

CONSTRUCTION MANAGEMENT *Full Year*

Skilled and Technical Sciences



Instructor: TBA

801-826-6668

PROGRAM DESCRIPTION: Students will participate in managing all phases of constructing a home: blueprint reading, math skills, layout work, safety procedures, footing and foundation, concrete flatwork, framing, plumbing, electrical, HVAC, finish carpentry, sheetrock, tape and mud, roof coverings, installing windows, installing exterior doors, tile floors, hardwood floors, painting, carpet, hardware. All skills will require proper use of tools involved to complete each process. Students will have the opportunity to be involved with SkillsUSA student organization which will help students excel by competing against other students. Students may also receive concurrent enrollment credit at SLCC.



High School Credit: CTE credit or elective credit: Up to 4 credits

Concurrent Credit: Up to 10 college credits. Student is responsible to register and pay for concurrent enrollment classes at SLCC.

Additional Opportunities: Students may experience youth leadership and service through SkillsUSA.

Skills Certification: Utah State Skills Certificate Test

Requirements: Physical ability to be able to lift at least 50 lbs. Ability to understand and follow safety procedures. Be able to use power and pneumatic tools safely.

Recommended: Woodworking

COURSE DESCRIPTIONS: For Concurrent Enrollment Classes see Appendix.

CMGT 1410 Construction Materials and Methods/Carpentry 1: Learn how to manage construction sites, materials, sub-contractors and develop soft skills.

Construction Trades: A course that generally prepares individuals in the following areas: basic safety, introduction to blueprint reading, introduction to power tools, introduction to hand tools, and introduction to construction math. It also includes an industry overview, what to expect on the job and specific career opportunities.

CMGT 1330 Interiors Finishes: This course covers materials and selection that support the responsible use of natural resources. Subjects include hanging doors, installing base casing, stair treads, skirts and closet organizers. Installation of hardwood floors, handrails and stair caps will be taught. Students will also be introduced to the basics of installing tile floors and shower walls. Students will be taught how to install doorknobs and residential hardware.

CMGT 1320 Building Construction 1/Carpentry 1: Students will learn the concepts of footings, foundations and flat work. Green build and traditional techniques will be taught. Students will lay out and construct floors, exterior and interior walls, and be introduced to metal stud framing, and will hang exterior doors and windows. Students will learn how to install, tape and mud drywall. Sophisticated methods used to maintain a tight building envelope will be used. Stair and roof construction will be introduced.

Carpentry 2: An advanced carpentry program with a sequence of courses that prepares individuals to layout, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. Includes advanced instruction in common systems of framing, construction materials, estimating, blueprint reading, concrete placing, siding, and mechanical systems. These courses are based on the current National Center for Construction Education and Research (NCCER) task list.

Costs/Fees for the 2020-2021 school year: Pending school board approval.

Career Possibilities:

Construction
Rough Carpenter
Finish Carpenter
Roofer
Drywall Installer and Finisher

General Contractor
Remodeling Contractor
Siding Installer
Cement Finisher
Construction Management



"My experience in the Construction Management class and the concurrent enrollment credits that I received has given me a jump start in my education at the college level now. I am now enrolled at SLCC taking business classes to start my own business in the future". Adam Clausen

"I am glad I took the Construction Management class because it gave me the skills and desire to become an electrician. I am going to enroll at SLCC and start my apprenticeship". Ryan Brown