

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

Courses below are not tied to grade levels. Not all courses have a required prerequisite. Courses listed in *italics* have been added for local purpose.
Industry Based Certifications listed in **bold** count towards College, Career, and Military Readiness and those listed in *italics* have been added for local purpose only.

| PROGRAM OF STUDY | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | INDUSTRY BASED CERTIFICATIONS <small>(subject to change)</small> | ENDORSEMENT |
|--|---|---|---|--|---|---|
| AGRICULTURE, FOOD, AND NATURAL RESOURCES | | | | | | |
| AGRIBUSINESS | Principles of Agriculture, Food, and Natural Resources | Professional Standards in Agribusiness | Professional Communications | Career Preparation I 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 ** <i>Hill's Pet Nutrition</i> |   |
| 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 | 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 I | 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 | | | | | | |
| GRAPHIC DESIGN AND MULTIMEDIA ARTS | 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 Professional Illustrator/Photoshop/InDesign |  |
| DIGITAL COMMUNICATIONS | Principles of Arts, A/V Technology, and Communications | Professional Communications | Audio Video Production I * | Audio Video Production II/Lab * | * Adobe Certified Professional 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 | * Stukent Social Media Marketing |  |
| 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



MULTI-DISCIPLINARY



PUBLIC SERVICE





























STEM

Updated November 2022
(for 2023-2024 school year)

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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> |   |
| 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) +, ++ | ** <i>American Heart Association Healthcare Provider CPR</i> |   |
| 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) +, ++ | + Patient Care Technician ++ Pharmacy Technician |   |
| 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 Professional Communications | Child Development Dollars and Sense Lifetime Nutrition and Wellness | 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 Principles of Information Technology | AP Computer Science Principles | Internetworking Technologies I | Career Preparation I and Extended Career Preparation Internetworking Technologies II | |   |
| WEB DEVELOPMENT | Principles of Information Technology | 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 Principles of Information Technology | AP Computer Science Principles | AP Computer Science A Internetworking Technologies I | Internetworking Technologies II | |   |
| 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 * | * Oracle Certified Associate, Java SE 8 Programmer |   |
| 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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