

Masonry: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Masonry	kpu.ca/trades/masonry
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Intake Type	Limited intake
Instructional Cycle	Fixed-term
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 21 week program prepares students for employment as a Mason (Bricklayer) apprentice. A masons' work can be laying a simple wall or installing an ornate exterior on a high-rise building. Students will learn to read blueprints, building codes, industry safety requirements and guidelines for handling hazardous materials. Practical skills are enhanced as students perform outdoor projects utilizing power and hand tools, material moving, constructing simple and ornate walls utilizing a variety of materials such as brick, concrete, glass block, terra cotta and stone.

At the end of the Foundation program students will write the Masonry Level 1 exam. Students who complete the Foundation program and exam are eligible for credit in Masonry Level 1 apprenticeship program and 400 work-based training hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA).

STUDENT PROFILE

This program is suited for individuals that like to build, create and assemble structures from drawings and specifications. Masonry work is physical and performed outdoors; there is a considerable amount of standing, bending, and lifting. Additional information is available at: kpu.ca/trades/masonry.

CAREER OPPORTUNITIES

This program prepares graduates for employment in construction companies and bricklaying contractors. Progression to supervisory positions is possible with additional training and experience.

ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or

- Completion of KPU's Trades reading test with a minimum score of 75%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 31%

Notes:

- Group information sessions are regularly scheduled at the Cloverdale campus, and participation is highly recommended. Please see kpu.ca/trades for schedule information.
- Completion of high school shop courses is an asset.
- International student Application for Admission requires approval of the Dean.

Satisfactory physical health is also recommended. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

CURRICULAR REQUIREMENTS

- Bricklaying
- Scaffolding
- Bonds and bond patterns; wall structures, terminology, corner layout and construction
- Interpretation of blueprints and working drawings of the construction industry
- Estimation procedures
- Interpretation of specifications
- Walls; solid, hollow, cavity, veneered, composite, reinforced and retaining
- Columns, piers and pilasters in brick and block

Required Courses:

MSRY 1001	History and Communication	1.5 credits
MSRY 1005	First Aid and Safety in the Masonry Trade	2.5 credits
MSRY 1010	Materials in the Masonry Trade	3 credits
MSRY 1015	Mortar, Grout and Layout and Construction in Brick Masonry	2 credits
MSRY 1020	Hand Tools	3 credits
MSRY 1025	Power Tools and Related Equipment	3 credits
MSRY 1030	Basic Blueprint Reading, Estimating and Layout	1 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear (including shoes with steel toe construction, steel shanks, and ankle support) in conformance with Workers' Compensation Board regulations.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Masonry**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.