*Adobe Certified Professional in Illustrator/Photoshop</i>	Graphic Design and Illustration II/Lab <i>*Adobe Certified Professional in Illustrator/InDesign/Photoshop</i>	
GRAPHIC DESIGN AND INTERACTIVE MEDIA - VIDEO GAME PROGRAMMING	Principles of Arts, A/V Technology, and Communications Video Game Design	Video Game Programming	Student Choice <small>(new course coming soon)</small>	
BUSINESS, MARKETING, AND FINANCE				
ACCOUNTING AND FINANCIAL SERVICES	Principles of Business, Marketing, and Finance Business Information Management I	Accounting I <i>*NOCTI Accounting Foundations</i>	Accounting II Honors <i>*Intuit Quickbooks Certified User</i>	Career Preparation
BUSINESS MANAGEMENT		Business Information Management II <i>*Microsoft Office Specialist Access Expert/Excel Expert/Word Expert</i> Business Law	Global Business	
ENTREPRENEURSHIP		Entrepreneurship <i>*Entrepreneurship and Small Business</i>	Student Choice <small>(new course coming soon)</small>	
MARKETING AND SALES	Principles of Business, Marketing, and Finance	Entrepreneurship <i>*Entrepreneurship and Small Business</i> Fashion Marketing Sports and Entertainment Marketing	Social Media Marketing <i>*Stukent Social Media Marketing</i>	



Every program of study ties to an endorsement. Industry based certifications are listed in *italics*.
For more information, visit our website: www.pisd.edu/cte-programs-of-study

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EDUCATION AND TRAINING					
TEACHING AND TRAINING	Principles of Human Services	Child Development	Instructional Practices (Intro to Teaching)	Career Preparation Practicum in Education and Training <i>*Educational Aide I</i>	
ENGINEERING					
ENGINEERING FOUNDATIONS	Gateway to Technology Introduction to Engineering Design (PLTW)	Student Choice	Aerospace Engineering (PLTW) Digital Electronics (PLTW) Engineering Design and Development (PLTW) Engineering Science (PLTW)	Student Choice	
HEALTH SCIENCE					
DIAGNOSTIC AND THERAPEUTIC SERVICES	Principles of Health Science	Medical Terminology	Anatomy and Physiology Health Science Theory	Pharmacology <i>*Pharmacy Technician</i> Practicum in Health Science I Practicum in Health Science II <i>*Patient Care Technician</i>	
NURSING SCIENCE					
HEALTH INFORMATICS	Principles of Health Science Business Information Management I		Health Science Theory	Practicum in Health Science I Practicum in Health Science II <i>*Patient Care Technician</i> World Health Research	
HOSPITALITY AND TOURISM					
CULINARY ARTS	Principles of Hospitality and Tourism Introduction to Culinary Arts	Culinary Arts Entrepreneurship <i>*Entrepreneurship and Small Business</i>	Student Choice (new course coming soon)	Career Preparation Food Science Practicum in Culinary Arts <i>*ServSafe Manager</i>	
TRAVEL, TOURISM, AND ATTRACTIONS		Entrepreneurship <i>*Entrepreneurship and Small Business</i> Sports and Entertainment Marketing	Global Business	Career Preparation	
HUMAN SERVICES					
HEALTH AND WELLNESS	Dollars and Sense Principles of Human Services	Child Development Lifetime Nutrition and Wellness	Counseling and Mental Health	Career Preparation Food Science	
INFORMATION TECHNOLOGY					
CYBERSECURITY	Fundamentals of Computer Science	AP Computer Science Principles Computer Science I Internetworking Technologies I	AP Computer Science A Internetworking Technologies II	Student Choice (new course coming soon)	
PROGRAMMING AND SOFTWARE DEVELOPMENT		AP Computer Science Principles Computer Science I	AP Computer Science A Computer Science II	Career Preparation Computer Science III Honors <i>*Oracle Certified Associate, Java SE 8 Programmer</i>	
LAW AND PUBLIC SERVICE					
LAW ENFORCEMENT	Principles of Law, Public Safety, Corrections, and Security	Law Enforcement I	Counseling and Mental Health Law Enforcement II	Forensic Science	
TRANSPORTATION, DISTRIBUTION, AND LOGISTICS					
AUTOMOTIVE AND COLLISION REPAIR	Student Choice (new course coming soon)	Collision Repair <i>*Automotive Service Excellence</i>	Automotive Technology I: Maintenance and Light Repair <i>*Automotive Service Excellence</i> Paint and Refinishing <i>*Automotive Service Excellence</i>	Automotive Technology II: Automotive Service <i>*Automotive Service Excellence</i> Career Preparation	



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