

Employment Opportunities

Graduates of the construction technology program may expect to find employment with contractors, suppliers, construction management companies, and other businesses involved with building construction.

Opportunities exist for positions as:

- Framers
- Estimators
- Building maintenance personnel
- Finish carpenters
- Foundation workers
- Sheet rock installers

Average wages range from \$8 to \$10 per hour for starting workers to more than \$20 per hour for top-level experienced employees. Job availability is influenced by market changes such as community growth, interest rates, lumber prices, and the costs of developing new residential properties.



College Abilities

Clark College has identified six college-wide abilities that help students apply what they learn. The core abilities are taught across the curriculum and students continually practice and improve their skills in the six areas.

Communication

The ability to understand and deliver written, spoken and visual communication clearly and accurately.

Critical Thinking/Problem Solving

The ability to formulate, evaluate and synthesize facts, data, ideas, assumptions, values and points of view.

Effective Citizenship

The ability to identify community issues; evaluate and respect various opinions and values; and articulate one's own perspective.

Global/Multicultural Perspectives

The ability to identify, analyze and demonstrate how culture shapes world perceptions, values and behaviors.

Lifelong Learning

The ability to set and revise goals, access resources and assume responsibility for one's own learning.

Information/Technology

The ability to identify resources; retrieve and manage data; interpret, evaluate and use information; and adapt to changing technologies.

Clark College does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, sexual orientation, gender identity, gender expression, creed, disabled veteran status, marital status or Vietnam-era veteran status in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies:

Director for Equity and Diversity
Baird Administration Building
(360) 992-2355
(360) 992-2835 (TTY)

Technology Programs

Construction Technology



- Certificate of Proficiency
- Associate in Applied Science Degree
- Associate in Applied Technology Degree
- Two-year programs



Construction Technology

The Construction Technology program provides entry-level training for those who are interested in the construction industry. Instruction is a blend of theory and lab which includes both technical and professionalism skills necessary to apply for entry level positions in the industry.

During the first year, the students will study units in safety, applied mathematics, tool usage, codes, cost estimation, and the development of building plans. In addition, the students will apply these skills during a variety of hands-on projects. The projects are a toolbox, scale model house, and several utility sheds. For the final project, the students will build a large structure in the community such as a garage or shop.

If selected, during the second year, the students will continue to develop leadership and professionalism skills as they build a residential home in the community. Additional skills such as advanced applied mathematics, cost estimation, employment relationships, and sound work habits are emphasized.

Upon completion of this program, students will have entry level skills necessary to start and maintain a career in the construction industry. The program has articulation agreements with several of the local apprenticeship programs for advanced placement dependent on final grades and instructor recommendation. Graduates may find employment with contractors, suppliers, retail outlets, or building maintenance companies. Possible employment opportunities include framing, foundations, electrical, plumbing, sheet-rock, HVAC, roofing, weatherization, decks and fences, or become your own boss and apply for a contractor's license.

Students must complete all major area courses with a minimum grade of "C" or better in order to successfully complete the program and earn the award.

All CNST courses are taught at the Clark County Skills Center (12200 NE 28th Street, Vancouver, WA) and follow Skills Center's calendar for class days, hours, and breaks (except CNST 106 & 108). There is a lab fee and students are required to purchase a tool set and have valid health insurance. For more information, please contact Bill Draper (360) 606-2973.

Construction Technology

Certificate of Proficiency

Major Area Requirements

Fall Quarter

CNST 111	Construction Technology I	6 credits
CNST 112	Construction Technology I Lab	6 credits
MATH 085	Industrial Mathematics	5 credits

Second Quarter (Winter)

CNST 121	Construction Technology II	6 credits
CNST 122	Construction Technology II Lab	6 credits

Third Quarter (Spring)

CNST 131	Construction Technology III	6 credits
CNST 132	Construction Technology III Lab	6 credits

Fourth Quarter (Fall)

CNST 106	Blueprint Reading	3 credits
CNST 211	Construction Technology IV	6 credits
CNST 212	Construction Technology IV Lab	6 credits

Fifth Quarter (Winter)

CNST 108	Job Estimating and Scheduling	3 credits
CNST 221	Construction Technology V	6 credits
CNST 222	Construction Technology V Lab	6 credits

Sixth Quarter (Spring)

CNST 231	Construction Technology VI	6 credits
CNST 232	Construction Technology VI Lab	6 credits

Total Credits Required 89 credits

(including General Education Requirements)

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.



Construction Technology

Associate in Applied Science Degree

General Education Requirements

In addition to completing all courses for the Certificate of Proficiency, students must also complete the following general education requirements.

Communication Skills	6 credits
Health & Physical Education	3 credits
Human Relations	3 credits
Humanities	3 credits
Sciences	3 credits
Social Sciences	3 credits

Total Credits Required 104 credits

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.

Construction Technology

Associate in Applied Technology Degree

Related Instructional Requirements 15 credits

(minimum of three credits from each area)

In addition to completing all courses for the Certificate of Proficiency, students must also complete the following general education requirements.

Communication Skills	3-5 credits
Computational Skills	3-5 credits
Human Relations	3-5 credits

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.