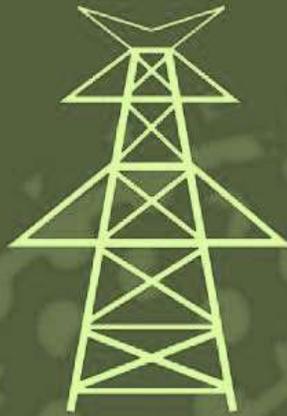




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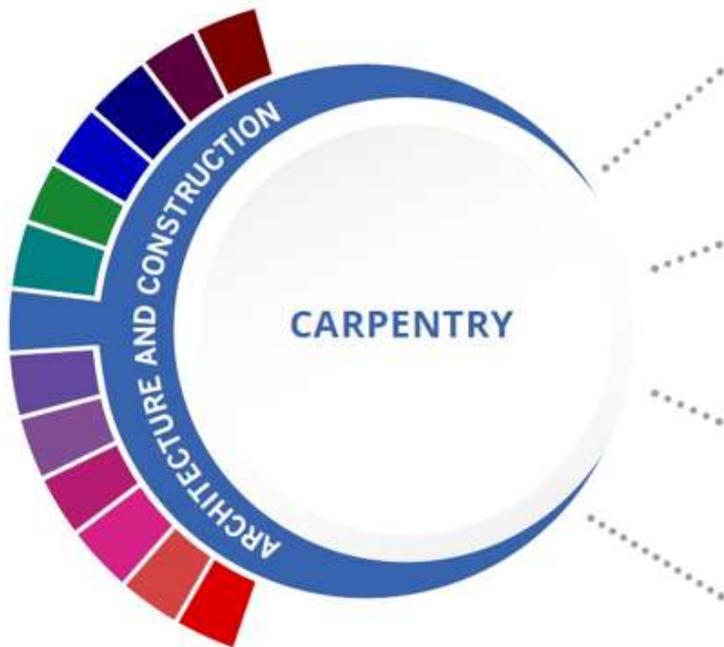
Business & Industry

ENDORSEMENT

ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER



The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. **JISD offers the following program of study: Carpentry.**



Level 1	T710 Principles of Construction (1/SEM)
Level 2	T705 Construction Technology I (2/YL)
Level 3	T706 Construction Technology II (2/YL)
Level 4	T724 Practicum in Construction Technology (2/YL) <i>or</i> T430 Career Preparation I (2/YL)
Certifications: NCCER Core Curriculum, Carpentry Level 1 & 2	

Carpentry Program of Study (WHS)

T710 PRINCIPLES OF CONSTRUCTION 13004220	Semester (18 Weeks) Grade 9 Credit 1 Weight 1.0	Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.
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T705 CONSTRUCTION TECHNOLOGY I 13005100	Yearlong (36 Weeks) Grade 9-10 Credit 2 Weight 1.0	In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended per class.
T706 CONSTRUCTION TECHNOLOGY II 13005200	Yearlong (36 Weeks) Grade 10-12 Credit 2 Weight 1.0	In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Prerequisite: Construction Technology I
T724 PRACTICUM IN CONSTRUCTION TECHNOLOGY 13005250	Yearlong (36 Weeks) Grade 11-12 Credit 2 Weight 1.0	In Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. Prerequisite: Construction Technology II.



Work-Based Learning



Work-Based Learning is designed to provide students part-time work experience and classroom instruction that will prepare them with attitudes and skills necessary to be successful in today's work force. **Students may earn two (2) credits for attending the Career Preparation class each day and working a minimum of 10 hours weekly.** The course should **span the entire school year**, and classroom instruction must average one class period each day for every school week. A student is expected to be enrolled the entire school year; however, in accordance with local district policy, a student may enter or exit the course at semester when extenuating circumstances require such a change.

OPEN TO ALL 11TH AND 12 GRADERS WHO MEET THE FOLLOWING REQUIREMENTS:

1. Career Preparation Request Form submitted to the counselor– ask you counselor or visit JISD/CTE website
2. Able to work a minimum of 10 hours per week for each semester
3. Good attendance record and no mandatory/discretionary discipline placements
4. Able to provide own transportation from school to worksite.
5. Student must be a minimum age of 16 and hold valid work documentation such as a Social Security Card

T430 Career Preparation I 12701300	Yearlong (36 Weeks) Grade 11-12 Credit 2 Weight 1.0	Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career Preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.
T431 Career Preparation II 12701400	Yearlong (36 Weeks) Grade 11-12 Credit 2 Weight 1.0	Career Preparation (CPI) is a work-based instructional arrangement that develops essential knowledge through classroom technical instruction and on-the-job training in an approved career and technical training area. Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. <i>Prerequisite: Career Preparation I</i>



Career and Technical Student Organizations

Career and Technical Student Organizations (CTSOs) play an integral part in a student's career and technical Education. CTSOs enrich student learning that starts in the classroom, build strong partnerships between industries and future employees, and provide future career experience that students carry into their careers and communities. <https://txcte.org/teachers>. **Student CTSO membership requires student enrollment in the respective pathway.**

	<p><u>Business Professionals of America (BPA)</u> Members compete in demonstrations of their business technology skills, develop their professional and leadership skills, network with one another and professionals across the nation, and get involved in the betterment of their community through good works projects.</p>
	<p><u>DECA</u>, A national association of marketing education students, provides teachers and members with educational and leadership development activities to merge with the education classroom instructional program. DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.</p>
	<p><u>Family Career and Community Leaders of America (FCCLA)</u> Involvement in FCCLA offers members the opportunity to expand their leadership potential and develop skills for life — planning, goal setting, problem solving, decision-making and interpersonal communication — necessary in the home and workplace</p>
	<p><u>Health Occupations Students of America (HOSA)</u> HOSA is a national vocational student organization endorsed by the U.S. Department of Education and the Health Occupations Education Division of the American Vocational Association. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HOE-HOSA Partnership</p>
	<p><u>National Future Farmers of America (FFA)</u> The National Future Farmer of American organization is not just for students who want to be production famers, FFA also welcomes members who aspire to careers in other fields. The Nation FFA organization remains committed to the individual student, providing a path to achievement in premier leadership, personal growth and career success through agricultural education.</p>
	<p><u>SkillsUSA</u> SkillsUSA is a national organization serving high school and college students and professional members who are enrolled in technical, skilled and service occupations, including health occupations.</p>
	<p><u>TAFE</u> The Texas Association of Future Educators is a statewide student organization created to allow young men and women an opportunity to explore the teaching profession. The organization provides students the necessary knowledge to make informed decisions about pursuing careers in education.</p>
	<p><u>Texas Public Service Association (TPSA)</u> Texas Public Service Association was developed to help high school Law Public Safety, Corrections, Security students experience interaction with other students and working professionals in an effort to pinpoint their future career expectations through competition and education.</p>

Glossary



Career Clusters

This is a grouping of course sequences (programs of study) that prepare students for careers in the same field of study or that require similar skills.

Course Credit

A unit of measure awarded for Successful completion of a course. Completion of a one semester course typically earns one-half credit for a student.

Coherent Sequence

A series of courses in which vocational and academic education are integrated, and which directly relates to, and leads to, both academic and occupational competencies.

CTE Courses

These courses prepare students for careers. These were once called vocational courses. The CTE stands for Career and Technical Education.

Distinguished Level of Achievement

A high level of academic achievement earned by going above and beyond the Foundation + Endorsement high school program. A student must earn this designation to be eligible for the top 10 percent automatic admission to a Texas public university.

Endorsements

The areas of specialized study that are required to earn high school diplomas with endorsements. They are: STEM (Science, Technology, Engineering, & Math), Business & Industry, Arts & Humanities, Public Service, and Multidisciplinary Studies.

EOC

STAAR end-of-course (EOC) exams are state mandated tests given during the final weeks of a course. In addition to meeting graduation course requirements, students are required to pass five end-of-course exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I, and U.S. History courses.

Foundation High School Program

The basic 22-credits (not counting additional electives or endorsement courses) needed to graduate from the Texas public school system.

FAFSA

This is the federal student financial aid application. It stands for Free Application for Federal Student Aid.

Industry Workforce Credential

A state, nationally, or internationally-recognized credential that aligns with the knowledge and skills standards identified by an association or government entity representing a particular profession or occupation and valued by business or industry.

Programs of Study

Programs of Study provides students with course sequences that prepare them for success in in-demand, high wage, high skill careers.

Performance Acknowledgements

Students may earn an additional acknowledgement on their diploma because of outstanding performance in areas such as dual credit courses and bilingualism and bi-literacy; on Advanced Placement (AP) exams, International Baccalaureate, PSAT, ACT's Plan, the SAT or ACT exams, or by earning a nationally or internationally-recognized business or industry certification.

STAAR

State of Texas Assessments of Academic Readiness (STAAR) is the state-mandated test given annually to students in grades 3 – 8 and in five high school courses.