













2018-2019 WISD Career & Technical Education Courses Endorsements & Programs of Study



ENDORSEMENT	Career Clusters	9 th	10 th	11 th	12 th	Industry Certification or License
BUSINESS & INDUSTRY		Livestock Principles of Agriculture, Food & Natural Resources (1)	Equine Science (.5)/Small Animal Management (.5)	Advanced Animal Science (1) <i>Prerequisites: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production, or Livestock Production (1)</i>	Advanced Animal Science (1) or, Practicum in Agriculture, Food, & Natural Resources (2) or Career Preparation (2)	Texas Beef Quality Assurance Tractor Safety *NCCER Core Agriculture Mechanics Texas Floral Basic OSHA/Career Safe- General Industry 10-Hour
		Plant Science Principles of Agriculture, Food & Natural Resources (1)	Floral Design (1) <i>(Fine Arts Credit)</i>	Turf Grass Management (.5)/Landscape Design & Management (.5) or Horticulture Science(1)	Horticulture Science (1) or Practicum in Agriculture, Food, & Natural Resources (2) or Career Preparation (2)	
		Agricultural Mechanics Principles of Agriculture, Food & Natural Resources (1)	Agricultural Mechanics & Metal Technologies (1)	Agricultural Structures Design & Fabrication (1)	Agricultural Equipment Design & Fabrication (1)	
		Wildlife Principles of Agriculture, Food & Natural Resources (1)	Wildlife, Fisheries and Ecology Management (1)	Food Processing (1) or Range Ecology and Management (1)	Range Ecology and Management (1) or Career Preparation (2)	
BUSINESS & INDUSTRY		Architecture	Architectural Design I (1) <i>(Prereq: Algebra I and English I)</i>	Architectural Design II (2) <i>Prerequisites: Architectural Design I or Advanced Interior Design and Geometry</i>	Practicum in Architectural Design (2) <i>Prerequisite: Architectural Design II or Career Preparation (2)</i>	AutoCad Certified Professional *NCCER Carpentry Level 1 OSHA/Career Safe – General Industry 10 Hour
		Construction	Principles of Construction (1)	Construction Technology I (2)	Construction Technology II (2) <i>(Prereq: Construction Technology I or Career Preparation (2)</i>	
BUSINESS & INDUSTRY		Video Game Design Principles of Information Technology (1)	Animation I (1) or Graphic Design & Illustration (1)	Animation II (1) <i>(Prereq: Animation I) or Graphic Design & Illustration II (Prereq: Graphics Design & Illustration I)</i>	Video Game Design (1) or Career Preparation (2)	OSHA/Career Safe General Industry 10-Hour Adobe Premiere Adobe Photoshop Lightroom
		Video Production	Principles of Arts, Audio/Video Technology & Communication (1)	Audio/Video Production I/LAB (2)	Audio/Video Production II/LAB (2) <i>Prereq: Audio/Video Production I</i>	
		Commercial Photography	Principles of Arts, Audio/Video Technology & Communications (1)	Commercial Photography I/LAB (2)	Commercial Photography II/LAB (2) or Practicum in Commercial Photography (2) <i>Prereq: Commercial Photography I and Commercial Photography I Lab along with teacher recommendation.</i>	
BUSINESS & INDUSTRY		Multimedia Principles of Business, Marketing & Finance (1)	Business Information Management I (1)	Business Information Management II MM (1) <i>Prereq: Business Info Mgmt I</i>	Digital & Interactive Media MM (1) or Career Preparation I (2)	MOS-Microsoft Office Specialist - Master STC Computer Applications Specialist Certificate STC Multimedia Certificate MOS – Access, Excel, Powerpoint and Word
		Computer Applications Principles of Business, Marketing & Finance (1)	Business Information Management I (1)	Business Information Management II CA (1) <i>Prereq: Business Info Mgmt I or Career Preparation I (2)</i>	Digital & Interactive Media CA (1) or Practicum in Business Management (2)	
		Business Principles of Business, Marketing & Finance (1)	Business Information Management I (1)	Entrepreneurship (1)	Practicum in Business Management (2) or Career Preparation (2)	
PUBLIC SERVICES		Educator Principles of Education & Training (1)	Principles of Education & Training (1) or Human Growth & Development (1)	Child Development (1) or Instructional Practices (2)	Practicum in Education & Training (2) <i>Prereq: Instructional Practices (2) or Career Preparation (2)</i>	Substitute Teacher Certificate Teacher's Aide Certificate

BUSINESS & INDUSTRY		Accounting Principles of Business, Marketing & Finance (1)	*Business Information Management I (1)	Accounting I (1)	Accounting II (1) Prereq: Accounting I (1) or Career Preparation (2)	Quickbooks Certification STC Institutional Award in Accounting
PUBLIC SERVICES		(EMT) Emergency Medical Technology Basic Certificate, CTE ECHS				(EMT) Emergency Medical Technology Basic Certificate, CTE ECHS Certified Nurse Aide Pharmacy Technician Phlebotomy Technician (new) *EKG-Electrocardiogram (new) *Emergency Medical Technician (new-CTE ECHS) Medical Billing & Coding Specialist IV Sterile Processing CPR – First Aid Career Safe OSHA General Industry 10-hr (Health Care)
		Certified Nurse Aide Principles of Health Science (1)	Health Science Theory (1) Prereq: Biology	Practicum in Health Science Clinical Rotations (2) Health Science Theory and Biology or Medical Terminology(1) Prereq: Biology & a 2nd Science credit or Anatomy & Physiology (1) Prereq: Biology & 2nd Science credit or Pathophysiology (1) Prereq: Biology & Chemistry or Medical Microbiology (1) Prereq: Biology & Chemistry	Practicum in Health Science (2) C.N.A. (Certified Nurse Aide) Prereq: Health Science Theory and Biology	
		Pharmacy Technician Principles of Health Science (1)	Health Science Theory (1) Prereq: Biology	Pharmacology (1) Prereq: Biology & Chemistry and/or Medical Terminology (1) Prereq: Biology & a 2nd Science credit and/or Mathematics for Medical Professionals (1) Prerequisites: Geometry and Algebra II and/or Practicum in Health Science Clinical Rotations (2) Prerequisites: Health Science Theory, & Biology.	Practicum in Health Science Pharmacy Technician (2) Prerequisites: Health Science Theory & Biology and Anatomy & Physiology (1) Prerequisite: Biology and a second science credit	
		EKG-Electrocardiogram Principles of Health Science (1)	Health Science Theory (1) Prereq: Biology	Medical Terminology (1) Prereq: Biology & a 2nd Science credit and/or Anatomy & Physiology (1) Prereq: Biology & 2nd Science credit Practicum in Health Science Clinical Rotations (2) Prerequisites: Health Science Theory, and Biology. .	Practicum in Health Science EKG- Electrocardiogram (2) Prereq: Health Science Theory and Biology	
		Medical Billing & Coding Principles of Health Science (1)	Health Science Theory (1) Prereq: Biology	Practicum in Health Science Clinical Rotations (2) Prereq: Health Science Theory, and Biology- or Medical Terminology (1) Prereq: Biology & a 2nd Science credit or Health Informatics (1) Prereq: Business Information Management I and Medical Terminology or Anatomy & Physiology (1) Prereq: Biology & second science credit	Practicum in Health Science- Medical Billing & Coding (2)	
		Health Professional Principles of Health Science (1)	Health Science Theory (1) Prereq: Biology	Anatomy & Physiology (1) Prereq: Biology & 2nd Science credit or Forensic Science (1) Prereq: Biology & Chemistry or Practicum in Health Science Clinical Rotations (2)) Prereq: Health Science Theory, & Biology	Medical Terminology (1) Prereq: Biology & a 2nd Science credit or Medical Microbiology (1)) Prereq: Biology & Chemistry or Pathophysiology (1)) Prereq: Biology & Chemistry or Forensic Science (1) Prereq:	

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BUSINESS & INDUSTRY	 Hospitality & Tourism	<u>Culinary Arts</u>	Introduction to Culinary Arts (1)	Culinary Arts (2)	Advanced Culinary Arts (2) Prereq: Culinary Arts or Practicum in Culinary Arts (2) Prereq: Culinary Arts or Career Preparation (2)	Career Safe OSHA General Industry 10-Hour National Restaurant - ServSafe Food Handler's Cert.
PUBLIC SERVICES	 Human Services	<u>Cosmetology</u>		Cosmetology I & LAB (3)	Cosmetology II & LAB (3) Prerequisite: Cosmetology I	Career Safe OSHA General Industry 10-Hour *Cosmetology Operator License Food Handler's Certification Certified Health Worker (CHW)-Department of Health Human Services
		<u>Human Services</u> Principles of Human Services (1)	Principles of Human Services (1) or Human Growth & Development (1)	Lifetime Nutrition & Wellness(.5) & Dollars & Sense (.5) or Family & Community Services (1) WHS or Child Development (1) or Dollars & Sense(.5)/Lifetime Nutrition & Wellness(.5) WEHS	Practicum in Human Services (2) or Career Preparation (2) WHS or Family & Community Services (1) or Career Preparation (2) WEHS	
BUSINESS & INDUSTRY	 Information Technology	<u>Information Technology & Cyber Security</u> Principles of Information Technology (1)	Computer Maintenance (1)	Networking & LAB (2)	Computer Technician Practicum (2) or Career Preparation (2)	Career Safe OSHA General Industry 10-Hour CompTIA A+ Certification C-Tech Introduction to Telecommunications – Copper Based Systems C-Tech Introduction to Network Cabling – Fiber Optic Based Systems Internet & Computing Core Certificate TestOUT PC Pro IC3-Digital Literacy Certification Adobe - Illustrator, Photoshop, InDesign, Dreamweaver, Animate
		<u>Game Art & Design</u> Principles of Information Technology (1)	Animation I (1)	Web Technologies (1)	Video Game Design (1) or Career Preparation (2)	
PUBLIC SERVICES	 Public Safety, Corrections & Security	<u>Law, Public Safety, Corrections & Security</u> Principles of Law, Public Safety, Corrections & Security (1)	Law Enforcement I (1)	Court Systems & Practices (1) or Criminal Investigations (1)	Law Enforcement II (1) or Federal Law Enforcement & Protective Services (1) and Forensic Science (1)) Prereq: Biology & Chemistry or Career Preparation I (2)	Career Safe OSHA General Industry 10-Hour Emergency Medical Dispatcher Level 1 Security Guard Level 2 Security Guard White Collar/Cyber Certificate Municipal Jailer Fire Science Technology Associate of Applied Science (AAS) Criminal Justice Associate of Arts (AA)
		<u>Fire Science AAS</u> CTE ECHS				
		<u>Criminal Justice AA</u> CTE ECHS				
BUSINESS & INDUSTRY	 Manufacturing	<u>Welding Technology</u>	Introduction to Welding (1)	Welding I /LAB (2)	Welding II/LAB (2) Prerequisite: Welding I	Career Safe OSHA General Industry 10-Hour *AWS-American Welding Society D1.1 Structural Steel *NIMS-National Institute for Metal Working Skills – Level 1 (CTE ECHS), Benchwork, Stamping, Materials Welding Technology Associate of Applied Science (AAS), Combination Welding Certificate, Structural Welding Certificate Advanced Manufacturing Technology Associate of Applied Science Degree (AAS)
		<u>Welding Technology AAS,</u> CTE ECHS				
		<u>Advanced Manufacturing Technology AAS,</u> CTE ECHS				
BUSINESS & INDUSTRY	 Marketing	<u>Marketing</u> Business Information Technology I (1) or Principles of Business, Marketing & Finance (1)	Business Information Technology I (1) or Principles of Business, Marketing & Finance (1)	Social Media Marketing (.5)/Sports & Entertainment Marketing (.5) OR Entrepreneurship(1) OR Fashion Marketing (.5)/Advertising (.5)	Advanced Marketing (2) Prerequisite: one credit from the courses in the Marketing Career Cluster or Practicum in Marketing (2) or Career Preparation (2) or Social Media Marketing (.5)/Sports	STC Institutional Award in Marketing

					& Entertainment Marketing (.5) OR Fashion Marketing (.5)/Advertising (.5)	
STEM SCIENCE, TECHNOLOGY, ENGINEERING & MATH		Engineering	Principles of Applied Engineering (1)	Engineering Design & Problem Solving (1) FALL Science credit Prerequisites: Algebra I and Geometry/ Engineering Design & Presentation I (1) SPRING (Dual) Prerequisite: Algebra I OR Engineering Math Prerequisite: Algebra II OR Financial Mathematics	Engineering Design & Presentation II (2) Prerequisites: Algebra I and Geometry or Practicum in Science, Technology, Engineering & Mathematics I(2)	Solidworks Certificate
		STEM		Principles of Biosciences (1)	Biotechnology I (1) Prerequisite: Biology OR Scientific Research & Design (1) Prerequisite: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physic OR Career preparation (2) or Project-Based Research (1)	
BUSINESS & INDUSTRY		Automotive Technology	Energy & Power of Transportation Systems (1)	Automotive Technology I: Maintenance & Light Repair (2)	Automotive Technology II: Automotive Service (2) Prerequisite: Automotive Technology I: Maintenance and Light Repair or Career Preparation (2) or Practicum in Transportation Systems(2)	Career Safe OSHA General Industry 10-Hour *ASE-National Institute for Automotive Service Excellence Certification: Brakes Electronic/Electrical Systems Engine Repair SP2 (Safety & Pollution Prevention Training-Auto Mechanical Safety I-CAR- Inter-Industry Conference on Auto Collision Repair Diesel Technology Associate of Applied Science Degree (AAS)
		Collision Repair	Energy & Power of Transportation Systems (1)	Collision Repair (2)	Paint & Refinishing (2) or Career Preparation (2) or Practicum in Transportation Systems (2)	
		Diesel Technology AAS, CTE ECHS				

It is the policy of the Weslaco ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended; Title II of the Americans with Disabilities Act of 1990, as amended.