



BROOMFIELD CONSTRUCTION

Imagine a career where you can turn blueprints into reality! Our Accelerate construction pathway provides you with practical skills and knowledge in various construction trades. You'll learn from industry experts and gain valuable skills that make you job-ready. Start building your future today in a field that offers endless opportunities!

COURSE PROGRESSION (Y=YEARLONG, S=SEMESTER)

CAN BE TAKEN AT ANY TIME

Construction A
(Y)
Applied Engineering A
(Y)
Architecture Drafting (Y)

YEAR 2

Applied Engineering B
(Y)

COURSE INFORMATION

CONSTRUCT TECH A

This is the foundation course to basic residential construction. Students will demonstrate competencies that are nationally recognized by the construction industry. Students will learn and practice structural framing of floors, walls, ceilings, and roofs. This course also includes the use of basic construction tools and machinery, applied math, and an introduction to blueprint reading. This course teaches students industry safety including the use of all machines and tools.

APPLIED ENGINEERING DESIGN A

Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution.

APPLIED ENGINEERING DESIGN B

Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution.

ARCHITECTURE DRAFTING

Drafting—Architectural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students may prepare scale models.



ACCELERATE

BOULDER VALLEY SCHOOL DISTRICT