

KELLER ISD
CTE

INNOVATE • COLLABORATE • EDUCATE



2024-25

Programs of Study

Keller ISD Career & Technical
Education (CTE)

<u>Business & Industry Endorsement</u>	<u>Public Services Endorsement</u>	<u>STEM Endorsement</u>
<ul style="list-style-type: none"> • Accounting & Financial Services • Architectural Design • Automotive • Business Management • Construction Technology • Culinary Arts • Design & Multimedia Arts • Digital Communications • Electrical Technology • HVAC (Heating, Ventilation & Air Conditioning) • Interior Design • Marketing • Networking Systems/Maintenance • Plant Science • Plumbing Technology • Veterinary Studies • Welding 	<ul style="list-style-type: none"> • Cosmetology • Health Science: Medical Lab Assistant • Health Science: Certified Nursing Assistant • Health Science: Clinical Rotations • Health Science: Emergency Medical Technician • Health Science: Pharmacy • Health Science: Exercise Science & Sports Medicine • Law Enforcement • Legal Studies • Teaching and Training 	<ul style="list-style-type: none"> • Cybersecurity • Engineering • Programming & Software Development

For more information about CTE programs of study please visit with your counselor, contact the CTE department, or visit the resouces below:



Learn more about CTE in KISD
kellerisd.net/Domain/139



Visit the full KISD Course Guide
kellerisd.net/Page/279

Programs ONLY at the Keller Center for Advanced Learning (KCAL)

Program	9th Grade	10th Grade	11th Grade	12th Grade
Architectural Design	Principles of Architecture	Architectural Design 1	Architectural Design 2	Practicum in Architectural Design
Automotive	Automotive Basics	Automotive Technology 1	Automotive Technology 2	Practicum in Transportation Systems OR Career Prep 1
Construction Technology	Principles of Construction	Construction Technology 1	Construction Technology 2	Practicum in Construction Technology
Cybersecurity	Foundations of Cybersecurity	Digital Forensics	Cybersecurity Capstone	Practicum in IT: Cybersecurity
Electrical Technology	Principles of Construction	Electrical Technology 1	Electrical Technology 2	Practicum in Construction Technology
Heating, Ventilation, & Air Conditioning (HVAC)	Principles of Construction	HVAC & Refrigeration 1 AND Sheet Metal	HVAC & Refrigeration 2	Practicum in Construction Technology
Interior Design	Principles of Interior Design	Interior Design 1	Interior Design 2	Practicum in Interior Design
Networking Systems/Maintenance	Computer Maintenance	Networking/Lab	Practicum in IT: Networking Systems/Maintenance	Practicum in IT: Networking Systems/Maintenance 2 OR Career Prep 1: Networking
Plant Science	Principles of Agriculture, Food, & Natural Resources	Horticulture Science AND 1 or more credits below: Floral Design OR Turf Grass Management OR Landscape Design	Advanced Floral Design AND/OR Advanced Plant & Soil Science	Practicum in Agriculture, Food, & Natural Resources
Plumbing Technology	Principles of Construction	Plumbing Technology 1 AND Pipefitting Technology 1	Plumbing Technology 2	Practicum in Construction Technology
Programming & Software Development	Computer Science 1 Honors	AP Computer Science	Computer Science 2 AND Computer Science 3	Practicum in IT: Programming & Software Development
Veterinary Studies	Principles of Agriculture, Food, & Natural Resources	Veterinary Medical Applications	SRD: Veterinary Clinical Skills AND Advanced Animal Science	Practicum in Agriculture, Food, & Natural Resources
Welding	Introduction to Welding	Welding 1	Welding 2	Practicum in Manufacturing

Programs ONLY at home campus high schools (CHS, FRHS, KHS, TCHS)

Program	9th Grade	10th Grade	11th Grade	12th Grade
Accounting & Finance	Principles of Business, Marketing, & Finance	Accounting 1	Business Information Management 1 AND Accounting 2 Honors	Practicum in Business Management
Business Management	Principles of Business, Marketing, & Finance	Business Information Management 1 OR Business Management	CHOOSE 2 OR MORE: Business Information Management 1 OR Business Information Management 2 OR Business Management OR Statistics & Business Decision Making	Practicum in Business Management OR Business Management OR Statistics & Business Decision Making OR Business Information Management 2 OR Career Prep 1
Marketing	Principles of Business, Marketing, & Finance	Advertising AND 1 or more from below: Social Media Marketing OR Sports/Entertainment Marketing OR Fashion Marketing	Advanced Marketing	Practicum in Marketing OR Statistics & Business Decision Making OR Career Prep 1
Teaching & Training	Principles of Education & Training	Child Development	Instructional Practices	Practicum in Education & Training

Programs split between home campus high schools and KCAL

Courses in **BLUE** are at KCAL; Courses in **BLACK** are at home campus

Program	9th Grade	10th Grade	11th Grade	12th Grade
Cosmetology	N/A	Professional Communications AND Entrepreneurship	Principles of Cosmetology AND Cosmetology 1	Cosmetology 2 AND Practicum in Human Services
Culinary Arts	Introduction to Culinary Arts	Culinary Arts	Advanced Culinary Arts	Practicum in Culinary Arts

Design & Multimedia Arts	Principles of Arts, AV Technology, & Communications OR Animation 1 OR Graphic Design & Illustration 1	Animation 1 OR Graphic Design & Illustration 1 OR Animation 2/Lab OR Graphic Design & Illustration 2/Lab	Animation 1 OR Graphic Design & Illustration 1 OR Animation 2/Lab OR Graphic Design & Illustration 2/Lab OR Practicum in Animation OR Practicum in Graphic Design & Illustration	Animation 2/Lab OR Graphic Design & Illustration 2/Lab OR Practicum in Animation OR Practicum in Graphic Design & Illustration
Digital Communications	Principles of Arts, AV Technology, & Communications OR Audio/Video Production 1	Audio/Video Production 1 OR Audio/Video Production 2/Lab	Audio/Video Production 2/Lab OR Practicum in Audio/Video Production	Practicum in Audio/Video Production OR Practicum in Audio/Video Production 2
Engineering	Introduction to Engineering Design	Engineering Science (PLTW: Principles of Engineering)	CHOOSE 2 or MORE: Aerospace Engineering OR Digital Electronics Honors OR Civil Engineering & Architecture OR Robotics 1 OR SRD: Intro to Unmanned Aerial Vehicles	OPTION 1: Practicum in STEM OPTION 2: Engineering Design & Problem Solving Honors AND 1 or more of the following: Robotics 2 OR Computer Integrated Manufacturing OR Aerospace Engineering OR Digital Electronics Honors OR Civil Engineering & Architecture

Health Science: Certified Nursing Assistant (CNA)	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Practicum in Health Science: CNA	Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)
Health Science: Clinical Rotations	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Practicum in Health Science: Clinical Rotations	Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)
Health Science: Emergency Medical Technician (EMT)	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Pathophysiology	Practicum in Health Science: Emergency Medical Technician (EMT) OR Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)
Health Science: Exercise Science & Sports Medicine	Medical Terminology	Health Science Theory AND Kinesiology 1	Anatomy & Physiology AND Kinesiology 2	Practicum in Health Science: Exercise Science & Sports Medicine OR Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)
Health Science: Medical Lab Assistant (MLA)	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Medical Microbiology	Practicum in Health Science: Medical Lab Assistant (MLA) OR Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)

Health Science: Pharmacy	Medical Terminology	Health Science Theory	Anatomy & Physiology AND Pharmacology	Practicum in Health Science: Pharmacy OR Practicum in Health Science: Patient Care Technician (PCT) OR Practicum in Health Science: Clinical Medical Assistant (CMA)
Law Enforcement	Principles of Law, Public Safety, Corrections, & Security	Law Enforcement 1	Forensic Science AND Forensic Psychology	Practicum in Law: Law Enforcement
Legal Studies	Principles of Law, Public Safety, Corrections, & Security	Court Systems & Practices	Legal Research & Writing	Practicum in Law: Legal Studies

Middle School CTE Courses

Grade Level	Course	Credits	High school credit?	KISD Course Number
7th Grade	Engineering Investigations	1 Credit	Yes	8555
8th Grade	Engineering Essentials	1 Credit	Yes	0801
7th/8th Grade	Intestigating Careers: Introduction to Audio/Visual Production	.5 Credit	No	1370
Virtual course through KISD iChoose	Entrepreneurship	1 Credit	Yes	Z0822X
Virtual course through KISD iChoose	Interpersonal Studies	.5 Credit	Yes	Z8823X
Virtual course through KISD iChoose	Principles of Business, Marketing & Finance	1 Credit	Yes	Z080X
Virtual course through KISD iChoose	Principles of Health Science	1 Credit	Yes	Z081X
Virtual course through KISD iChoose	Professional Communications	.5 Credit	Yes	Z0465X
Virtual course through KISD iChoose	Lifetime Nutrition & Wellness	.5 Credit	Yes	Z0825X

Keller Collegiate Academy

Associate of Arts with Health Science Focus (Pre-Nursing Program)

Associate of Science with Health Science Focus

Licensed Vocational Nursing Level 2 Certification

Associate of Applied Science in Anesthesia Technology

Associate of Applied Science in Surgical Technology