

Bricklayer

This program is designed to provide the basic skills in laying block, brick and tile as well as fundamental skills in decorative masonry. Some of the duties include: interpret drawings and blueprints, and calculate, materials required, measure from an established starting point and construct corner first, using a plumb line and mason's level to ensure each layer will be level from corner to corner, spread mortar over the base or previous layer, spread more mortar on one end of each brick to be laid, and lay the bricks into position, remove the excess mortar after the brick or other masonry material is in position, use a hammer and chisel or a masonry saw to cut bricks to fit as required. The work environment is often outdoors on scaffolding and physically demanding. You will probably work a five day 40 hour week however overtime may be required to meet construction schedules. You should have the physical strength and stamina required to work with heavy tools and material, manual dexterity and a good sense of balance, the ability to get along with others and an eye for color, line and proportion.

OUTCOMES

1. Demonstrate safe work practices and personal protection.
2. Use tools and equipment.
3. Perform routine work practices.
4. Use scaffolding.
5. Use mortars, grouts and other bonding agents.
6. Build non-loadbearing and loadbearing walls and columns.

ENTRANCE REQUIREMENTS

Eligibility for admission requires the applicant to meet one of the following academic criteria:

1. High School

High School Graduation

2. Comprehensive Arts and Science (CAS) Transition

Comprehensive Arts and Science (Transition) Certificate

3. Adult Basic Education

Adult Basic Education (Level III) Graduation with General College Profile (or Business Related College Profile or Degree and Technical Profile). It is strongly recommended that courses include the following:

- i. Mathematics MA3107A, MA3107B, MA3107C
- ii. Science 3101, 3102, 3103

4. Mature Student Status

Applicants who do not meet the educational prerequisites, are 19 years of age or older and have been out of school for at least one year, may be considered on an individual basis under the Mature Student Clause.

EMPLOYMENT OPPORTUNITIES

You may find employment with masonry contractors as bricklayer apprentices in residential, commercial or industrial construction. Future career opportunities may lead to supervisor or inspector positions.

CERTIFICATE

- Red Seal Certification
- One year
- September start
- Carbonear Campus

COURSES

CODE	TITLE	Hrs
Block 1	Entry Level	
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
TS1101	Shop Fundamentals	60
BR1101	Laying Brick to the Line	160
BR1110	Laying Block to the Line	90
BR1121	Mortar	65
BR1201	Veneer Walls	45
BR2301	Chimneys	70
DR1112	Drawing and Sketching	30
TS1300	Rigging	45
BR1210	Load and Non-Load Bearing Walls	160
AP1100	Introduction to Apprenticeship	15
MA1060	Mathematics	60
CM2150	Workplace Communications	45
MC1050	Introduction to Computers	30
MR1220	Customer Service	30
SD1700	Workplace Skills	30
SD1710	Job Search Techniques	15
SD1720	Entrepreneurial Awareness	15
SP2330	Quality Assurance /Quality Control	30
Block 2	Advanced Level	Hrs
BR1501	Stone Facings	80
BR1550	Restoration	60
BR2231	Glass Block	70
Block 3	Advanced Level	Hrs
BR2401	Conventional Fireplaces	150
BR2420	Rumford Fireplaces	60
DR1131	Introduction to CAD	30
Block 4	Advanced Level	Hrs
BR1401	Refractory Units	70
BR1600	Arches and Sculptured Masonry	80

