2025—2026
Career and Technical Education
Programs of Study at Pearland High School

Business & Industry Endorsement (Option A: CTE)

Career Cluster: Agriculture, Food, and Natural Resources (Option A1)

Programs of Study	Level 1	Level 2	Level 3	Level 4
Animal Science (A1D)	Principles of Agriculture (1)	Small Animal Management (.5) and Equine Science (.5) OR /AND Entrepreneurship (1)	Livestock Prod. (1) OR Vet Med Applications (1) (at THS)	Advanced Animal Science (1)* OR Practicum in AG/Vet (2) (at THS)
	IBC's: Elanco Fundamentals of Animal Science, Elanco Veterinary Medical Applications, Equine Management and Evaluation, Certified Veterinary Assistant			
Plant Science (A1E)	Principles of Agriculture (1)	Greenhouse Operation and Production (1) OR / AND Entrepreneurship (1)	Floral Design (1)	Advanced Floral Design (1)
	IBC's: Texas State Florist's Association Knowledge Based Floral Certification, Texas Florist's Association Level 1 Floral Certification			

Career Cluster: Construction (Option A2)

Program of Study	Level 1	Level 2	Level 3	Level 4
Carpentry (A2A)	Principles of Construction (1)	Construction Technology I (2) OR / AND Entrepreneurship (1)	Construction Technology II (2)*	Practicum of Entrepreneurship (2)
	IBC's: NCCER Core, NCCER Carpentry Level I			

Career Cluster: Arts, A/V Technology, and Communications (Option A3)

Programs of Study	Level 1	Level 2	Level 3	Level 4
Graphic Design and Interactive Media (A3A)	Principles of A/V (1)	Animation 1 (1) OR / AND Entrepreneurship (1) OR / AND Commercial Photography I (1)	Animation II w/Lab (2)*	Practicum of Entrepreneurship (2)
	IBC's: Adobe Certified Professional— Illustrator, InDesign, Photoshop, After Effects			
Digital Communications (A3B)	Principles of A/V (1)	AV Production I (1) OR / AND Entrepreneurship (1)	AV Production II w/Lab (2)*	Practicum of AV Production (2)*
	IBC's: Adobe Certified Professional— InDesign, Photoshop, Premiere Pro, After Effects			

Career Clusters: Business, Marketing and Finance (Option A4)

Programs of Study	Level 1	Level 2	Level 3	Level 4
Business Management (A4B)	Principles of Business (1) OR Business Information Management (1)	Business Law (1) OR Virtual Business (.5) OR Entrepreneurship (1)	Global Business (.5) AND Human Resources Mgmt. (.5) OR Business Management (1)	Practicum of Entrepreneurship (2)
	IBC's: Entrepreneurship and Small Business (ESB), MOS Excel Expert, MOS Word Expert, PMI Project Management Ready			
Entrepreneurship (A4C)	Principles of Business (1) OR Business Information Management (1)	Entrepreneurship (1)	Entrepreneurship II (1)	Practicum of Entrepreneurship (2)
	IBC's: Entrepreneurship and Small Business (ESB)			
Marketing & Sales (A4D)	Principles of Business (1)	Sports & Entertainment Marketing (.5) AND Virtual Business (.5) OR Entrepreneurship (1)	Advertising (.5) AND Social Media Marketing (.5)	Practicum of Entrepreneurship (2)
	IBC's: Entrepreneurship and Small Business (ESB), Stukent Social Media Marketing			

Career Cluster: Information Technology (Option A5)

Program of Study	Level 1	Level 2	Level 3	Level 4
Programming and Software Development (A5C)	Fundamentals of Computer Science (1) (8th Grade)	PAP Computer Science (1)* OR /AND AP Computer Science Principles (1)* OR Entrepreneurship (1)	AP Computer Science A (1)*	Practicum of Entrepreneurship (2) OR CTE Project Based Capstone (1)
	IBC's: UNITY Certified User: Programmer, Comp Tia IT+ Fundamentals			

"*" denotes course with required prerequisite   (#) denotes number of credits

Business & Industry Endorsement (Option A: CTE)

Career Cluster: Hospitality and Tourism (Option A6)

Program of Study	Level 1	Level 2	Level 3	Level 4
Culinary Arts (A6A)	Intro. to Culinary Arts (1)	Culinary Arts (2) OR Entrepreneurship (1)	Adv. Culinary Arts (2)*	Practicum in Culinary (2)* OR Practicum of Entrepreneurship (2)
	IBC's: ServSafe Food Manager			

Career Cluster: Transportation, Distribution, and Logistics (Option A7)

Program of Study	Level 2	Level 3	Level 4
Automotive and Collision Repair (A7A)	Automotive Basics (1) OR / AND Entrepreneurship (1)	Automotive Technology I MLR (2)*	Automotive Technology II ASE (2)* OR Practicum in Transportation Systems (2)*
	IBC's: ASE Entry Level Series (10 certifications), ASE Refrigerant Recovery and Recycling		

Career Cluster: Manufacturing (Option A8)

Program of Study	Level 1	Level 2	Level 3	Level 4
Welding (A8A)	Introduction to Welding (1)	Welding I (2) OR Entrepreneurship (1)	Welding II (2)* (THS)	Practicum of Entrepreneurship (2)
	IBC's: AWS D1.1 Structural Steel , AWS D9.1 Sheet Metal Welding			

Public Services Endorsement (Option A: CTE)

Career Cluster: Health Science (Option A1)

Programs of Study	Level 1	Level 2	Level 3	Level 4
Diagnostic and Therapeutic Services (A1A)	Principles of Health Science (1)	Medical Terminology (1)	Health Science Theory (1) / Clinicals (2)*	Anatomy & Physiology (1)*
	IBC's: Certified EKG Technician, Certified Patient Care Technician			
Diagnostic and Therapeutic Services — Dental Assistant (A1C)	Principles of Health Science (1)	Medical Terminology (1) OR Health Science Theory (1)	Practicum in Health Science — Registered Dental Assistant I (2)* (THS Campus)	Practicum in Health Science — Registered Dental Assistant (2)* (THS Campus)
	IBC's: Certified EKG Technician, Certified Patient Care Technician, Registered Dental Assistant X-Ray Certification			
Diagnostic and Therapeutic Services — Emergency Medical Technician (A1D)	Principles of Health Science (1)	Medical Terminology (1)	Health Science Theory (1) / Clinicals (2)*	Practicum in Health Science —Emergency Medical Technician(2)*
	IBC's: Certified EKG Technician, Certified Patient Care Technician, Emergency Medical Technician—Basic (EMT-B)			
Diagnostic and Therapeutic Services — Pharmacy Technician (A1E)	Principles of Health Science (1)	Medical Terminology (1)	Health Science Theory (1) / Clinicals (2)*	Practicum in Health Science— Certified Pharmacy Technician (2)* (at THS)
	IBC's: Certified EKG Technician, Certified Patient Care Technician, Certified Pharmacy Technician			
Health Informatics (A1F)	Principles of Health Science (1) OR / AND Business Information Management (1)	Medical Terminology (1)	Health Science Theory (1) *	Medical Billing & Coding (1) (at THS)
	IBC's: Certified EKG Technician, Certified Patient Care Technician, Certified Billing and Coding Specialist			

Career Cluster: Human Services (Option A2)

Programs of Study	Level 1	Level 2	Level 3	Level 4
Cosmetology (A2B)	Principles of Business (1)	Entrepreneurship (1)	Cosmetology I w/ Lab (3)* (Dual Credit Program San Jacinto College)	Cosmetology II w/ Lab (3)* (Dual Credit Program San Jacinto College)
	IBC's: Cosmetology Operator License			

Career Cluster: Education & Training (Option A4)

Program of Study	Level 1	Level 2	Level 3	Level 4
Teaching and Training (A4B)	Principles of Education and Training (1)	Child Development (1)	Instructional Practices (2) * (new for 2025-26 school year)	Practicum in Education and Training (1)* (new for 2026-27 school year)
	IBC's: Educational Aide I			

"*" denotes course with required prerequisite   **(#)** denotes number of credits