

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

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PROGRAM OF STUDY	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	INDUSTRY BASED CERTIFICATIONS <i>(subject to change)</i>	ENDORSEMENT
AGRICULTURE, FOOD, AND NATURAL RESOURCES						
AGRIBUSINESS	Principles of Agriculture, Food, and Natural Resources	Professional Standards in Agribusiness	Professional Communications	Career Preparation 1 and Extended Career Preparation Practicum in Agriculture, Food, and Natural Resources		
ANIMAL SCIENCE	Principles of Agriculture, Food, and Natural Resources	Small Animal Management	Equine Science Livestock Production Veterinary Medical Applications *	Honors Scientific Research and Design Practicum in Agriculture, Food, and Natural Resources *	* Certified Veterinary Assistant Level 1	
APPLIED AGRICULTURAL ENGINEERING	Principles of Agriculture, Food, and Natural Resources	<i>Professional Communications</i> <i>Professional Standards in Agribusiness</i>	Agricultural Mechanics and Metal Technologies	Agricultural Structures Design and Fabrication * Honors Scientific Research and Design Practicum in Agriculture, Food, and Natural Resources	* American Welding Society	
ENVIRONMENTAL AND NATURAL RESOURCES	Principles of Agriculture, Food, and Natural Resources	Wildlife, Fisheries, and Ecology Management *, **	Honors Scientific Research and Design	Practicum in Agriculture, Food, and Natural Resources	<i>* Texas Boater Education</i> <i>** Texas Hunter Education</i>	
PLANT SCIENCE	Principles of Agriculture, Food, and Natural Resources	Landscape Design and Management Turf Grass Management	Floral Design *, ** Horticultural Science	Advanced Floral Design + Honors Scientific Research and Design Practicum in Agriculture, Food, and Natural Resources +	* Texas State Florists' Association Knowledge Based ** Texas State Florists' Association Level 1 + Texas State Florists' Association Level 2	
ARCHITECTURE AND CONSTRUCTION						
ARCHITECTURAL DESIGN	<i>Professional Communications</i>	<i>Digital Media</i>	Architectural Design I * Interior Design	Architectural Design II ** Career Preparation I and Extended Career Preparation	* Autodesk Certified User in AutoCAD **Autodesk Certified User in Revit Architecture	
ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS						
DESIGN AND MULTIMEDIA ARTS	Digital Design and Media Production Principles of Arts, A/V Technology, and Communications Video Game Design	Digital Media	Fashion Design I Graphic Design and Illustration I *	Career Preparation I and Extended Career Preparation Fashion Design II/Lab Graphic Design and Illustration II/Lab *, **	* Adobe Certified Associate Illustrator ** Adobe Certified Associate Photoshop and/or InDesign	
DIGITAL COMMUNICATIONS	Principles of Arts, A/V Technology, and Communications	Professional Communications	Audio Video Production I	Audio Video Production II *	* Adobe Certified Associate Premiere Pro	
BUSINESS, MARKETING, AND FINANCE						
ACCOUNTING AND FINANCIAL SERVICES	Principles of Business, Marketing, and Finance	Business Information Management (BIM) *	Accounting I	Accounting II Honors ** Career Preparation I and Extended Career Preparation	* Microsoft Office Specialist (MOS) ** Intuit Quickbooks Certified User	
BUSINESS MANAGEMENT	Principles of Business, Marketing, and Finance	Business Information Management (BIM) * Virtual Business	Business Law Global Business	Career Preparation I and Extended Career Preparation	* Microsoft Office Specialist (MOS)	
ENTREPRENEURSHIP	Principles of Business, Marketing, and Finance	Business Information Management (BIM) *	Entrepreneurship **	Career Preparation I and Extended Career Preparation	* Microsoft Office Specialist (MOS) ** Entrepreneurship and Small Business	
MARKETING AND SALES	Principles of Business, Marketing, and Finance	Virtual Business	Fashion Marketing Social Media Marketing Sports and Entertainment Marketing	Career Preparation I and Extended Career Preparation		
EDUCATION AND TRAINING						
EARLY LEARNING	Principles of Human Services	Child Development	<i>Interpersonal Studies</i> <i>Professional Communications</i>	Career Preparation I and Extended Career Preparation		
TEACHING AND TRAINING	Principles of Human Services	Child Development	Instructional Practices (Intro to Teaching)	Career Preparation I and Extended Career Preparation Practicum in Education and Training *	* Educational Aide I	

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ENDORSEMENTS: ARTS & HUMANITIES

BUSINESS & INDUSTRY
















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HEALTH SCIENCE						
HEALTH INFORMATICS	Principles of Health Science	Medical Terminology	Business Information Management (BIM) *	World Health Research	* Microsoft Office Specialist (MOS)	 
HEALTHCARE DIAGNOSTICS	Principles of Health Science	Health Science Theory * Medical Terminology	Anatomy and Physiology Practicum in Health Science I (Clinical Rotation I) **	Practicum in Health Science II (Clinical Rotation II) +, ++	* <i>American Heart Association First Aid and CPR</i> ** <i>American Heart Association Healthcare Provider CPR</i>	 
HEALTHCARE THERAPEUTIC	Principles of Health Science	Health Science Theory * Medical Terminology	Anatomy and Physiology Practicum in Health Science I (Clinical Rotation I) **	Pharmacology ++ Practicum in Health Science II (Clinical Rotation II) +, ++	+ Patient Care Technician ++ Pharmacy Technician	 
MEDICAL THERAPY	Principles of Health Science	Health Science Theory * Medical Terminology	Practicum in Health Science I (Clinical Rotation I) **	Practicum in Health Science II (Clinical Rotation II) +, ++		 
NURSING SCIENCE	Principles of Health Science	Medical Terminology	Anatomy and Physiology	Pharmacology ++	++ Pharmacy Technician	 
HOSPITALITY AND TOURISM						
CULINARY ARTS	Principles of Hospitality and Tourism	Introduction to Culinary Arts	Culinary Arts *	Career Preparation I and Extended Career Preparation Food Science Practicum in Culinary Arts **	* <i>Texas Food Handlers</i> ** ServSafe Manager	
TRAVEL, TOURISM, AND ATTRACTIONS	Principles of Hospitality and Tourism	<i>Professional Communications</i>	Entrepreneurship + Global Business Sports and Entertainment Marketing	Career Preparation I and Extended Career Preparation	+ Entrepreneurship and Small Business	
HUMAN SERVICES						
FAMILY AND COMMUNITY SERVICES	Principles of Human Services <i>Professional Communications</i>	Child Development Dollars and Sense Lifetime Nutrition and Wellness	Family and Community Services Interpersonal Studies	Career Preparation I and Extended Career Preparation		
HEALTH AND WELLNESS	Principles of Human Services	Lifetime Nutrition and Wellness	Interpersonal Studies	Career Preparation I and Extended Career Preparation		
INFORMATION TECHNOLOGY						
NETWORKING SYSTEMS	Computer Science I	AP Computer Science Principles Principles of Information Technology *	Internetworking Technologies I	Career Preparation I and Extended Career Preparation Internetworking Technologies II	* <i>Internet and Computing Core (IC3)</i>	 
WEB DEVELOPMENT	Principles of Information Technology * <i>Professional Communications</i>	Computer Science I	Web Design	Career Preparation I and Extended Career Preparation		 
LAW AND PUBLIC SERVICE						
LAW ENFORCEMENT	<i>Professional Communications</i>	<i>Business Information Management (BIM) *</i>	Principles of Law, Public Safety, Corrections, and Security Law Enforcement I **	Forensic Science Law Enforcement II	* Microsoft Office Specialist (MOS) ** Non-Commissioned Security Officer Level II	
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS						
CYBERSECURITY	Computer Science I	AP Computer Science Principles Principles of Information Technology *	AP Computer Science A Internetworking Technologies I	Internetworking Technologies II	* <i>Internet and Computing Core (IC3)</i>	 
ENGINEERING	Introduction to Engineering Design (PLTW)	Engineering Science (PLTW)	Aerospace Engineering (PLTW) Digital Electronics (PLTW)	Engineering Design and Development (PLTW) Honors Scientific Research and Design		 
PROGRAMMING AND SOFTWARE DEVELOPMENT	Computer Science I	AP Computer Science Principles	Computer Science II AP Computer Science A	Career Preparation I and Extended Career Preparation Computer Science III Honors		 
TRANSPORTATION, DISTRIBUTION, AND LOGISTICS						
AUTOMOTIVE	<i>Professional Communications</i>	<i>Business Information Management (BIM) *</i>	Automotive Technology I: Maintenance and Light Repair + Collision Repair	Automotive Technology II: Automotive Service + Career Preparation I and Extended Career Preparation Paint and Refinishing	* Microsoft Office Specialist (MOS) + Automotive Service Excellence	

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