

7209 Principles of Architecture

Credit: 1

Prerequisites: None

Are you interested in restoring or designing something to be new or improved? Discover the tasks that are performed within Architecture careers, as well as identify the license and certifications that can be obtained. Learn how to calculate the cost of supplies needed for a project; how to read technical manuals and drawings; and create a floor plan that complies with governmental safety regulations and codes which are used within these careers.

7219 Principles of Construction

Credit: 1

Prerequisite: None

Are you interested in restoring or designing something to be new or improved? Discover the tasks that are performed within Construction careers, as well as identify the license and certifications that can be obtained. Learn how to calculate the cost of supplies needed for a project; how to read technical manuals and drawings; and create a floor plan that complies with governmental Safety regulations and codes which are used within these careers.

7220C Construction Technology I

Credit: 2

Prerequisite: Principles of Construction or Principles of Architecture. Student must complete an interest form for enrollment and attend a meeting with instructor. Do you like to use your hands? This is a year-long construction carpentry course which includes knowledge of and the ability to apply the construction process of house foundation, framing, roofing, and exterior and interior finishing. Begin with raw materials and produce a finished project, using a variety of hand and power tools. Instructor will provide industry standard training. Course taught at THS only, but available to students at all LCISD high schools. Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change.

7230C Construction Technology II

Credit: 2

Prerequisite: Construction Technology I; Student must complete an interest form for enrollment and attend a meeting with instructor.

This year-long course is a continuation of Construction Technology I. Efforts will be directed toward the residential construction process of foundation, framing, roofing, exterior and interior finishing. Students will develop advanced knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance technicians, supervisors or prepare for a postsecondary degree in Construction Management, Architecture or Engineering. Instructor will provide industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change.

7240W Practicum in Construction Technology

Credit: 2

Prerequisite: Construction Technology II Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student.

Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade.

In Practicum of Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. 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. Instructor will provide an industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited.

7240EW Practicum in Construction Technology-Extended

Credit: 3

Prerequisite: Construction Technology II; Student must complete an interest form for enrollment and attend a meeting with instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade.

This course completes the coherent sequence in the field of Construction Technology. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. This occupationally specific course is 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. Instructor will provide an industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited.