



Principles of Construction	CHS9
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Construction Management I	CHS
*Construction Management II	DCCCD
*Practicum in Construction Management	DCCCD

***Advanced Courses**

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
NCCER Construction Technology	Code Enforcement Officer, Texas Department of Health Code Enforcement	Construction Engineering Technology/Technician		Materials Engineering
NCCER Core Curriculum	Certified Cost Estimator/Analyst	Business Administration and Management, General		
OSHA 30 Hour Construction	Certified Professional Estimator	Mechanical Engineering		
NCCER Construction Site Safety Technician	Structural Masonry Special Inspector	Business/Commerce, General	Manufacturing Engineering	

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	%GROWTH
Construction and Building Inspectors	\$53,914	983	17%
Cost Estimators	\$53,939	2,239	21%
Construction Manager	\$87,402	2,201	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities: Technology Student Association (TSA); National Technical Honors Society (NTHS)	Work Based Learning Activities: Obtain Industry based certification.

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

The Building Codes and Inspection program of study explores the occupations and educational opportunities associated with cost estimates for construction projects or services to aid management in bidding on or determining the price of products or services. This program of study may also include exploration into inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.

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.



Successful completion of the Building Codes and Inspection program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - July 2021



COURSE INFORMATION

Principles of Construction

7710Y (7710 A and B)

Grades: 9-12

Level: 2

Credit: 1 (+.5 Professional Communications Credit)

Prerequisite: None

Certification Possibility & Required Fees (no fees at CHS9): OSHA Construction 30 hour (\$25)

CTSO Membership opportunity: TSA- Technology Student Association- \$25 Dues

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. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Construction Management I

7711 A/B/Y

Grades: 10-12

Level: 2

Credit: 2

Prerequisite: Principles of Construction

Recommended Prerequisite: Algebra I, Geometry

Certification Possibility & Required Fees: NCCER Certification

CTSO Membership opportunity: TSA- Technology Student Association- \$25 Dues

In Construction Management I, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management I include the knowledge of design techniques and tools related to the management of architectural and engineering projects.

Construction Management II

7712D A/B/Y (7712DA, 7712DB, 7712DY)

Grades: 11-12

Level: 3

Credit: 2 (6 hours Dual Credit)

Prerequisite: Principles of Construction & Construction Management I

Student must register for dual credit at Dallas College and allow for at least 2 periods for the class and transportation to and from Dallas College.

CTSO Membership opportunity: TSA- Technology Student Association- \$25 Dues

In Construction Management II, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management II includes knowledge of the design, techniques, and tools related to the management of architectural and engineering projects.

Dallas College Dual Credit: Fall Semester- CNBT 2342 -Construction Management

AND

Dallas College Dual Credit: Spring Semester-CNBT 1311- Construction Materials & Methods

Practicum in Construction Management

7713D A/B/Y (7713DA, 7713DB, 7713DY)

Grades: 12

Level: 3

Credit: 2 (6 hours Dual Credit)

Prerequisite: Construction Management I

Student must register for dual credit at Dallas College and allow for at least 2 periods for the class and transportation to and from Dallas College.

CTSO Membership opportunity: TSA- Technology Student Association- \$25 Dues

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Dallas College Dual Credit: Fall Semester- CNBT 1302- Mechanical, Plumbing, & Electrical

AND

Dallas College Dual Credit: Spring Semester- CNBT 2310- Commercial / Industrial Blueprint Reading

Coppell ISD offers career and technical education programs in Business, Marketing, Arts, AV Tech & Communications, Engineering, Computer Science and Health Science. Admission to these programs is based on grade level and prerequisites met.

It is the policy of Coppell ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Coppell 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.

Coppell ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, at 200 S. Denton Tap Rd.; Coppell, Texas 75019, 214-496-6000, and/or the Section 504 Coordinator, at 268 Southwestern Blvd; Coppell, Texas 75019, 214-496-6938.

El Distrito Escolar Independiente (Independent School District, ISD) de Coppell ofrece programas de educación técnica o profesional en las áreas de comercio, mercadeo, artes, tecnología y comunicación audiovisual, ingeniería, informática y ciencias de la salud. La admisión a estos programas se basa en el nivel de estudios y el cumplimiento de los requisitos.

Es política del ISD de Coppell no discriminar en sus programas vocacionales, servicios o actividades en función de la raza, color, origen nacional, sexo o discapacidad, tal como lo exigen el Título VI de la Ley de Derechos Civiles de 1964, enmendada, el Título IX de las Enmiendas Educativas de 1972 y la Sección 504 de la Ley de Rehabilitación de 1973, enmendada.

Es política del ISD de Copell no discriminar en sus prácticas laborales en función de la raza, color, origen nacional, sexo, edad o discapacidad, tal como lo exigen el Título VI de la Ley de Derechos Civiles de 1964, enmendada, el Título IX de las Enmiendas Educativas de 1972, la Ley de Discriminación por Edad de 1975, enmendada, y la Sección 504 de la Ley de Rehabilitación de 1973, enmendada.

El ISD de Coppell tomará medidas para garantizar que la falta de conocimientos del idioma inglés no sea un impedimento en la admisión y la participación en todos los programas educativos y vocacionales

Para obtener información sobre sus derechos o procedimientos de quejas, contacte al Coordinador del Título IX, ubicado en 200 S. Denton Tap Rd.; Coppell, Texas 75019, a través del teléfono 214-496-6000; o a la Coordinadora de la Sección 504, ubicada en 268 Southwestern Blvd; Coppell, Texas 75019, a través del teléfono 214-496-6938.