

Construction Management

Business and Industry Endorsement

Career Pathways

- Design/Pre-Construction
- Construction
- Maintenance/Operations

Certification / Certificate Options

- OSHA General Certification
- Cyber Safety Awareness
- SkillsUSA Workforce Ready
- NCCER
- SP2 - Certification Training



Architecture & Construction



Program of Study Course Sequence	9th. Grade	10th. Grade	11th. Grade	12th. Grade
Construction Management	Principles of Construction (1 Credit)	Construction Management I (2 Credits) <i>Prerequisite:</i> <i>Principles of Construction</i>	Construction Management II (2 Credits) <i>Prerequisite:</i> <i>Construction Management I</i>	Practicum in Construction Management (2 Credits) <i>Prerequisite:</i> <i>3 credits in the Construction Management Program including Construction Management II</i>

Program Highlights

- Proper use of tools
- Estimation
- Safety training
- Building projects
- Building structures

CTSO(s)

- SkillsUSA

Program Fees / Requirements

- SkillsUSA Membership \$26 (Optional)

Additional Information

- Compete in Construction contests

Program Location

- Course available at KCAL (Only)

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Construction provides an overview to the various fields of construction science and construction technology.

You are likely inside a room in a building, maybe your school. You are in a structure that started with an idea in an architect's head. He or she imagined how tall it would be, how many rooms it would hold, and where the walls and doorways would stand. The architect drew up plans to guide teams of people in constructing the building: plumbers, electricians, masons, roofers, framers, and so on. Once the building is finished, another team of people manage and maintain it; keeping equipment up and running, the spaces clean and organized, and the windows glistening. These are the people who work in the Architecture & Construction cluster. If you like to design and build, tinker with tools and technology, or decorate homes and offices with flooring, paint, furniture and art, then Architecture & Construction could be the right career cluster for you.

Principles of Construction (TEDS: 13004220 / KISD: 81220)

Principles of Construction provides an overview to the various fields of construction science and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging.

Construction Management I (TEDS: 13004900 / KISD: 81221)

In Construction Management I, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Class is taught at the Keller Center for Advanced Learning.

Construction Management II (TEDS: 13005000 / KISD: 81222)

In Construction Management II, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design, techniques, and tools related to the management of architectural and engineering projects. Class is taught at the Keller Center for Advanced Learning.

Practicum In Construction Management (TEDS: 13006200 / KISD: 81224)

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. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. Class is taught at the Keller Center for Advanced Learning.

Career	High School	On the Job Training	Certificate	Associates Degree	Bachelor's Degree	Advance College Degree	Average Annual Salary	Possible Majors for this Pathway
Construction Manager					x		\$89,300	<ul style="list-style-type: none"> • Construction Engineering • Construction Management • Industrial Technology • Civil Engineering
Construction Laborer	x	x					\$32,230	
Electrician	x	x					\$52,720	
Plumber	x	x					\$51,540	
Construction/Building Inspector					x		\$58,480	
Commercial Superintendent					x		\$75,592	
Electrician		x	x				\$51,365	
Bricklayer		x	x	x			\$48,212	
Builder					x		\$58,290	