



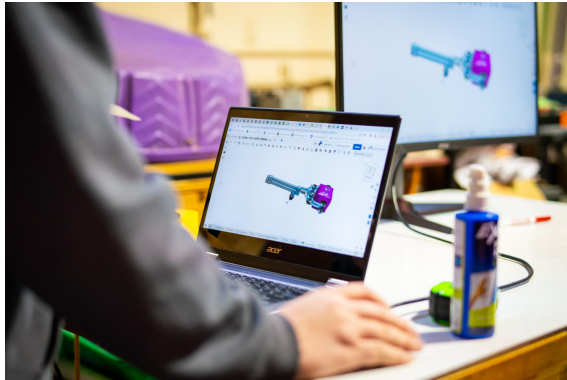
Career and Technical Education In Bastrop ISD

Education to Workforce Pipeline

- Elementary Career Days
- Field Trips & Site Visits
- Middle School Career & College Exploration class
- High School Programs of Study
- College and Career Centers
- Hiring Day

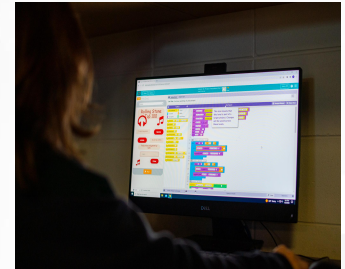
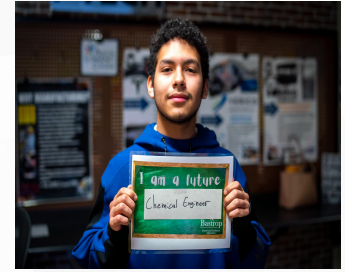
What is CTE?

Career and technical education (CTE) prepares youth and a wide range of high-wage, high-skill, high-demand careers through a cutting-edge, rigorous and relevant course curriculum and



Bastrop ISD CTE Programs of Study

- ★ Animal Science
- ★ Applied Agriculture Engineering (Welding)
- ★ Food Science
- ★ Construction
- ★ Audio Video Production
- ★ Business Management
- ★ Health Science
- ★ Engineering
- ★ Automotive
- ★ Hospitality
- ★ Education and Training
- ★ Environmental and Natural Resources
- ★ Law Enforcement



Industry-Based Certification

Specific industry-based certifications are aligned with courses throughout the CTE program. Generally, a student will have 2-3 years of instruction in a specific program of study before sitting for the exam. Some certifications have requirements of internship hours or age of student at time of application. While each of these certifications is an option for our students, not all students will achieve the IBC.

Program of Study	Course(s) in which the certification may be completed	CCMR Industry-Based Certification(s)
<u>Animal Science (Both)</u>	<ul style="list-style-type: none"> ● Veterinary Medical Applications ● Adv. Animal Science ● Practicum in Ag (Vet Science) 	<ul style="list-style-type: none"> ● <u>Certified Veterinary Assistant</u> ● <u>Elanco Fund. of Animal Science</u> ● <u>Elanco Vet Med Apps</u> ● <u>Equine Mgt & Evaluation</u>
<u>Applied Agricultural Engineering (BHS)</u>	<ul style="list-style-type: none"> ● Agriculture Mech and Metal Tech ● Equipment and Design ● Practicum in Applied Ag Equipment 	<ul style="list-style-type: none"> ● <u>AWS D1.1 Structural Steel</u> ● <u>AWS D9.1 Sheet Metal</u>
<u>Environmental and Natural Resources (CCHS)</u>	<ul style="list-style-type: none"> ● Wildlife Mgt 	<ul style="list-style-type: none"> ● <u>Ducks Unlimited Ecology Conservation & Management Certification</u>
<u>Food Science (BHS)</u>	<ul style="list-style-type: none"> ● Food Processing ● Practicum in Food Processing 	<ul style="list-style-type: none"> ● <u>AMSA Food Safety and Science Certification</u>

Program of Study	Course(s) in which the certification may be completed	CCMR Industry-Based Certification(s)
<u>Digital Communications (Both)</u>	<ul style="list-style-type: none"> ● Audio Video Production I ● AV II ● Practicum in Audio Video 	<ul style="list-style-type: none"> ● <u>Adobe Photoshop, Premiere Pro</u>
<u>Automotive (BHS)</u>	<ul style="list-style-type: none"> ● Automotive Technology I ● AT II ● Practicum in Transportation Systems 	<ul style="list-style-type: none"> ● <u>ASE Entry-Level Certifications</u>
<u>Business Management (Both)</u>	<ul style="list-style-type: none"> ● Business Management ● Business Law ● Practicum in Business Mgt 	<ul style="list-style-type: none"> ● <u>NOCTI General Management (995)</u>
<u>Hospitality (CCHS)</u>	<ul style="list-style-type: none"> ● Travel and Tourism ● Hospitality Services ● Practicum in Hospitality 	TBD
<u>Teaching and Training (Both)</u>	<ul style="list-style-type: none"> ● Instructional Practices ● Practicum in Education and Training 	<ul style="list-style-type: none"> ● <u>Educational Aide I</u>

Program of Study	Course(s) in which the certification may be completed	CCMR Industry-Based Certification(s)
<u>Law Enforcement (Both)</u>	<ul style="list-style-type: none"> ● Law Enforcement II ● Practicum in LE 	<ul style="list-style-type: none"> ● <u>Non-Commissioned Security Officer Level II</u>
<u>Cybersecurity (CCHS)</u>	<ul style="list-style-type: none"> ● Practicum in STEM ● Cybersecurity 	<ul style="list-style-type: none"> ● <u>A+ Certification</u>
<u>Carpentry (CCHS)</u>	<ul style="list-style-type: none"> ● Construction Technology I ● Construction Technology II ● Practicum in Construction 	<ul style="list-style-type: none"> ● NCCER Core
<u>Diagnostic and Therapeutic Services (Both)</u>	<ul style="list-style-type: none"> ● Health Science Theory/Clinical ● Practicum in HST 	<ul style="list-style-type: none"> ● <u>Certified Clinical Medical Assistant</u> ● <u>Pharmacy Technician</u>
Engineering Foundations	<ul style="list-style-type: none"> ● Engineering Science ● Computer Integrated Manufacturing 	

Work Based Learning

- **Mentorships**

- 11th and 12th graders are paired for in-person or virtual mentorships with an adult who works in an area of interest to the student. 6 weeks of meetings are outlined in the mentorship handbook with topics such as day in the life, education requirements, and networking.

- **Internships**

- Students can participate in paid internships the summer between 11th-12th grade. The internship is

- **Teacher Externships**

- Teachers participate in workforce shadowing and work to be able to take knowledge back to their students and broaden their network.

- **Clinical Rotations**

- Health Science students shadow multiple departments in hospitals and clinics.

- **Coursework - Practicum & Career Preparation**

- Students participate in school-day paid and unpaid internships within their chosen field.

Dual Credit

- **Career Academy**

- Automotive Technology, Level 1 Certificate

- **PTECH**

- Pharmacology, Level 1 Certificate
- Advanced Manufacturing, Level 1 Certificate

- **ECHS**

- General Studies, Associate Degree
- Science, Associate Degree
- Education, Associate Degree
- Social Work, Associate Degree
- Pre Health Science, Associate Degree

- **Dual Credit - ACC**

- Students at BHS and CCHS may participate in Dual Credit courses within the school day or outside of school hours. Campus based courses are offered in English and History.

- **OnRamps**

- Students at BHS, CCHS, and CRCA may participate in Dual Credit courses within the school day through the University of Texas in Science and Math.



THANK YOU!

Are there any questions?