Building Construction & Remodeling (BLDG)

Program Description
The Building Construction and Remodeling (BLDG) three-quarter program certificate is designed to provide students with basic entry-level skills to enter the workforce, to enter an apprenticeship program, or to continue their education toward a specific certificate or degree in the building construction and remodeling trades. Basic construction math, blueprint reading, hand tools, power tools, stationary woodworking machines, and the safe use of all tools and machinery will be taught. Students should be prepared for entry-level construction positions such as general laborers, and helpers in roofing, electrical, concrete finishing, and plumbing. The courses are taught in a team environment with an emphasis on safety throughout the program.

Entry into the Program
Please apply to the Admissions Office. Students with prior experience or training in building construction may apply for advanced standing. For further information, contact the Admissions Office.

Tech Prep
Skagit Valley College will grant credits toward a Professional/Technical certificate based on competencies gained in high school. The competencies must be agreed upon by the appropriate teachers from the high school and the college. Credit will be transcripted after verification of successful completion of the agreed upon competencies. If you are interested in taking steps to begin work in the professional/technical workplace of the future, please contact your high school counselor.

Work-Based Learning
Students will integrate classroom learning with work-based learning experience in Cooperative Education (BLDG 199) at a supervised work site. Department Chair approval is required. Credits and grades are based on job-hours worked, work performance and completion of the learning objectives specified in the learning contract. Concurrent enrollment in a Cooperative Education Seminar or equivalent is required.

Program Certificate
Satisfactory completion of BLDG 101, 102, 103, 199, PE 200, and SOSC 113.

Course Descriptions

BLDG 101 Introduction to Building Construction (11)
Practical hands-on experience in core construction skills. Includes basic building vocabulary and nomenclature in the safe operation of hand and power tools. Covers construction math applications and exposure to construction trade clusters such as labor, carpentry, electrical and plumbing.

BLDG 102 Intermediate Building Construction (11)
Apply blueprint reading, construction math, estimating, and laying out a building using a transit and batter boards. Calculate earth fill and removal, build forms for cement-tie rebar, and calculate cubic yards of cement and cost. Includes framing, basic electrical and plumbing, door/window composition, roofing, stair layout and installation in building a small structure. Prerequisite: BLDG 101 or instructor permission.

BLDG 103 Remodeling (11)
Introduction to facets of remodeling including plumbing, electrical, painting, tile setting, door hanging, door repair, trim repair, chemicals & finishes, kitchen/bath faucet repair & replacement, water closet replacement & repair, floor tile repair, gutter/down spout replacement & repair and other construction skills in a project-oriented environment. Safety emphasized. Prerequisite: BLDG 101 and 102 or instructor permission.

BLDG 199 Cooperative Education Experience (3)
Supervised work experience in the field. Includes a weekly seminar. Instructor permission required.